

IAIA

International Association
for Impact Assessment

30TH ANNUAL CONFERENCE

HOSTED BY

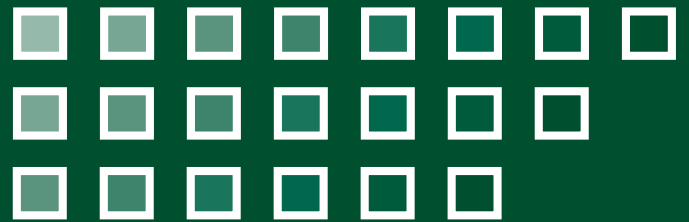
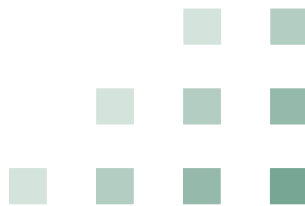


Final Program



The role of impact assessment in

Transitioning to the Green Economy



Geneva's Lakefront. Photo by AMeschlmann. Courtesy of Geneva Tourism.



6-11 April 2010 | Geneva, Switzerland
International Conference Centre Geneva



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IAIA10 At-A-Glance

Tuesday, 6 April

Training courses	All Day
Technical visits	All Day

Wednesday, 7 April

Training courses.....	All Day
Technical visits.....	All Day
Special meeting	All Day
Opening reception	Evening

Thursday, 8 April

Plenary, forums, sessions	All Day
Poster session	Afternoon
Social and networking event	Evening

Friday, 9 April

Plenary, forums, session, AGM.....	All Day
Social and networking event	Evening

Saturday, 10 April

Plenary, forums, sessions, Council meeting....	All Day
Special meeting	All Day
Social & networking events.....	Morning, Evening

Sunday, 11 April

Sessions, closing	Morning
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Conference Venue

International Conference Centre Geneva (CICG)
17 rue de Varembe CP 13 CH - 1211 Geneva 20
Phone +41 (0)22 791 91 11
Fax +41 (0)22 791 90 64
info@cicg.ch.
www.cicg.ch/en/index.php

Welcome Reception

IAIA10 will open with a reception; this event is traditionally a highlight of the conference, and the IAIA10 opening reception promises to be something very special! Come along to meet up with old friends, make some new ones, and get your conference off to a great start.

Pre-registration required.

Wednesday, 7 April

17:30-18:30 at CICG

Sponsored in part by

Republic and State of Geneva

Training courses

IAIA10 offers a wide range of exceptional pre-meeting training courses, with several one- or two-day options on 6-7 April. Note: Registration after 1 March is subject to availability, instructor consent, and receipt of payment. In consideration of the trainers and their need to prepare appropriate quantities of course materials, registrants may not change courses after 17 March.

Poster session and exhibits

Every conference features exhibitors and an increasingly sophisticated presentation of posters. IAIA10 will not disappoint. Browse the exhibits at your leisure throughout the conference, meet the poster presenters at the special poster session, and cast your vote for Best Poster (Public Choice).

Thursday, 8 April

12:30-13:30 at CICG

Indaba

IAIA provides space for impromptu discussions and "pop-up" topics in unanticipated/ unscheduled areas of interest, or to carry on a discussion begun during a session.

"Indaba," or open space, sessions, from a concept first introduced at IAIA95 in South Africa, will be held at the end of the day on Thursday, Friday, and Saturday, with the opportunity to "schedule" your topic throughout the day. The informality and spontaneity guarantee a lively end to each day's sessions.

To participate, write the topic you would like to discuss on the sign-up sheets in the registration area, or add your name to a discussion topic already posted. In the late afternoon, a program committee member will assign rooms to selected topics. Selection is based on popularity of the topic and available rooms.

Buffet of Ideas

IAIA10 offers a simple methodology for hosting conversation about issues of interest and concern called "Buffet of Ideas."

Buffet of Ideas is an informal, unchaired networking session which provides participants the opportunity to create their own workshops in small groups over lunch on Thursday, 8 April.

The idea is to build, link and cross-pollinate ideas and discover new insights into issues important in their work. It is also for participants to share ideas on topics of interest and connect with colleagues with similar interests. The process can evoke the collective intelligence of any group and increase people's capacity for effective action in pursuit of common aims. It also harnesses the power of conversation for work and social value. It provides a useful guide for persons seeking creative ways to foster dialogue in thinking together and creating actionable knowledge.

Participants introduced ideas by e-mailing a suggested two- to three-word title to Hussein Abaza prior to the conference. Topics to be discussed at lunch on Thursday: Industry-NGO Partnerships, Equator Principles Action Plans, and Avoiding EA Delays (North America).

Dine-Outs

The tradition of dine-outs is back for IAIA10! Share an evening sampling some of the culinary specialties for which Geneva is renowned at a "pay your own way" dinner. Organizing committee members have that all-important local knowledge about where the best food and the best dining experiences can be found in Geneva, and they are ready to take you to experience it!

To join, sign up on the forms posted in the registration area. Dine-outs are a great opportunity to meet new people and see some different parts of the city of Geneva.

Thursday and Friday, 7-8 April

19:30 onward

Committees and Sections

Much of the cutting-edge work of IAIA is the direct result of Committee and Section activity, and the only chance for members to meet throughout the year is at the annual conference.

Everyone is welcome to attend a Section meeting. Check the schedule on page 9 for meeting times and plan to attend the Section meeting of your choice. Section meetings are scheduled multiple times throughout the conference, so there is opportunity to attend more than one topic area.

Committee members are appointed annually. If you are interested in serving on an IAIA Committee, please contact info@iaia.org.

Annual General Meeting (AGM)

This is the annual business meeting of the Association. All conference participants are encouraged to attend. You will meet the IAIA Board of Directors and hear reports from IAIA Committee chairs and the treasurer. The prestigious IAIA Rose-Hulman Award is also presented at the AGM.

Friday, 9 April

12:30-13:30

Room 2

Special Activities and Events

Council meeting

The IAIA Council serves as an advisory resource to the IAIA Board of Directors. The Council is composed of the Board, all Committee chairs, representatives of Affiliates and Branches, the CEO and Headquarters representatives, Section coordinators, and the conference program chairs for the current-year conference and any future known conferences. However, Council meetings are open; all IAIA members are encouraged to attend.

Saturday, 10 April
12:30-13:30
Room 18

Affiliates Forum

A special session is dedicated to the activity of IAIA's Affiliates, Branches and Associated Organizations. Scheduled as a concurrent session, this session is open to all conference participants and replaces the traditional Affiliates Committee meeting.

Representatives from Ireland & UK Branch, IAIA-Italia, New Zealand Association for Impact Assessment (NZAIA), Ontario Association for Impact Assessment (OAIA), Association québécoise pour l'évaluation d'impacts (AQEI), South Africa (IAIAsa), IAIA-Spain, and Western and Northern Canada (IAIA-WNC) will make presentations.

Posters are also being displayed by Ireland-UK, Italy, New Zealand, Portugal, South Africa, Spain, and Western and Northern Canada. Stop by during the poster session to visit with representatives of the Affiliates and learn more about their organizations and activities.

Saturday, 10 April
16:30-18:00
Room 3

Welcome to IAIA

This session is for any delegate who wants to know more about the organization, its history, and how it works; anyone interested in participating in IAIA as a Committee or Section member; and any new or prospective Board members.

Thursday, 8 April
16:30-18:00
Room 14

Technical visits

See page 34 for the variety of IAIA10 technical visit options. Technical visits provide multiple opportunities to participate, network, and enhance your understanding of impact assessment issues in the region.

Registrations are accepted on a first-come, first-served basis until the visits reach the maximum number of participants. Registrations are confirmed in the order that payment is received.

Student Fee Waiver Program

IAIA is pleased to offer a student fee waiver program for IAIA10. This program, initiated at IAIA'04, allows up to ten students a waived conference registration fee in exchange for providing in-kind services on-site in Geneva. Selection of students took place in February.

Student Fee Waiver Program Orientation

Tuesday, 6 April
17:30-19:00
Room 15

Fun Run

This popular 5km Fun Run/Walk is back due to popular demand! A great way to start the day and network with fellow runners. The route near Lake Geneva will refresh your mind and body and offer a chance to meet people you might not otherwise meet during formal sessions. Everyone is welcome: runners, walkers, spectators, and volunteers. Pre-registration and a nominal fee is required from runners/walkers to cover prizes. To volunteer to assist with the run or for more information, please contact Etienne Cadestin (Etienne.CADESTIN@unep.org).

Saturday, 10 April
07:00-08:00
Pre-registration and nominal fee (\$5) are required. See the message board for meeting time and location.

Students and Early Professionals

All students are invited to attend the Students and Early Professionals Section meeting (see page 9 for the Section meeting schedule and location).

Mentor Program

The mentoring program initiated at IAIA'04 is offered again for IAIA10. The intent is to help students and early professionals (SEPs) and first-time conference attendees feel more comfortable and less overwhelmed with their first IAIA conference experience.

The mentor is an experienced IAIA member with the same interest area as the applicant. The mentor acts as a discussion partner on common topics of interest for the professional development. Mentees do not shadow mentors, but rather meet at the conference to begin conversation that extends beyond the conference.

Matching of mentors and mentees took place prior to the conference.

If you would like to be a mentor or mentee at a future conference, e-mail bridget@iaia.org or notify the IAIA10 registration desk.

Mentor/Mentee Orientation

Wednesday, 7 April
17:00-17:30
Room 15

2010 Agriculture/Biodiversity Happening: Pathways to Future Success

This session will be a lightly structured "Agriculture/Biodiversity Happening"—an opportunity to speak to each other in a social setting. Interested members are invited to attend, listen, pitch in, and network. There are many unanswered questions out there and our resources and determination can move to answer them. This area of IAIA needs to expedite its work and your input and ideas are politely solicited!

Friday, 9 April
18:00-18:50
Bar Leman (CICG Lobby)

Meet the Webmaster

IAIA's Web site is a rapidly-growing resource. IAIA's Web developer will be available at the following times to discuss specific topics, or ask for him at the registration desk if you have suggestions or questions you wish to discuss.

Room 11 | 16:00-16:30 onward
Content and navigation Thursday, 8 April
Social media Friday, 9 April
Section and Committee communication & collaboration .. Saturday, 10 April

Awards

IAIA's awards are presented throughout the conference. Who will win the coveted Global Environmental Award this year? And all of the other prestigious honors associated with the annual IAIA awards?

International Networking Night

Join colleagues old and new for a fun and lively informal networking night. On our last evening together, delegates are invited to wear an item of clothing or jewelry from their homeland and bring something to share (e.g., a game, a typical snack; or some inexpensive souvenirs such as pins, pencils, flags; music) while exchanging experiences and reflecting on IAIA10.

Saturday, 10 April
19:30-21:00
Pre-registration and nominal fee (\$30) are required.

Welcome to IAIA10



Michèle Künzler

The 30th annual conference of the International Association for Impact Assessment is an opportunity for the government of Geneva to confirm, once again, the special focus it places on promoting protection of the environment.

Indeed, Geneva has the honour to be the seat of the “Geneva Environment Network”, hosted by the United Nations Environment Programme UNEP. This network – that was created in 1994 with the support of the local authorities – now consists of more than 75 intergovernmental institutions, non-governmental organizations and academic institutes. As the traditional capital of peace and human rights, with approximately 232 diplomatic missions and delegations representing 162 States, Geneva has now also become a pole of environmental excellence as well.

In order to put this commitment into practice locally, nearly 15 years ago Geneva Canton created an environmental impact assessment department (SEIE). This department is particularly responsible for assessing and following up environmental aspects of our strategic planning projects on municipal, canton or regional scale in the fields of urban planning, transport and large facilities that potentially could be a source of pollution.

Geneva Canton was also the first Swiss Canton to introduce strategic environmental assessment (EES) in its legislation as early as 2002. This instrument enables us to integrate environmental considerations in our large urban planning projects today.

In conclusion, it is important to recall that the government’s priority should not be limited to preserving economic effectiveness; promoting ecological responsibility is also one of its duties. To do this, it might look for inspiration to the values based on solidarity of Geneva International. This is the way we will achieve the conditions needed to ensure lasting cohesion of our societies, and a bright future for generations to come.

I wish you a very pleasant stay in our region and, on behalf of the State Council of the Republic and Geneva Canton, a fruitful work, enhanced by the diversity of your respective skills and experiences.

Michèle Künzler
State Council of Geneva



Hussein Abaza

The United Nations Environment programme (UNEP), the IAIA Local Steering Committee, and the Programme Committee are happy and proud to welcome participants to IAIA10, “The Role of Impact Assessment in Transitioning to a Green Economy.”

UNEP launched the green economy initiative amid the collapse of the major financial houses on Wall Street in late 2008. The gist of the initiative is to encourage and enable governments to invest in green sectors as a way out of the crisis in the short term and to lay the foundation for a new economic structure of the 21st century. Although the concept of a green economy has received wide acceptance and recognition over the last year, particularly as a way out of financial and economic crisis, it is yet to be precisely defined. By focusing the theme of IAIA10 on the role of impact assessment in transitioning to a green economy, it is hoped that the discussions at the Conference will provide policy and decision makers, academia, and practitioners in government, civil society and business with an insight on the significance of going green, benefits derived from it to the environment, economy and human well being and what it takes to make this transition.

I wish you all fruitful discussions and a pleasant stay in Geneva.

Hussein Abaza
IAIA10 Programme Chair



C. Nicholas Taylor

A warm welcome to all delegates at IAIA10. Our meeting here in Geneva, hosted by UNEP, provides a unique occasion to share ideas about impact assessment. We are considering how to use the tools of impact assessment to address a complex range of global issues in a city well known for its international organisations and perspectives. Our challenge is to make full use of the opportunities provided by the organising committee for constructive debates about the role of impact assessment in achieving a greener future and, most importantly, lay out a plan for what has to be done. This challenge lies before all delegates, from industry, government, international agencies, academia and NGOs, gathering from many different countries.

Our conference is a time for formal discussions and also, most importantly, for informal discussions and networking. Longstanding members, let’s make an effort to welcome those attending for the first time. Longstanding and new members alike, please take full advantage of the programme and get involved in IAIA activities such as the work of Sections and Affiliates. Take the opportunity as well to talk with Board members if you have ideas and suggestions for the organisation.

Enjoy a stimulating week ahead.

Nick Taylor
President, International Association for Impact Assessment
Director, Taylor Baines and Associates, New Zealand

Transitioning to the Green Economy

Despite efforts over the past decades to demonstrate the inter-dependency between the environment, development and human well-being, the environment continues to receive marginal attention in economic policymaking. Worldwide, billions of dollars are spent annually to subsidize carbon-emitting fossil fuels. Meanwhile, investment in renewable energy remains inadequate, posing a threat to affordable and secure energy supply. Investment in the agricultural sector including water and soil conservation has actually declined in the last ten years in the developing world, threatening food security when the world's major food producers have been subsidized to grow biofuels instead of food.

This continued environmental neglect is mainly due to the absence of a powerful economic case being made for investing in the environment. For example, a worldwide transition to energy-efficient buildings would create millions of jobs, as well as "greening" existing employment for many of the estimated 111 million people already working in the construction sector. Investments in improved energy efficiency in buildings could generate an additional 2-3.5 million green jobs in Europe and the United States alone, with the potential much higher in developing countries.

The Green Economy is one in which the vital links between economy, society, and environment are taken into account and in which the transformation of production processes, production and consumption patterns contributes to a reduction per unit in waste, pollution, and the use of resources, materials and energy. Transitioning to the Green Economy will revitalize and diversify economies, create decent employment opportunities, promote sustainable trade, alleviate poverty and improve equity and income distribution.

To promote this shift, the world will need the assistance and cooperation from both public and private stakeholders. IAIA10 can help demonstrate the role of impact assessment in transitioning to the Green Economy. The event should communicate a strong and convincing case to governments and the private sector for how impact assessment, as one tool in a toolbox, can contribute to greening economies and businesses, and creating decent green jobs by investing in a new generation of assets (natural, human, and financial).

IAIA10 focuses on five sectors:

- Agriculture
- Industry
- Tourism
- Cities
- Transportation

These sectors were identified as promising areas for potential sustainable green investment that can help revive the world economy, save and create jobs, enhance poverty reduction, and reduce carbon dependency and ecosystem degradation.

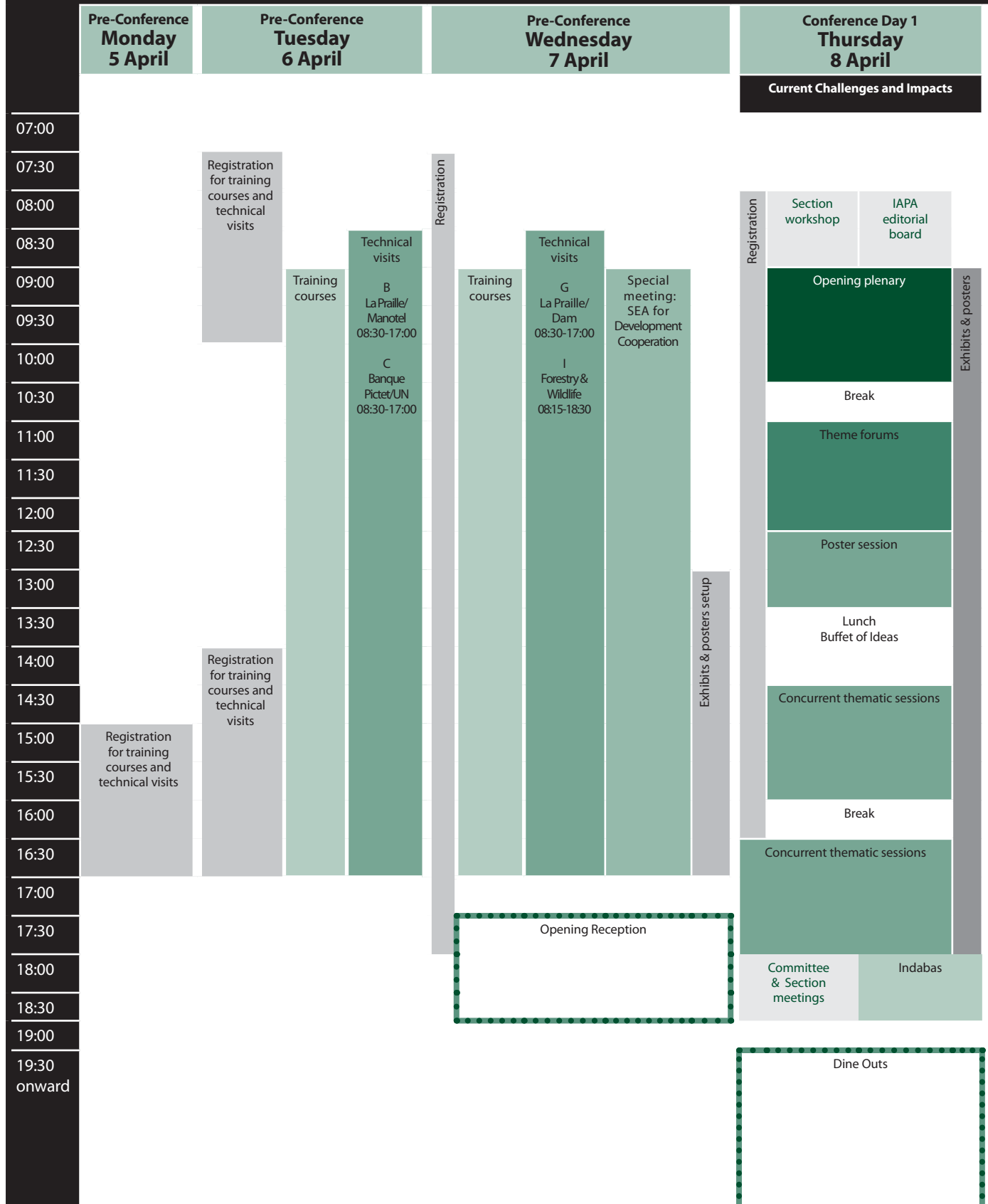
Green investments in these areas can be an immediate response to the current global crises—financial, food, fuel, and climate change. The interaction and outcomes at IAIA10 will contribute to ongoing initiatives, including those of other organizations, on how impact assessment can best insure that these green investments in all five sectors receive proper consideration.

The current global situation has drawn worldwide attention and is providing an opportunity for governments and businesses to seek and adopt alternative strategies that lead to a shift from carbon dependant societies to green sustainable ones.

In light of the urgency for these strategies, **THE TIME FOR ACTION IS NOW!**

Conference overview

Program Overview



Conference overview

Conference Day 2 Friday 9 April		Conference Day 3 Saturday 10 April		Conference Day 4 Sunday 11 April			
What Needs to Be Done?		Potential Benefits		Summary & Output			
		Fun Run				07:00	
						07:30	
						08:00	
Registration	Plenary	Registration	Plenary	Plenary		08:30	
	Theme forums	Exhibits & posters	Theme forums	Exhibits & posters	Concurrent sessions	Exhibits & posters	09:00
							09:30
	Break		Break		Break		10:00
							10:30
	Concurrent thematic sessions		Concurrent thematic sessions		Plenary IAIA Presidential Address Awards IAIA10 report & summary Intro to Future IAIA Meetings	Exhibits & posters	11:00
							11:30
							12:00
	AGM and Rose-Hulman Award Presentation		Council meeting			Exhibit & poster dismantling	12:30
							13:00
	Lunch & Section rendezvous		Lunch & Section rendezvous				13:30
							14:00
Concurrent thematic sessions		Concurrent thematic sessions				14:30	
						15:00	
Break		Break				15:30	
						16:00	
Concurrent sessions		Concurrent sessions				16:30	
						17:00	
						17:30	
Committee & Section meetings	Indabas	Committee & Section meetings	Indabas			18:00	
						18:30	
						19:00	
Dine Outs		International Networking Night				19:30 onward	

Daily schedule

Monday, 5 April

15:00-17:00 **Registration** (CICG Lobby)
Training course and technical visit participants only

Tuesday, 6 April

07:30-10:00 **Registration** (CICG Lobby)
Training course and technical visits B (La Praille/Manotel) and C (Banque Pictet/UN)

09:00-17:00 **Training Courses**
Room numbers will be provided at check-in.

2. Practical Guide to Follow-up
3. MCA: Tool for Sustainability Assessment
4. Mainstreaming Biodiversity
5. Potentials of SEA
6. SEA in Developing Country Context
7. Achieving Full Potential of SIA
8. Cumulative Effects & Follow-up
9. Environmental Management Plans

08:30-17:00 **Technical Visit B: La Praille/Manotel**

08:30-17:00 **Technical Visit C: Banque Pictet/UN**

07:30-10:00 **Registration** (CICG Lobby)

17:30-19:00 **Student Fee Waiver Program Orientation** (Room 15)

Wednesday, 7 April

08:00-18:00 **Registration** (CICG Lobby)

09:00-17:00 **Training Courses**
Room numbers will be provided at check-in.

4. Mainstreaming Biodiversity
5. Potentials of SEA
6. SEA in Developing Country Context
7. Achieving Full Potential of SIA
8. Cumulative Effects & Follow-up
9. Environmental Management Plans
10. Best Practice SEA
11. Practical Guide to Sustainability Assessment
12. Increasing Tangibility in SEA

08:30-17:00 **Technical Visit G: La Praille/Dam**

08:15-18:30 **Technical Visit I: Forestry & Wildlife: Martigny**

09:00-17:00 **Special Meeting: SEA for Development Cooperation**

13:00-17:00 **Exhibit and Poster setup**

17:00-17:30 **Mentor/Mentee meeting** (Room 15)

17:30-18:30 **Opening reception** (CICG Lobby)

Thursday, 8 April

08:00-08:50 **Sections Coordinating Committee workshop** (Room 11)

08:00-08:50 **IAPA Editorial Board Meeting** (Bar Leman Lounge)

08:00-16:30 **Registration** (CICG Lobby)

09:00-10:30 **Opening Plenary** (Room 1)

Chair: Hussein Abaza, IAIA10 Program Committee Chair

Hussein Abaza, opening statement

Michèle Künzler, State Council in charge of Interior Affairs and Transport, Republic and State of Geneva

Gerard Poffet, Vice-Director, Swiss Federal Office for the Environment

Achim Steiner, Executive Director, UNEP

Keynote speaker: Lars Lundquist, Packaging Environmental Sustainability Expert, Nestlé Research Center

Nick Taylor, Statement by IAIA President

10:30-11:00 **Break** (CICG Lobby)

11:00-12:20 **Theme Forums**

12:30-13:30 **Poster Session** (CICG Lobby)

13:30-14:20 **Lunch** (1st Floor)

14:30-16:00 **Concurrent Thematic Sessions**

16:00-16:30 **Break** (CICG Lobby)

16:30-18:00 **Concurrent Thematic Sessions**

18:10-18:50 **Indaba** (see flip charts in Lobby for topics and locations)

18:00-18:50 **Section Meetings**

Agriculture, Forestry & Fisheries (Room 2)

Corporate Stewardship & Risk Management (Room 7)

Cultural Heritage (proposed) (Room 18)

Environmental Law, Policies & Practice (Room 3)

Social Impact Assessment (Room 4)

Strategic Environmental Assessment (Room 13)

19:30 onward **Dine-Outs** (see signup sheets in Lobby)



Friday, 9 April

- 08:00-16:30** **Registration** (CICG Lobby)
- 08:30-08:50** **Plenary** (Room 1)
Chair: Hussein Abaza
Is the Party Over or Starting? How Are Environmental Practitioners Going to Respond? Peter Croal, CIDA
- 09:00-10:30** **Theme Forums**
- 10:30-11:00** **Break** (CICG Lobby)
- 11:00-12:30** **Concurrent Thematic Sessions**
- 12:40-13:30** **Annual General Meeting and Rose-Hulman Award Presentation** (Room 2)
The AGM is the annual business meeting of the Association. All members are encouraged to attend.
- 13:30-14:20** **Lunch** (1st Floor)
Sections: see reserved tables
- 14:30-16:00** **Concurrent Thematic Sessions**
- 16:00-16:30** **Break** (CICG Lobby)
- 16:30-18:00** **Concurrent Sessions**
- 18:10-18:50** **Indaba** (see flip charts in Lobby for topics and locations)
- 18:00-18:50** **Committee Meetings**
Publications (Room 11)
- 18:00-18:50** **Section Meetings**
Biodiversity & Ecology (Room 3)
Disasters & Conflicts (Room 13)
Health (Room 2)
Indigenous Peoples (Room 5)
IA of Trade-Related Policies (Room 7)
Public Participation (Room 4)
- 19:30 onward** **Dine-Outs** (see signup sheets in Lobby)

Saturday, 10 April

- 07:00-08:00** **Fun Run** (see message board for meeting time and place)
- 08:00-14:30** **Registration** (CICG Lobby)
- 08:30-08:50** **Plenary** (Room 1)
Chair: Hussein Abaza
"Vision 2050: The New Agenda for Business"
Keynote speaker: Per Sandberg, Managing Director, Business Role Focus Area, World Business Council for Sustainable Development (WBCSD)
- 09:00-18:00** **Special Meeting: China Day Program**
Open reception to follow (18:00-19:30)
- 09:00-10:30** **Theme Forums**
- 10:30-11:00** **Break** (CICG Lobby)
- 11:00-12:30** **Concurrent Thematic Sessions**
- 12:40-13:30** **Council Meeting** (Room 18)
The Council is an advisory resource for the Board. Committee chairs, Section coordinators, Affiliate and Branch representatives and conference program chairs for current and future conferences comprise the Council. All members are encouraged to attend.
- 13:30-14:20** **Lunch** (1st Floor)
Sections: see reserved tables
- 14:30-16:00** **Concurrent Thematic Sessions**
- 16:00-16:30** **Break** (CICG Lobby)
- 16:30-18:00** **Concurrent Sessions**
- 18:10-18:50** **Indaba** (See flip charts in Lobby for information)
- 18:10-18:50** **Committee Meetings**
Awards (Room 11)
Sections Coordinating (Room 12)
Training & Professional Development (Room 14)
- 18:00-18:50** **Section Meeting**
Students and Early Professionals (Room 13)
- 19:30-21:30** **International Networking Night** (CICG Lobby)

Sunday, 11 April

- 08:30-08:50** **Plenary** (Room 2)
Chair: To be announced
"2010 International Year of Biodiversity"
Video Presentation by Mr. Ahmed Djoghlaif, Executive Secretary, Secretariat of the Convention on Biological Diversity
Announcement of Book Launch: Biodiversity in Environmental Assessment: Enhancing Ecosystem Services for Human Well-Being (Cambridge University Press)
- 09:00-10:30** **Concurrent Sessions**
- 10:30-11:00** **Break** (CICG Lobby)
- 11:00-12:30** **Closing Plenary** (Room 2)
Chair: Hussein Abaza, IAIA10 Program Committee Chair
Main conclusions and recommendations of IAIA10
Presentation of Awards. Anne Miller, 2010 IAIA Awards Committee
Presidential Address. Jonathan Allotey, Incoming President of IAIA
Invitation to IAIA11. Luis Montanez-Cartaxo, IAIA11 Program Chair
Closing of IAIA10
- 12:30-13:30** **Exhibit and Poster Takedown** (CICG Lobby)

Technical program overview

	Room 1	Room 2	Room 3	Room 4	Room 5	
Thursday 09:00-10:30	Opening Plenary					
Thursday 11:00-12:30	TF1.1 Challenges and impacts of current policies and practices in agriculture	TF1.2 Does impact assessment promote a green economy?	TF1.3 Current challenges for IA in the transition to green cities	TF1.4 IA in transportation and the transition to a green economy		
Thursday 12:30-13:30	Poster Session					
Thursday 14:30-16:00	TS1.1 The challenge of applying IA to agriculture	TS1.2 Do green policies ensure green projects?	TS1.3 "Return to the Ice Age" hypothetical	TS1.4 Tools and methods that present challenges to the industry sector	TS1.5 Tools and methods for IA in transportation sector (1)	
Thursday 16:30-18:00	CS2.1 Asian SEA and sustainable assessment	CS2.2 Biodiversity conservation in large industry	TS2.3 Cities: Challenges and impacts	CS2.4 IA teaching and education	TS2.5 Tools and methods for IA in transportation sector (2)	
Friday 08:30-08:50	Plenary					
Friday 09:00-10:30	TF2.1 When is "green business" truly green?	TF2.2 What needs to be done in reshaping agriculture?	TF2.3 What needs to be done for the transition to green cities?		TS2.4 Role of IA in transitioning the tourism sector	
Friday 11:00-12:30	TS3.1 IA and finance	TS3.2 Promoting a shift to sustainable agriculture	TS3.3 Cities: What needs to be done? (1)	TS3.4 Coastal zone challenges towards a green economy	TS3.5 Planning inclusive tourism for green economy	
Friday 14:30-16:00	TS4.1 The extractive industries: tools for good practice	CS4.2 TEEB: the economics of ecosystems and biodiversity	TS4.3 Community health & safety in development lending	TS4.4 How can the impact of tourism development projects be measured?	CS4.5 State of the art of sustainable assessment (1)	
Friday 16:30-18:00	TS5.1 Environmental effects of renewable energy	CS5.2 TEEB for local policy: Sneak preview on draft report	CS5.3 Policy panel: Canada, USA, Australia	CS5.4 Tools for public participation in IA	CS5.5 State of the art of sustainable assessment (2)	
Saturday 08:30-08:50	Plenary					
Saturday 09:00-10:30	TF3.1 Oil & gas development: The role of IA	CS6.1 The state of SEA and EA in China (1)	TF3.3 Benefits of adopting sustainable agriculture	TF3.4 Potential impacts from the transition to green cities	TF3.5 IA and transportation: Moving forward	
Saturday 11:00-12:30	TS6.1 IA in green growth in Republic of Korea (1)	CS6.2 The state of SEA and EA in China (2)	TS6.3 Potential impacts of the transition to greener industries	TS6.4 Potential impacts of the tools and methods used for the transition to greener cities		
Saturday 14:30-16:00	CS7.1 Biodiversity in IA and decision making	CS7.2 SEA of five mega-regions in China (1)	CS7.3 Climate change in IA	CS7.4 SEA capacity development: Are we on or off track?	TS7.5 Low-carbon economy agenda and SEA in Asia	
Saturday 16:30-18:00	CS8.1 Ecosystem services and IA	CS8.2 SEA of five mega-regions in China (2)	CS8.3 Affiliates Forum	CS8.4 Public participation in assessing infrastructure projects	CS8.5 Oil for development (2)	
Sunday 08:30-08:50	Plenary					
Sunday 09:00-10:30	CS9.1 Offsetting biodiversity impacts: Stopping the loss	CS9.2 International cooperation for sustainability	CS9.3 Capacity for EA in Africa: Greening from within!	CS9.4 Participation, contention and the politics of IA	CS9.5 Oil for development (3)	
Sunday 11:00-12:30	Closing Plenary					

Technical program overview

	Room 7	Room 13	Room 18	Room 14	Room 15
	TS1.6 Tools and methods in the tourism sector	TS1.7 Future directions for HIA in an equitable green economy	TS1.8 EAs in shock-prone countries		
	CS2.6 Role of partnerships in promoting innovation	CS2.7 Evaluating the effectiveness of IA	CS2.8 Role of IA tools in the conservation of the historic urban landscape	CS2.9 Welcome to IAIA	
	TS3.6 Health impacts of the transport transition	TS3.7 Finance & governance facing the transition to greener transportation	CS3.8 Research and IA (1)	CS 3.9 Meet the Editors	
	CS4.6 Partnerships: The missing link in IA?	CS4.7 Finance and governance facing the transition to greener transportation	CS4.8 PES and SEA in the Greater Mekong Subregion	CS4.9 SEA and sustainable water management (1)	CS4.10 Innovative Issues & Methods in IA
	CS5.6 Cross-sectoral partnerships to eradicate poverty	CS5.7 IA and the 2010 Haiti earthquake	CS5.8 The World of SEA	TS5.9 Cities: What needs to be done? (2)	
	TS6.6 The benefits of the shift to sustainable agriculture	CS6.7 Socioecological systems' transitions' governance	CS6.8 Resilience thinking improves SEA	CS6.9 Developing international guidelines for SIA	
	CS7.6 SIA and regional development	CS7.7 IA and forest management	CS7.8 Research and IA (2)	CS7.9 HIA: Lessons learned and integration	TS7.10 IA in green growth in Republic of Korea (2)
	CS8.6 Partnerships and IA: How to advance	CS8.7 Dealing with deep uncertainties	CS8.8 Trade-related policy assessment and green economy	CS8.9 SEA and sustainable water management (2)	
	CS9.6 Is EA achieving its original objectives?	CS9.7 Adapting agriculture to the future	CS9.8 Current challenges in HIA practice	CS9.9 Accessing biodiversity information globally, using GBIF	

Keynote speakers

THURSDAY, 8 APRIL



Lars Lundquist
Nestlé

Lars Lundquist holds a PhD in polymer composites science from the Swiss Federal Institute of Technology in Lausanne, where he conducted research within the fields of pulp and paper chemistry, composites processing science and life-cycle engineering.

He is currently leading R&D activities related to environmental assessment of packaging and products at the Nestlé Research Center and represents Nestlé in a wide variety of international environmental initiatives including Efficient Consumer Response Europe: Packaging in the Sustainability Agenda, EUROOPEN, CEN TC 261 – Life Cycle Assessment of Packaging, The Consumer Goods Forum Global Packaging Sustainability Project as well as the EU Food Sustainable Consumption and Production Round Table.

SATURDAY, 10 APRIL

Per Sandberg has been heading the Business Role Focus Area of WBCSD for two and a half years, and in parallel also lead the Vision 2050 project. Before his current role he was with Norwegian oil, gas and aluminum company Norsk Hydro, working on sustainability and innovation. During this time, he also leased out to lead WBCSD's large Sustainable Mobility Project.

Per holds an MSc in Chemical Engineering and a PhD from the Norwegian University of Science and Technology. His doctoral thesis was in applied ethics, outlining an ethical policy framework for the use of genetic information in life insurance.

Vision 2050 key messages

- 29 companies across 14 industries engaged in dialogue with 200 companies and experts in some 20 countries agree that business as usual is not an option for a sustainable future.
- Vision 2050 outlines a pathway to reach a sustainable global society by 2050, in which the earth's 9 billion people live well and within the limits of the planet.
- Achieving Vision 2050 will require a radical but feasible transformation of global markets, governance and infrastructure, and a re-thinking of our ideas of growth and progress.
- Investment in infrastructure, technology and human services driven by sustainability and resource efficiency could reach US\$ 3-10 trillion per annum in 2050, creating new opportunities for business to thrive and grow.
- The world already has the knowledge, science, technologies, skills and financial resources needed to achieve Vision 2050, but time is short. Concerted global action must be made in the next decade to bring these capabilities and resources together for getting on the path to sustainability.
- Business-as-usual is sending us on a trajectory to consume 2.3 planet's worth of ecological resources in 2050. The pathway outlined will enable us to live within the limits of one planet limiting the destruction of key ecosystem services – including climate, forest, fisheries and farmlands – and easing human hardship.
- Vision 2050 calls for a new agenda for business: to work with government and society worldwide to transform markets and competition. Prices must be rationalized to include such externalities as key ecosystem services so that sustainability can be a true competitive advantage across all industries and regions.

Link: <http://www.wbcd.org/web/vision2050.htm> to the Vision 2050 website.

Agriculture, broadly defined by the FAO to include forestry, fisheries, land use and water management, faces several challenges involving a range of economic, social and environmental issues. Global food production is struggling to keep pace with population growth and changing dietary habits in growing economies. Agriculture accounts for 70 percent of global freshwater use and also contributes a significant quantity of surface water pollution. Marine fish stocks are being depleted, aided partly by harmful subsidies. Crop and livestock production contributes about 13 percent of global greenhouse gas emissions, which is exacerbated by trends in deforestation.

tools and methods in impact assessment that can be used, or in some instances should be avoided, to make the shift towards sustainable agricultural practices. These best practices and lessons learned may include examples from both developed and developing regions of the world.

Challenges in the Application of EIA to Agriculture

Patrick Duffy, Jeff Tschirley

This paper is an effort "to take this story on the road" to alert stakeholders worldwide on the substantial benefits which flow from the use of this problem solving opportunity.

Green Economy: Prospect for the Niger Delta

Ijeoma Vincent-Akpu, Nenibarini Zabbey

This paper examines the current environmental challenges in the Niger Delta against the backdrop of existing economic activities and strategy for a green economic plan for the agricultural sector.

Food Impacts: Information for Consumers

Miguel Coutinho, Carlos Borrego

Development of a set of environmental impact indicators to be applied as food labels and that could be used by consumers to reduce their daily environmental impacts.

Saturday, 10 April

Potential Benefits

TF3.3 The Benefits of Adopting Sustainable Agriculture

9:00-10:30 | Room 3 | Theme Forum

Chair: Hans Herren, CEO, Millennium Institute, Washington, D.C.

We will focus on the role impact assessment has to place these advantages firmly on the political agenda and make things move towards a green economy.

Invited speakers

Intelligent Agro Ecological Production Systems: The Promise of a Prosperous and Stable Perspective

Prem Bindraban, Director, ISRIC World Soil Information, leader of international research in agro-production systems at Plant Research International, both at Wageningen University, the Netherlands.

The presentation will discuss how we boosted agricultural development over the past five decades by picking the low hanging fruits. Continued development implies that the use efficiency of the scarce natural resources should be dramatically increased, also to maintain biodiversity. Examples presented to this aim reveal that the gains will not be easily achieved and that firm (policy) decisions are needed.

Food Security for All as a Benefit of Sustainable Agriculture

Marco Ferroni, Executive Director, Syngenta Foundation for Sustainable Agriculture.

The presentation will explore the linkages between sustainable agriculture and the achievements of food security for all, and the implications for the role of impact assessment.

TS6.6 The Benefits of the Shift to Sustainable Agriculture – What If We Made This Happen?

11:00-12:30 | Room 7 | Thematic Session

Chair: Patrick Duffy

This session will conclude the earlier discussions on current challenges and things to do in agriculture. How can we use impact assessment to illustrate the potential benefits that can be achieved, such as concerning agricultural and land use policy. What examples do we have? How can we rectify the situation in 80 nations that have excluded agriculture, forestry and fisheries from environmental and social assessment?

Environmental Audits for Greening Economy

Leszek Preisner, Tadeusz Pindór

This paper focuses on the role of environmental auditing to support economic activity both at micro and macro scale. Examples are given from Poland, a country in transition.

Saving Money with Sustainable Eating Habits

Anita Linell, Sandra Lagerkvist

It is possible to save money by eating for a better environment and better overall health. Even a poor retired person or a student can cut their food costs.

Thursday, 8 April

Current Challenges and Impacts

TF1.1 Challenges and Impacts of Current Policies and Practices in Agriculture

11:00-12:20 | Room 1 | Theme Forum

Chair: Hans Herren, CEO, Millennium Institute, Washington, D.C.

Discussions on what impact assessment can contribute to meeting the challenge of food security for an ever growing world population. A panel of IAIA members will respond to the challenges laid out in the keynote presentation, followed by a wider audience discussion.

Invited speaker

Professor Rudy Rabbinge, Wageningen University, The Netherlands; chairman of the Science Council of the Consultative Group on International Agricultural Research; member of the Board of Directors of the Alliance for a Green Revolution for Afrika; and vice chairman of the Netherlands Commission for Environmental Assessment.

Food Security and Bio-economy – Ecological Literacy or Ecological Dogmatism

A look at current trends and what they mean to food security: growing world population, changing diets, decreasing biodiversity and scarcity of water and nutrients. Key challenges for the coming decades will be discussed with a particular focus on the myths, taboos, dilemmas and paradoxes that surround suggested solutions. Is high productive agriculture bad for the environment? Does success at the macro level lead to unemployment at the micro level? Can we, or should we, avoid pesticides and genetic modification?

TS1.1 The Challenge of Applying Impact Assessment to Agriculture

14:30-16:00 | Room 1 | Paper Session

Chair: Pamela Gunther

This session will discuss the current challenges that hinder the agricultural sector in making the transition to the green economy. These barriers can include a lack of financial support, in particular for investment, as well as policies and policy instruments that inhibit a transition towards sustainable farming, fisheries, and forestry and land use practices. We will focus on current

Friday, 9 April

What Needs to Be Done?

TF2.2 What Needs to Be Done in Reshaping Agriculture?

09:00-10:30 | Room 2 | Theme Forum

Chair: Rob Verheem, Deputy Director, Netherlands Commission for Environmental Assessment

This theme forum, starting with a keynote presentation by Hans Herren, discusses both what needs to be done to tackle key challenges in agriculture and what role impact assessment can play in this. A first response to this presentation will be asked from a panel of IAIA members, after which the floor is open for ideas and discussion.

Agriculture's Role in a Green Economy

Invited speaker

Hans Herren, CEO, Millennium Institute, Washington D.C.

The presentation will discuss that the future of our civilization very much depends on how we will reshape agriculture for the future, re-integrating it into the environment and society where it needs to be solidly anchored, to fulfill its multifunctional role. A particular focus in the presentation is on the agriculture chapter in UNEP's Green Economy Report that is currently under development.

TS3.2 What Needs to Be Done? Promoting a Shift to Sustainable Agriculture

11:00-12:30 | Room 2 | Thematic Session

Chair: Patrick Duffy

This session will examine impact assessment's role in what needs to be done to promote a transition to sustainable agriculture. We will address how impact assessment can contribute to initiatives such as local ecosystem management and enabling policy frameworks. Can we use impact assessment to successfully avoid or turn around damaging practices?

Green Agriculture for Africa

Emmanuel Boon, Henry Semakula

The challenges hindering the development of sustainable farming systems in Africa, especially organic agriculture, are related to the fact that most countries exclude them from the food security debate.

The Industry Sector in the Green Economy includes a diverse range of processes, products, and services that make use of renewable materials and energy sources with a view to significantly reducing the use of materials, energy, and other resources and minimizing or eliminating pollution.

Thursday, 8 April

Current Challenges and Impacts

TF1.2 Does Impact Assessment Promote a Green Economy?

11:00-12:30 | Room 2 | Theme Forum

Chairs: Angus Morrison-Saunders, Bill Ross, Francois Retief

To what extent does IA practice promote a green economy rather than entrench “business as usual”? Come and join the debate in a participative audience discussion.

TS1.2 Do Green Policies Ensure Green Projects?

14:30-16:00 | Room 2 | Paper Session

Chair: Charlotte Bingham

We examine projects that policies suggest are green, but are not. The anchor paper analyzes loss of unique species from a hydro power project, part of a portfolio “to make it green.” Another describes tensions in wind farming between technical factors and social impacts based on community experience. The session will also discuss land grabbing, food security and risks to biodiversity associated with biofuel plantations and the cumulative impacts of many small green projects.

When Green is Not Green: Case Study of Proposed Malagarasi Hydropower Project

Charlotte Bingham, Jonathan Nash, Vanessa Hovland

Is the loss of endemic, unique species worth the gain of clean, renewable energy to serve communities that are poor, have no reliable electricity, and need power for development?

Green is Good But is Green Always Better?

Nick Taylor, James Baines

In balancing the trade-off between national policy for more renewable electricity and local benefits and costs of a wind farm, this assessment of cumulative social effects demonstrates an unsurprising dichotomy.

Biofuel Plantations and the Poor in Tanzania

Agnes Mwakaje

Little is known about impacts of biofuel plantations in Tanzania on the rural poor. A study from Rufiji District revealed high expectations of improved socio-economic conditions, but there are concerns: land, food security, environment and sustainability of biofuel markets.

Mitigating Impacts from Small-Scale Green Projects

Weston Fisher

How can mitigation of unanticipated impacts from small-scale green projects be incorporated early in project design? How can Cumulative Effects Assessment be included in district/regional and national long-term planning efforts?

TS1.4 Tools and Methods that Present Challenges to the Industry Sector

14:30 - 16:00 | Room 4 | Paper Session

Chair: Mark Freeman

Impact assessment has a role to play in the transition toward the green economy. This paper session will examine what this role is and how it can lead to more sustainable practices in the industry sector.

Greening the Economy: A South African Perspective

Mark Freeman

Like most developing countries, South Africa needs to balance the demands for job creation and delivery of basic infrastructure and services with the compelling requirement to reduce its carbon footprint and consumption of natural resources. Initiatives to achieve this and the role of impact assessment will be shared.

Encouraging Environmental Compliance

Francois Roger Nguene, Juliet Taza Azaba, Charlotte Enjoh Fonocho, Aimee Nien Ngapout

It does not suffice for EIA to be approved by the administration. It is imperative to implement measures in the Environmental Management Plan before, during and after project completion.

EA Deregulation in Canada

Matt Hammond

This paper uses the current deregulation of Canadian EA law as an example to emphasize the need to urgently repair a broken EA process.

LCA Contributes to SEA on Electricity Generation

Guangling Zhao, Per Christensen

The aim of this article is to find how life cycle assessment (LCA) methodology and results contribute to SEA procedure. This is achieved by a case study: LCA of electricity generation.

National Environmental Impact Management Strategy

Chantal Matthys

Developing a national environmental impact strategy for South Africa through a participatory approach with all stakeholders in order to improve the current system.

Oil Exploration and the Environment in Uganda

Emmanuel Kasimbazi

Examination of how systems such as environmental impact assessment, information disclosure and transparency, revenue sharing benefits of the revenues of the oil are important for oil governance.

Transitioning from IA to Social Impact Plans

Galina Invanova, John Rolfe

Using a case study, the paper discusses two trends in the IA: increasing focus on dealing with cumulative impacts and emerging requirements to link social/economic IA outcomes with an ongoing SIP.

Friday, 9 April

What Needs to Be Done?

TF2.1 When Is Green Business Truly Green?

9:00-10:30 | Room 1 | Theme Forum

Chair: Mark Stoughton

Green business is critical to a sustainable economy, and an increasing focus of environmental and industrial policy—and of responsible business. But verifying that “green business” is truly green is a critical challenge. The IA community has not fully engaged in this area. Explore these issues and challenges in this session!

Potential Role of SEA in Business Strategies

Bernardo Rodrigues Augusto, Maria Partidario

This paper focuses on the potential application of SEA as an instrument to bring environmental and sustainability values to the core of business investment planning and related strategic decision-making.

How to Measure Relative Efficiency of an Ecodesign

Claudia Salazar, Oscar Buitrago

This article presents the application of an economical method: Data Enveloping Analysis (DEA) for measuring the effectiveness of products or industrial processes taking into account environmental and social performances.

The Study on SEA of modern logistics based on LCA

Ling Xu, Shushen Zhang, Yu Chen, Hongbo Zheng

Study results indicated that LCA evaluation indicators of modern logistics for SEA are feasible to implement modern logistics for SEA.

TS3.1 Impact Assessment and Finance

11:00-12:30 | Room 1 | Panel

Chair: Shawn Miller

This session focuses on the current role of impact assessment in financing development projects and the recent trends in the environmental and social policies of multilateral, bilateral and private commercial banks that implement the Equator Principles. The session examines how these standards impact the outcomes of projects.

Banks in IA: Better Process or Better Projects?

Deborah Berger

This article presents Export Development Canada’s perspective on trends in impact assessment that will result in new policy developments.

Beyond Project Finance

Shawn Miller

Discussion will focus on the challenges of applying E&S risk frameworks, and international standards, to other product types beyond project financing, including corporate loans and debt and equity underwriting.

IFC’s Framework for Managing E&S Risks

Greg Radford, Patricia Miller

IFC’s Performance Standards have become a global benchmark for managing environmental and social risk by financial institutions. Learn about the implementation and impact of the Performance Standards since 2006 in developing countries. IFC will also discuss the current process to review and update its Sustainability Policy and Performance Standards.

TS4.1 The Extractive Industries – Tools for Good Practice

14:30-16:00 | Room 1 | Panel

Chair: *Roel Slootweg*

Panelists: *Steve Smith (Scott Wilson Consultants), Andrew Mackenzie (ICMM) and Rob Cox (IPIECA)*

The extractive industries have at their disposal a growing suite of methods to manage environmental and social impacts along the project lifecycle. Is this expanding toolkit helping the industry achieve integration within impact assessment, as called for in international standards for good practice?

TS5.1 Environmental Effects of Renewable Energy

16:30 - 18:00 | Room 1 | Paper Session

Chair: *Pamela Gunther and Francesco Belfiore*

This session will focus on environmental policies, siting constraints, and impacts that occur from renewable energy development. While most renewable energy technologies have moved beyond experimental stages, we have much to learn about how to develop these energy sources into profitable ventures while ensuring that the environmental setting is protected.

EIA in the Planning of Brazilian Hydropower Projects

Evandro Moretto, Carina Sernaglia Gomes, Carolina de Oliveira Jordão, Marcelo Montaña, Victor Eduardo Lima Ranieri, Marcelo Pereira de Souza

This paper discusses the challenges to improving the environmental impact assessment in the planning of hydropower plants in Brazil, based on cases of Brazilian hydropower projects planning.

Zoning for Previous Analysis of Hydropower Plants

Carolina Jordao, Evandro Moretto

This paper discuss in what way environmental zonings on the Amazon are capable of making an important territorial analysis for planning hydroelectric projects that will have their environmental viability verified.

Wind Energy Policies and EA in Germany and the U.S.A.

Johann Koepfel, Gesa Geissler

We assess the role of legal and policy frameworks in the siting of wind energy facilities and highlight the respective role of Environmental Assessments (SEA, EIA).

The Visual Impact of Wind Farms: An Evaluation

Richard Morgan, Matthew Hoffman

A comparison of the experimental, experiential and expert approaches to visual impact assessment of wind farms, using a New Zealand case study proposal.

The Environmental Impact of the Green Economy

Steeff von Baalen, Raffael Argioli

A sustainable future is heavily dependent on renewable energy. The transition to these new sources will take place in the next decades. But which impacts are caused by renewables itself?

Saturday, 10 April

Potential Benefits

TF3.1 Oil and Development (1): Oil and Gas Development – The Role of Impact Assessment

09:00-10:30 | Room 1 | Theme Forum

Chair: *Terje Lind, Ministry of Environment, Norway*

Oil and gas production requires extensive on-site industrial activities for the life of the fields. The oil and gas theme forum and sessions at the conference will throw light on these issues and discuss new methodologies and technologies for improved IAs in the sector. It will particularly focus on the benefits that could be realized if new and improved methodologies and technologies for IAs in the sector were widely adopted. The oil and gas sector carries an undeveloped potential for green investment, and improved IAs may potentially contribute to environmentally sound investments that better fit local, national, and regional situations.

The Norwegian Oil for Development Program (OfD): Its Vision, Purpose and Present Status

Solveig Andresen

The OfD program was launched in 2005 and aims to help developing nations better manage their oil and gas resources. This presentation will introduce the program and inform about results and status of the program so far.

Valuation of Biodiversity and Ecosystem Services in Impact Assessments for Oil and Gas

Hilde Kyrkjebo

This presentation will introduce some key findings of the newly published “The Economics of Ecosystems and Biodiversity (TEEB) study,” and discuss these findings in the context of impact assessments for oil and gas. The TEEB is a major international initiative to draw attention to the global economic benefits of biodiversity, to highlight the growing costs of biodiversity loss and ecosystem degradation, and to draw together expertise from the fields of science, economics and policy to enable practical actions moving forward.

Indigenous Peoples: Vital Partners for Successful Petroleum Ventures

Peter Croal

Many of the world’s 350 million Indigenous Peoples live on or near areas that have petroleum production potential. Indigenous Peoples are able to affect the public’s view of an exploration program, which can result in conflict and law suits against a company for years. Companies that actively seek fair and equitable partnerships with Indigenous Peoples whose lands and livelihoods may be affected by the projects not only realise more successful projects with the Indigenous groups themselves, but also with NGOs and government agencies. This presentation will explore current Indigenous Peoples - private sector relationships, and a way forward for better negotiations and agreements.

The OECD SEA Guidelines on Climate Change

OECD DAC Environet Task Team on SEA

How can these guidelines be made operational and a practical tool for greening the oil and gas sectors? Particular focus will be put on how these guidelines can be integrated in impact assessments methodology.

TS6.1 Impact Assessment and Green Growth in South Korea (1)

11:00-12:30 | Room 1 | Paper Session

Chair: *Myungjin Kim*

Ecosystem Assessment Using ESB

Myungjin Kim

ESB contributes to analyzing and monitoring the effectiveness of EIA projects and policies on ecosystem by providing a “time capsule” as a long-term base.

Korean Green Growth: The Transition to Sustainability

Charlie P. Wolf, Mark D. Whitaker

Korea’s green growth program and its Four Major Rivers Restoration Project are evaluated for effectiveness and soundness. The application of impact assessment can contribute significantly to improvements in both.

Development of Cooperation Between Vietnam and Korea on Program of Green Growth of Korean Government

Le Dang Hoan

Cooperation between Vietnam and Korea in the field of environmental protection is increasing by transfer of technologies, equipments and development of human recourse - suggestions are offered in this paper.

Performance of Green Growth Policies in Chungnam

Jong-Gwan Jung

The main theme of this presentation focuses on how we can reduce the drawbacks of green growth policy making while we are finding the alternatives in details such as river restoration, waste management, biogas production and renewable energy development project.

TS6.3 Potential Impacts of the Transition to Greener Industries

11:00-12:30 | Room 3 | Paper Session

Chair: *Mohamed Abd rabo*

The transition towards greening the industry sector will require a shift in investment, as well as the necessary enabling conditions, including policy changes. What potential impacts will this have on poverty, employment and health, and what is impact assessment’s role in demonstrating these impacts?

Follow-Up in ESIA as an Aid to Greening Economies

Martin Broderick, Bridget Durning

Follow-up in ESIA will play an important role in greening of economies. There needs to be a development of an epistemic community to influence policy and develop good practice.

Impact of Energy Bulbs Free Distribution in Ghana

Henry Nii Arday Aryeetey, Albert Ahenkorah, Eric Ofori Nyarko

CO2 savings of about 112,320 tons p.a, thermal generation expansion investment of US\$105 million, and electricity cost savings of US\$ 33.3million p.a are major impacts of CFL distribution in Ghana.

Greening Micro and Small Industry Clusters

Nonita Yap

The paper analyses the role of clustering, global value chains, local institutions and donors in enabling/hindering innovation among micro and small manufacturing clusters. Development policy implications are explored.

Fast Tracking Implementation of CDM in Africa

Emmanuel Ekpenyong

Africa, one of the poorest regions in the world, has hardly benefited from Clean Development Mechanism (CDM) when compared to other regions. This paper proposes ways of fast tracking CDM implementation in the region.

Investor Risk Management Through ESIA

Bill Sheridan, Vincenzo Gente

This paper considers how ESIA can reduce investor risk through the identification, evaluation, management and monitoring of risks and uncertainties.

Solar Water Heater Potential in Egypt

Mohamed Abdrabo, Mahmoud Hassaan

This study assesses solar water heater manufacturing potential in Egypt through three scenarios, reflecting institutional and market situation changes. This sector could lead to major job opportunities and environmental benefits.

Environment and Development in Pakistan

Leonard Ortolano, Ernesto Sanchez-Triana, Muhammad Niaz Butt, Javed Malik

This study, which supports a Government of Pakistan-World Bank collaboration, details an approach to integrating environmental factors into Pakistan's industrial development program.

TS7.10 Impact Assessment and Green Growth in South Korea (2)

14:30-16:00 | Room 1 | Paper Session

A Review of Green City Award Evaluation in Korea and Its Policy Implications

Jeong-Seok Choi, Jaei-Joon Lee

The Green City Award (GCA) has already become a prominent environmental award in Korea. But there are also some challenges, due to change in climate and recent central governmental policies.

The Linkage between EIA and EMS System in Korea

Sang-Wook Han, Im-Soon Kim, Jong-Gwan Jung

This paper is mainly focused on the integrated approach between EIA and Environmental Management Systems (EMS).

Nanomaterials Safety and Risk Management in Korea

Sang Hee Lee, Kyunghye Choi, Junheon Yoon, Byoungchen Lee, Hakjoo Kim

Fast developments in nanotechnology offer green growth possibilities but also present new challenges for risk management.

Species Distribution Modeling for Mammals in Korea

Jiyeon Kim, ChangwanSeo, Taeyoung Choi, Myungjin Kim

A GIS-DB of flora and fauna was produced by a National Ecosystem Survey in Korea. Species distribution models (SDMs) using these data could be applied for nature conservation and land management.

The transportation sector faces some of the greatest challenges in a transition to a green economy. The global automobile industry generates some \$1.9 trillion in revenues and employs 4.4 million people, but unless there is a major shift away from current patterns of energy use, world transportation energy demand is expected to grow by two percent per year. This would result in energy use and greenhouse gas emissions at 80 percent above 2002 levels by 2030. However, many possibilities to improve options for more sustainable transportation are being developed, including reinvigorated public transportation systems and technological advances in the use of renewable fuel sources. What are the challenges for impact assessment in evaluating such investments, and can the field provide some indication of the potential benefits that could be generated?

Thursday, 8 April

Current Challenges and Impacts

TF1.4 Impact Assessment in Transportation and the Transition to a Green Economy

11:00-12:30 | Room 4 | Theme Forum

Chairs: Olivia Bina, Andrea Ricci

The Future of Transport Within a Green Economy

Invited speaker: Holger Dalkmann, Transport Research Laboratory, UK

Holger Dalkmann is currently leading the transport chapter of the UNEP Green Economy Report and will present some of the key messages emerging, including the implications and challenges for impact assessment.

TS1.5 Tools and Methods for IA in Transportation Sector (1)

14:30-16:00 | Room 5 | Paper Session

Chair: Olivia Bina

A discussion about IA methods and tools, with an emphasis on tools to prioritise resource conservation, considering the spatial context of millennium.

Ecological Considerations for Express Rail Link

Gigi Lam, Josh Lam

The paper shares the experiences of significant roles of ecological considerations in an EIA for the strategic Express Rail Link from Hong Kong to China.

Potential and Challenge for Sustainable Transport

Wen Liu

This paper analyses and discuss the potential and challenges of different approaches applied to future sustainable transport.

Promoting Environmental Compliance

Francois Roger Nguene, Juliet Asaba Taza, Charlotte Enjoh Fonoch, Aimee Nien Ngapout

It does not suffice for EIA to be approved by the administration, but it is imperative for mitigation measures proposed in the Environmental Management Plan to be implemented.

Operationalising MDGs for Highway Infra-Planning

Sukhad Keshkamat, Jacco Vosselman, M.H.P. Zuidgeest, Martin van Marseveen, Anne van der Veen,

This paper, part of a research to operationalise the MDGs by using their spatial contexts for transport infrastructure planning, is shown by using the case study of the Mongolian Millennium Road.

Environment Enhancement in China Highway Projects

Fei Deng, Juan Quintero

The successful experience in environment impact mitigation on the Third Jiangxi Highway Project in China highlights significant opportunities for environmental and social improvements on transport projects throughout China.

TS2.5 Tools and Methods for IA in Transportation Sector (2)

16:30-18:00 | Room 5 | Paper Session

Chair: Olivia Bina

A discussion about SEA methods and tools for the transport sector in Wales, Romania, and Germany, as well as discussion of ecological risk assessment and noise impact.

Input and Output: SEA in Transport

Delia Gorgos

SEA has come as an aid-tool for decision making processes, in view of sustainable development. What support did it provide for the transport sector and what did SEA tool gain?

SEA Concept and Test Run for the German Federal Transport Infrastructure Plan

Marie Hanusch, Dieter Guennewig, Stefan Balla

An SEA pre-test identified crucial procedural and methodological aspects of the future SEA for the German Federal Transport Infrastructure Plan and gives recommendation for a sound and smooth implementation.

SEA of National Plan for Road in South Korea

Mu Choon Lee

An ecological risk assessment (ERA) method was developed to determine the order of priority for each project. The ERA contains 4 steps.

Friday, 9 April

What Needs to Be Done?

TS3.6 Health Impact of the Transport Transition

11:00-12:30 | Room 7 | Workshop

Chair: *Martin Birley*

Substantial reduction in the use of fossil fuels for transport has health benefits as well as challenges. It affects the design and operation of all projects being planned today. It also affects the content of and recommendations from impact assessments. This workshop will provide an opportunity to debate the implications for impact assessment theory and practice.

Health Impacts of the Transport Transition

Martin Birley

The twin issues of climate change and peak oil imply a widespread energy descent transition with profound effects on transport.

Welsh Experience of HIA in Transport Planning

Liz Green

This paper discusses the challenges/benefits of using HIA within the first Welsh road schemes which have to use the process as part of the newly introduced Welsh Transport Appraisal Guidance.

TS3.7 Finance and Governance Facing the Transition to Greener Transportation (1)

11:00-12:30 | Room 13 | Paper Session

Chair: *Andrea Ricci*

The session focuses on assessing the socio-economic and environmental impacts of development funds (EU Cohesion funds), IA and procurement procedures (lessons from NL), evaluating climate change impacts of transport, managing environmentally sensitive areas (China).

Cohesion Fund Contribution Towards a Green Economy

Pedro Fernandes, Pedro Coutinho, Cláudia Fulgêncio, Maria Grade

Cohesion fund has contributed significantly to social and economic cohesion in Portugal. This paper examines this contribution from 1993 to 2006, in environment and transport sectors.

Compliance in Sensitive Road Projects in China

Juan D. Quintero, Fei Deng

The paper highlights innovative approaches for enforcing compliance with environmental management plans that are being implemented in sensitive highway projects in China.

Integration of Transport in SEA: The Case of Wales

Rob Gardner, Ruth Mellon, Holger Dalkmann, Ko Sakamoto

This paper focuses on the Strategic Environmental Assessment of the National Transport Plan in Wales. The issues identified are applicable to other transport plans and additionally plans in other sectors.

TS4.7 Finance and Governance Facing the Transition to Greener Transportation (2)

14:30-16:00 | Room 13 | Paper Session

Chair: *Andrea Ricci*

Discussions about low carbon urban policy scenarios (Lisbon, Portugal); befores' far reaching effects, e.g., land use (agricultural use and land take for infrastructure, USA) as well as global effects; environmental governance capacity for the road sector; and effective environmental management for creating roads as valuable community assets.

Low Carbon Urban Policy Scenarios for Lisbon

Sofia Campo

Integrated assessment of urban policy scenarios shows that moving towards a greener low carbon economy in the Lisbon region calls for integrated land use-transportation policies and individual attitudinal shifts.

Addressing America's Obsession with Automobiles

Marcia Davitt

U.S. energy policy aimed at replacing petroleum with biofuels misses the more fundamental issue associated with the infrastructure required to support the automobile as a primary mode of transportation.

Environmental Management In South Asia and Latin America's Road Sector

Ernesto Sanchez-Triana, Tapas Paul, Javaid Afzal, Sonia Chand Sandhu, A.S. RamaKrishna, Neha Mishra, Santiago Enriquez

Analysis finds that enacting corporate environmental policies and establishing well-staffed environmental units in road agencies fosters environmental regulatory compliance and provides value added to the sustainability of road projects.

Roads as Sustainable Community Assets

A.S. Rama Krishna, Tapas Paul, Sonia Chand Sandhu, Neha P. K. Mishra

This paper provides case examples of the contributions of effective environmental management to the creation of roads as valuable community assets, within the preview of road development objectives.

Saturday, 10 April

Potential Benefits

TF3.5 Impact Assessment and Transportation: Moving Forward

9:00-10:30 | Room 5 | Theme Forum

Chairs: *Olivia Bina, Andrea Ricci*

Transitions Towards a Carbon-Free Energy System - A European Perspective for 2050

Invited speakers

Professor Christian Hey, Secretary General, German Advisory Council on the Environment (SRU);

Eric Ponthieu, Head of the Transport, Energy, Infrastructure and the Information Society Unit (TEN) of the European Economic and Social Committee

TS7.5 Low-Carbon Economy Agenda and SEA in Asia: Initial Reflections on Possible Approaches (presentation & discussion)

14:30-16:00 | Room 5 | Workshop

Chairs: *Olivia Bina, Andrea Ricci, Kin Che Lam, He Xu*

This workshop intends to carry on the debate on: 1) the relationship between LCE and related concepts/agendas such as green economy and sustainable development 2) how to link the objectives of LCE (and related agendas) to the broader remit of SEA-type processes 3) how should SEA-type process/methods be adapted to achieve this?



Globally the construction sector has a turnover of \$3 trillion annually and directly employs close to 120 million people. However, buildings are responsible for about one-third of greenhouse gas emissions globally, 40% of resource use, 30% of solid waste generation, and 20% of water consumption. For reasons such as these, cities have been identified as one of the five sectors in the IAIA10 conference that offer promising areas for potential sustainable green investments. We will engage in discussions around the perspective of cities as complex systems where people, multiple sectors and multiple functions meet and interact. Sustainable construction and adaptation to climate change, citizens and consumers behaviors, social groups and the ownership of cities functions and cities space, the role of ecosystem services in creating urban green areas and generating economic benefits, namely through the image of the city – all of these have to be reflected in planning approaches to cities.

Thursday, 8 April

Current Challenges and Impacts

TF1.3 Current Challenges for IA in the Transition to Green Cities

11:00-12:30 | Room 3 | Theme Forum

Chairs: Maria Rosario Partidario, Markus Eggenberger
Invited speaker: Diego Salmerón, CEO, LEP Consultants AG, Zürich, Switzerland

This theme forum will look at current problems linked to the current FFF crisis (food, fuel and financial), as well as direct physical problems such as waste, emissions, and noise and their negative impacts on the environment, social and economic dimensions, within an urban context—healthy cities.

462 Issues and Outlook: SEA on Socio-Economic Plans in China

Xiao Xin Shi, Kin Che Lam

Filling the Gap Between Plan EIA and Future SEA in China

377 UK's World Heritage Sites: Sustainability and Impact of SEA

Tatiana Vakhitova, Theo Hacking, Minna Sunikka-Blank Sunikka-Blank, Ana Pereira Roders

Research on the role of heritage values in the SA/SEA tool and its impact on the sustainable management of change in the UK's cities with World Heritage sites.

TS1.3 "Return to the Ice Age" Hypothetical

14:30-16:00 | Room 3 | Panel

Chair: Jack Krohn

Panelists: Ron Verheem, Francois Retief, Sandra Mols, Helen Byron, Ross Marshall, Richard Morgan and Benjamin Landreau

Rug up for a return to the Ice Age! This unscripted Hypothetical format session translates a modern city back 18,000 years. It's colder, drier and sea levels are lower—but it's changing. Our expert panel will respond to the unfolding scenario, illuminating the challenges of societal and economic transition to meet environmental change.

TS2.3 Cities: Challenges and Impacts

16:30-18:00 | Room 3 | Paper Session

Chairs: Maria Rosario Partidario, Markus Eggenberger

Rapid Urbanization in Eastern China: Roles for SEA

Peter Mulvihill, Yangfan Li

This paper examines the impacts of rapid urbanization in Eastern coastal China. We explore the role of scenario analysis, remote sensing and GIS in supporting more effective SEA.

Optimisation of Pay-by-Use Domestic Waste Charges

Abigail O'Callaghan-Platt, Tadhg Coakley, Colum Gibson

An examination of the comparative impacts of various pay-by-use domestic waste charging systems assessed from the perspectives of the environment, waste collector and householder, as used in Ireland.

Integrated Coastal Zone Management: Niger Delta

Abbas Suleiman, Ime Ukpe, Alice Udoh, Edet Essien, Albert Etuk

A critical assessment of the programs for the improvement of livelihoods of coastal communities and inhabitants viz, infrastructure and human development projects and programs.

The Strengthening of Local Decision-Making

Alexandre Carvalho, Marcelo Montaña, Marcelo Souza

This paper focuses on the development and implementation of Environmental Guidelines (at local level), a tool that gives supports and strengthens the decision-making process for environmental planning and management.

SEA of Urban Development Plans in Türkiye

Nuriye Say, Deniz Çolakkadioglu, Sinem Özyurt

Integration of SEA into urban development plans in Turkey.

Friday, 9 April

What Needs to Be Done?

TF2.3 What Needs to Be Done for the Transition to Green Cities

9:00-10:30 | Room 3 | Theme Forum

Maria Rosario Partidario, Markus Eggenberger

Having identified the problems, what is it that we need to do to improve the situation, to solve the problem, to mitigate the problem, or to turn the problem into an opportunity (objective): what are the enabling conditions (framework conditions) to improve the urban green economy, what are incentive measures, what are the roles of different stakeholders?

Invited speaker

Professor Michael Paddon, Institute for Sustainable Futures, University of Technology Sydney, Australia.

Melbourne's Green Wedges: Urban Sustainability?

Jack Krohn

Cities import energy, water and materials and export products and wastes. To assess urban sustainability, how far beyond the urban sprawl can we consider the city to extend?

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Financing the Green Economy

Wayne Chaman Huggins

The transition to the Green Economy can be financed entirely from the marketplace in cities, as a result of changes in the demand for green products.

Valuing Learning Networks

Viv Heslop, Jenny Dixon

Networks provide depth and meaning to projects that seek to drive more sustainable practices. As such, they need to be better valued and understood.

TS3.3 Cities: What Needs to Be Done (1)

11:00-12:30 | Room 3 | Paper Session

Chairs: Maria Rosario Partidario, Markus Eggenberger

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Wayne Chaman Huggins

The transition to the Green Economy can be financed entirely from the market place in cities, as a result of changes in the demand for green products.

Valuing Learning Networks

Viv Heslop, Jenny Dixon

Networks provide depth and meaning to projects that seek to drive more sustainable practices. As such, they need to be better valued and understood.

CoP in Sustainable Urban Planning

Ainhua Gonzalez Del Campo, Alison Donnelly, Mike Jones

Using a Community of Practice (CoP) approach to develop sustainability objectives and indicators in urban planning.

TS3.4 Sea Level Rise, Coastal Impacts and SEA

11:00-12:30 | Room 4 | Paper Session

Chair: Pedro Bettencourt Coutinho

Climate change and sea level rise are reshaping the world's coastlines with major impacts in widely and densely populated areas. The session's aim is to present and discuss strategies and case studies for adaptation and mitigation of environmental, economic and social damage in coastal areas.

SEA and Sea Level Rise in Coastal Areas

Pedro Coutinho, Sónia Alcobia, Pedro Fernandes, Cláudia Fulgêncio

In this paper the authors review three cases studies of strategic environmental assessment of coastal management programmes and plans in the Portuguese Atlantic coast.

Working with Others for a Sustainable Coastline

Karl Fuller, Joanne Murphy

This paper explores how SEA contributes to the collaborative working needed to ensure the long term sustainability of the coastlines of England and Wales.

TS5.9 Cities: What Needs to Be Done (2)

16:30-18:00 | Room 3 | Paper Session

Chairs: Maria Rosario Partidario, Markus Eggenberger

Keeping a Promise: EIA Mitigation in Practice

Trevor Turpin, Adam Boyden

This paper reviews the need to ensure adequate follow-up in EIA, and examines the implementation of ecological and environmental mitigation measures in an urban development in southwest England.

Environmental Acceptability of Economic Activities

Marcelo Montaña, Marcelo Pereira de Souza, Fontes Aurelio Teodoro, Ranieri Victor Eduardo Lima, Oliveira Isabel Silva Dutra

The paper focuses on environmental acceptability as a criterion for the location of activities and the establishment of environmental guidelines to balance the decision-making process.

Cities and Climate Challenges

Alessandra Fidanza

This paper focuses on how planning should integrate climate change-related issues into development frameworks, especially using SEA as a main tool of coherence.

Strategic SIA for Urban Retail Developments

Nick Taylor, James Baines, Harvey Perkins

Retail developments influence urban form and potential urban intensification. Strategic SIAs can assist the transition to a greener economy by comparing impacts of in and out-of-centre retail development.

Saturday, 10 April

Potential Benefits

TF3.4 Potential Impacts from the Transition to Green Cities

09:00-10:30 | Room 4 | Theme Forum

Chairs: Maria Rosario Partidario, Markus Eggenberger

What would take us to do it, what are risks, what comes out of efforts, what are the government or private business benefits of pursuing an urban green economy pathway?

Invited speakers:

Dr. Gunnar Söderholm, Director, Environment Administration, City of Stockholm

Why Stockholm Became the First Green Capital in Europe

Martin Dubbeling, Urban Planner, SAB - Office for Urban Planning, Urban Design, Landscaping, the Environment and Ecology, Amsterdam, Netherlands

TS6.4 Potential Impacts of the Tools and Methods Used for the Transition to Green Cities

11:00-12:30 | Room 4 | Paper Session

Chairs: Maria Rosario Partidario, Markus Eggenberger

Eco-Neighbourhood Planning in Greece

Maria-Christina Georgiadou

The paper demonstrates the shift from individual "eco-houses" or "zero-carbon homes" to community-based settlements and lifestyles, as a more holistic approach towards carbon emissions mitigation and energy efficiency in buildings.

Green Impact Assessment and Sustainable Cities

Wayne Chaman Huggins

An alternative approach is presented for Environmental Impact Assessment of cities in the third world to assist policy makers take action towards sustainable development of cities in a Green Economy.

Urban Pesticide Management in Québec

David Talbot, Jean Turgeon, France Gagnon

This article examines the reasons for the adoption of Québec's pesticide management code, the factors that may explain this adoption by other provinces and the recent contestation by manufacturers.

NOTES

Although less affected than some other sectors, tourism has not been immune to the effects of the economic crisis. Many countries have therefore targeted travel and tourism in their stimulus measures. As one of the largest employment sectors in most countries, the travel and tourism sector can play a critical role in meeting the Millennium Development Goals. Tourists have the money, knowledge, and time to adapt their behavior and they can switch travel plans to alternative destinations or seasons, or simply stay at home. This power can support the transition to a green economy if the right investments are made now. Impact assessment has an important contribution to make in pointing the path for decision-makers in identifying these opportunities.

Thursday, 8 April

TS1.6 Tools and Methods in the Tourism Sector

14:30-16:00 | Room 7 | Paper Session

Chair: Nick Bonvoisin

A range of IA tools and methods can be applied to tourism sector investments, including those that can support the transition to a Green Economy. The impact of new energy projects in developing countries on nearby small-scale tourism sectors is another context in which tools and methods may need further development. This paper session will examine the challenges facing the application of IA to this sector, with a range of presented case studies to initiate discussion, drawn from a variety of contexts and different scales of application.

The Efficiency of "Greening Tourism Approaches"

Alexandra Jiricka, Boris Salak, Ulrike Pröbstl

This paper critically examines and compares the diverse approaches towards sustainable tourism, obligatory instruments versus voluntary approaches. The major aim is discussing success and limitations of attempts to greening tourism.

A Framework for Policy Development and Planning

Danie Smit

Developing an environmental management framework as a tool to address the limitations of EIAs and influence policy development and planning for developments in the Garden Route, South Africa.

Factorial Impact Approach: A Tool to Green Tourism

Manuel Pinheiro

Greener tourism can imply a factorial improvement in environmental performance as defined by "LiderA," a voluntary tool that scales impacts and major improvements to improve green levels in tourism projects.

Environmental Review of a Tourism Project in India

Vinod B. Mathur

Inclusive growth in tourism sector can only happen when environmental and cultural sustainability are ensured. Lessons learned from environmental review of an externally funded tourism project in India are shared.

Friday, 9 April

TF2.4 The Role of Impact Assessment in Transitioning the Tourism Sector to a Green Economy

09:00-10:30 | Room 5 | Theme Forum

Chair: Nick Bonvoisin

This single theme forum on the tourism sector will include presentations by:

Luigi Cabrini, United Nations World Tourism Organization

Giulia Carbone, Business and Biodiversity Programme, International Union for Conservation of Nature

Carolyn George, TEAM Tourism Consulting

Additional panelists will include

Fabrice Leclercq, Tourism-led Poverty Reduction Programme, International Trade Centre, Geneva

Vinod Mathur, Wildlife Institute of India

Rie Tsutsumi, United Nations Environment Programme / Regional Office for Europe

TS3.5 Planning Inclusive Tourism for Green Economy

11:00-12:30 | Room 5 | Paper Session

Chairs: Vinod Mathur, Asha Ravjanshi

The rapid and unregulated growth in tourism has produced more infrastructure, put unsustainable demands on local environments, and created adverse impacts on both cultural and natural biodiversity. All this is making transition towards the green economy a distant dream. There is an urgent need to plan inclusive tourism infrastructure projects.

Taking Responsibility for the SI of Tourism

Lucy McCombes

This paper shares the experiences of Responsible Tourism in trying to measure and manage the social impacts of tourism, and makes the case for better integration of social impact assessment methods in policy, product development and community planning.

A Strategic Approach to Transitioning Tourism

Nick Taylor, Julie Warren

Optimising the tourism sector's economic performance and transitioning to greater sustainability requires an integrated approach with tools that build resilience, adaptability, innovation and productivity given dynamic and uncertain global conditions.

The Volta Lake as a Resource for Green Investment

Emmanuel M. K. Amekor

The Volta Lake in Ghana presents a huge potential for green investment in various sectors not only for power generation but also for meeting of millennium development goals.

Impact Assessment on the Scenic Quality in Mexico

Sergio Honorio Contreras Rodriguez, Aldebaran Contreras Rivera, Rafael Romero Luna

Environment landscape analysis of the hydropower plants in the Grande del Santiago river for the social, economical, touristic and sustainable development of the region.

Environmental integration of new golf courses

Iñigo M. Sobrini, David Gomez

In tourism countries such as Spain, new golf courses may represent important impacts when ignoring environmental issues. But integrating environment beginning with the first decision-making process, they offer great environmental opportunities.

TS4.4 How Can the Impact of Tourism Development Projects Be Measured?

14:30-16:00 | Room 4 | Thematic Session

Chairs: Fabrice Leclercq, Lilian Chisalita

In this session, International Trade Center (ITC) representatives will shed light on an innovative tool created to measure the impact of technical assistance on the livelihoods of poor communities surrounding tourism destinations. ITC's Impact Measurement Tool is a simple and straightforward instrument to assess the sustainability of our interventions with regard to job creation, poverty reduction, and environmental protection.

Cross-cutting issues

TS1.7 Future Directions for HIA in an Equitable Green Economy

Thursday, 8 April | 14:30-16:00 | Room 13 | Workshop/ Paper Session

Chairs: Francesca Vilianni, Ben Cave

Report on the main issues from the HIA conference at WHO HQ and presentation on what the role of HIA for the green economy can be. Two papers will then complement the discussion.

Impact Evaluation of Three Health Equity IAs

Patrick Harris, Ben Harris-Roxas, Pat Bazeley, Lynn Kemp

This study examines the proximal and distal impact of three health equity impact assessments (HEIAs) conducted in Australia in 2007 and 2008 on decision-making and implementation.

Health and SEA: Challenges and Opportunities

Julia Nowacki, Marco Martuzzi, Thomas Fischer

Challenges and opportunities for a further involvement of the health sector in SEA of sustainable projects and policies are discussed and a draft Policy Brief on Health and SEA is presented.

TS4.3 Community Health and Safety in Development Lending

Friday, 9 April | 14:30-16:00 | Room 3 | Roundtable

Chair: Michaela Pfeiffer, Carlos Dora

World Health Organization, International Finance Corporation

This roundtable discussion aims to share some of the recent experience since the introduction of Community Health as a performance requirement in development banks procedures. The floor will be open for questions and debate about this experience. The session should be of interest to practitioners as well as from banks and development actors who have not yet adopted these procedures including the European Bank for Reconstruction and Development, the World Bank (IBRD), Norwegian Investment Bank, European Investment Bank, and the Asian Development Bank.

On the occasion of World Health Day, 7 April 2010, WHO and IAIA are pleased to present a conference at WHO Headquarters in Geneva

Health Impact Assessment (HIA) Conference: Urban development and extractive industries: What can HIA offer?

Open to the media and public with prior registration.

To register: submit name, organization and contact details, prior to 5 April 2010 to hia@who.int.

Registration: 8:00 to 8:30

The Case for IA in Cities 8:30am to 1:00pm

HIA in Oil and Gas Mining 2:00pm to 5:00pm

Poster Session on HIA in urban development and extractive industries 1:00 to 2:00

Lunch break 1:00 to 2:00

Closing remarks and next steps for promoting the use of HIA in cities and extractive industries 4:30 to 5:00

See <http://www.who.int/hia/conference/en/index.html> for more information.



Concurrent Sessions

Agriculture, Forestry & Fisheries

CS7.7 Impact Assessment and Forest Management

Saturday, 10 April | 14:30-16:00 | Room 13 | Paper Session

Chair: Kevin Hanna | Section: Agriculture, Forestry & Fisheries
This session examines the use of IA in the management of forest resources. The emphasis is on how IA has improved, or can improve, participatory and deliberative forest resource management. Examples from high production jurisdictions in Canada and Europe are used to illustrate challenges and promise in IA application to forestry.

SEA Follow-Up in Saskatchewan's Forestry Sector

Bram Noble

SEA follow-up in Saskatchewan's forestry sector is challenged primarily by limited horizontal integration, technical and procedural issues surrounding monitoring and evaluation methods, and limited scope for emergent and external issues.

EIA and Macro-Scale Forest Management

Kevin Hanna

This presentation illustrates the application EIA to forest management in Ontario, Canada. Lasting governance and participation impacts, and recent regulatory changes resulting from the application of EIA are discussed.

EIA in the Forest Planning: Legal Perspective

Ismo Pölonen

This paper shows that many types of forestry projects and plans are excluded from the EIA obligations in the EU and Finland. It examines the reasons for the situation and discusses the potential role of EIA for the integrative forest management in Finland.

EIA by Proxy: Participatory Approaches in Forestry

Kevin Hanna

This presentation illustrates the case of British Columbia where IA has not been legally required for forestry, but the use of IA methods has affected practice, and advanced participatory governance.

CS9.7 Adapting Agriculture to the Future

Sunday, 11 April | 09:00-10:30 | Room 14 | Paper Session

Chairs: Pamela Gunther, Patrick Duffy

Section: Agriculture, Forestry & Fisheries

Using the expanded definition of Agriculture, this session highlights the way forward in the face of climate change, shifts in demand for agricultural products, and dwindling ecosystem resources and services to produce them. Active participation from attendees is solicited.

Role of EIA in the Transition to Agriculture

Jan Veeken

The process and contents of EIA in the redevelopment of an agricultural area into nature and recreation areas, including the role of public participation and understandable alternatives.

The Development of Biotechnology to Meet the Food Crisis

Jokotade Folasade Odekunle

Developing countries need to assess the potential benefit and risks of biotechnology and position themselves and innovation from home and abroad to reduce food insecurity and poverty.

Rural Impact Assessment of Agricultural Water Systems

Olivia Muza

Lack of in-depth assessments to climate change impacts threaten the potential of rural livelihoods to adapt. Furthermore, water stress hampers agriculture and rural development. What are RAP policy lessons?

Biodiversity



2010 International Year of Biodiversity

CS2.2 Biodiversity Conservation in Large Industry

Thursday, 8 April | 16:30-18:00 | Room 2 | Panel

Chair: Jenifer Hill | Section: Biodiversity

Panelists: Andrew Mackenzie, Catherine Sutton, Helen Byron, Shawn Miller.

Large industrial projects are required to meet international standards for biodiversity conservation and sustainable natural resource management. We invite stakeholders to help examine how companies are meeting these standards, whether the standards are helping create a "green economy," and how compliance benefits industry.

CS4.2 TEEB - The Economics of Ecosystems and Biodiversity

Friday, 9 April | 14:30-16:00 | Room 2 | Workshop

Chair: Josh Bishop, IUCN | Section: Biodiversity

TEEB is an initiative to draw attention to the global economic benefits of biodiversity and to the growing cost of ecosystem degradation. The loss of natural capital is closely tied to its economic invisibility. To better understand the values involved is precondition for advancing policy responses including impact assessments.

CS4.8 PES and SEA in the Greater Mekong Subregion: Challenge and Opportunity

Friday, 9 April | 14:30-16:00 | Room 18 | Panel

Chairs: Pavit Ramachandran, Lothar Linde, Sarah Katz | Section: Biodiversity

Panelists: Hoang Sy Son, Keobang A Keola, Rungnapar Pattanavibool, Lothar Linde, Wilbert van Roij

National planners from the Greater Mekong Subregion (GMS) will present early experiences and good practices on how PES can contribute to meet the challenge of maintaining a steady growth for poverty eradication while securing the region's biodiversity richness and natural resources. Examples include community-based ecosystem management in Laos, options for REDD schemes in Thailand, and PES in the hydropower sector in Viet Nam.

CS5.2 TEEB for Local Policy: Sneak Preview on Draft Report

Friday, 9 April | 16:30-18:00 | Room 2 | Workshop

Chair: Elisa Calcaterra | Section: Biodiversity

TEEB for Local Policy translates and adapts TEEB findings to the local policy arena. How should we take ecosystem services into focus? And for which purpose? And how does this perspective connect to impact assessments? Draft key messages will be discussed with the audience.

CS6.8 Resilience Thinking Improves SEA: A Discussion

Saturday, 10 April | 11:00-12:30 | Room 18 | Workshop

Chairs: Roel Slootweg, Mike Jones | Section: Biodiversity

Resilience scientists have coined the term "social-ecological systems" to emphasise the interdependence between humans and nature. The concept can be usefully adopted to encourage holistic, participatory approaches to planning, based on local as well as scientific knowledge. Resilience thinking seems relevant to impact assessment. How can both worlds meet?

Landscape Ecology for SEA: Lessons Learned

Ulla Mörtberg, Berit Balfors, Davide Geneletti

SEA calls for analysis of processes and patterns at landscape scale to address ecosystem services and biodiversity in decision-making. Landscape ecological methods can provide important improvement for addressing such issues.

Linking Governance to Social-Ecological Performance

Jill Slinger, Niki Frantzeskaki, Heleen Vreugdenhil, Susan Taljaard, Lara van Niekerk

The conceptual framework developed in this paper addresses the linkage between governance functions and their outputs, so enabling assessment of the impacts of stewardship arrangements on socio-ecological systems management.

CS7.1 Biodiversity in Impact Assessment and Decision Making

Saturday, 10 April | 14:30-16:00 | Room 1 | Paper Session

Chair: Asha Rajvanshi | Section: Biodiversity

The way biodiversity is considered in impact assessment, and at what stage of the process, can have a major influence both on decision making and the outcome for biodiversity conservation. The adequacy of considering biodiversity in impact assessment depends in part on the level of biodiversity information and strategic conservation tools. This session explores some of these aspects.

Biological Variables in Iranian EISs

Hossein Maradi, Jasmin Joshi, Bernhard Schmid

We evaluated how biological variables were considered in the EIA studies and used The overall effectiveness of the EISs as an indicator of the effectiveness of an EIA system.

Screening Decisions on Natura 2000 Assessment

Kaja Peterson

Study results demonstrated that only 12% of all screening decisions complied fully with the requirements of the article 6 of the EU Habitats Directive.

Concurrent Sessions

Biodiversity and Conservation Planning in Korea

Seo Changwan, Hyuksoo Kwon, Chong-Hwa Park, Hye-Jung Sung

This study can help a conservation planner to reallocate and to designate the boundary of protected areas with high biodiversity through biodiversity mapping using spatial modeling techniques.

IROPI - National Politics v Environmental Decisions

Bruce Munro, Joanne Murphy

This paper explores how impact assessment contributes to resolving potential conflict and gaining consent under the European Habitats Directive, using the case study of Redcar in Northern England, UK.

Environmental Impacts of Chotiari Reservoir

Muhammad Husnain, Wolfgang Wende

The paper explores root causes of poor performance of EIA in agriculture and irrigation by discussing the case of Chotiari Reservoir in the Indus Basin Irrigation System, Pakistan.

CS8.1 Ecosystem Services and Impact Assessment

Saturday, 10 April | 16:30-18:00 | Room 1 | Paper Session

Chair: Roel Slootweg | Section: Biodiversity

So far, treatment of biodiversity in environmental assessment has been inconsistent and inadequate. However, there is growing agreement that recognition and quantification of ecosystem services, and involvement of their stakeholders, represents the best opportunity to translate biodiversity into language understood by decisions makers. The challenge is how to express values.

Ecosystem Services and Sustainability Appraisal

Uzoma Ojike

Developing a framework that integrates ecosystem services in sustainability appraisal.

Green Infrastructure: A Multi-Level Approach

Juan D. Quintero

A multi-level approach at the international, national, sectoral, and project level for promoting green infrastructure, by examining policy infrastructure challenges and opportunities and lessons learned from case studies.

Public Interest in Ecosystem Services: A Review

Asha Rajvanshi

Based on the review of public hearing reports, the paper highlights the communities' perceptions about the ecosystem services and functions and their influence on development decisions in India.

CS9.1 Offsetting Biodiversity Impacts: Stopping the Loss

Sunday, 11 April | 09:00-10:30 | Room 1 | Paper Session

Chair: Helen Byron | Section: Biodiversity

We—and nature—are in crisis. Biodiversity offsets aim to conserve biodiversity and sustain valued ecosystem services. Policies of companies, authorities and financing institutions promoting offsets provide opportunities to grow the Green Economy. What have we learned from experiences worldwide to enable us to optimise biodiversity offsets?

Compensation and Restoration: Quantitative Methods

Leonardo Marotta

The analysis is made within the following scheme: identification and appraisal of impacts, assessment of impact metrics thresholds, quantitative measure of impacts, definition and quantification of mitigations, offset and recovery.

Ambatovy: From Impact Assessment to Offsetting

Pierre Berner, Derek Melton, Steven Dickinson, Paul Adrianaivomahefa

The Ambatovy Mining Project is under construction in Madagascar. Implementation of mitigation and an on-site and off-site biodiversity offset program are described, with an emphasis on lessons learned.

Proposal of the Earth Banking System

Akira Tanaka

It is very important to make rules on offsite and/or out-of-kind environmental trade-off systems including biodiversity offset/banking systems from ecological view point.

Regulations of Marine Ecological Compensation

Shang Chen

China's marine ecological compensation policy will facilitate China's approach to sustainable development models with less impact.

CS9.9 Accessing Biodiversity Information Globally, Using GBIF

Sunday, 11 April | 09:00-10:30 | Room 14 | Workshop

Chair: Nick King | Section: Biodiversity

Imagine a freely accessible global biodiversity database. IAIA and GBIF have signed an MoC to generate just such a global resource. Piloted in South Africa, the benefits for IA work are huge - participate in this workshop to see how you and your country can become part of this exciting initiative.

Corporate Stewardship & Risk Management

CS9.6 Is EA Achieving Its Original Objectives?

Sunday, 11 April | 09:00-10:30 | Room 7 | Paper Session

Chair: Jeffrey Barnes | Section: CSR/M

EA Crisis in Canada: Road to Recovery

Jeffrey Barnes

EA in Canada is inefficient, frequently of poor quality, failing to meet its basic objective as a tool of sustainable development. The paper explores changes needed.

Organizational Learning in an EIA Agency

Luis Sanchez, Angus Morrison-Saunders

Government EIA agencies that create, share and use knowledge can learn from experience. Well designed/maintained knowledge repositories are essential to foster effective organizational memory in support of EIA effectiveness.

Risk Assessment in EIA: Optional or Mandatory?

David Hyett

This paper explores the role of environmental risk assessment within EIA. Based on current practice in Australia, it will offer a perspective on the best use of this tool in EIA. It will also discuss whether govern should prescribe approaches to environmental risk assessment.

Efficacy of EA Beyond the Individual Project

Bram Noble, Jill Gunn

The current silos of EA in Canada are a constraint to realizing the true benefits of EA—improved environmental management—and may be doing more harm than good.

Scoping Practices in Energy and Mining in Canada

Jeffrey Barnes, Loretta Hardwick

The paper reviews a study of scoping practices for large energy and mining project EA in Canada.

Cultural Heritage

CS2.8 The Role of IA Tools in the Conservation of the Historic Urban Landscape

Thursday, 8 April | 16:30-18:00 | Room 18 | Workshop

Chair: Julio de Jesus | Section: Cultural Heritage (proposed)

UNESCO is preparing a recommendation on the protection of Historic Urban Landscape (HUL). How could Impact Assessment (EIA, SEA, Visual Impact Assessment) play a role on the conservation of HUL? This session at IAIA10 could be a timely opportunity to IAIA members to discuss and provide inputs to the Recommendation.

Disaster & Crisis

CS1.8 Environmental Assessments in Shock-Prone Countries

Thursday, 8 April | 14:30-16:00 | Room 18 | Paper Session

Chair: Charles Kelly | Section: Disasters & Conflicts

Crisis-prone countries present significant challenges in planning and providing assistance to address current and future negative impacts. Crisis-prone countries often lack the information and human capacities necessary for normal impact assessments leading to a need to conduct impact assessments in unconventional ways. The session reviews these unconventional assessment efforts.

Lessons from Impact Assessments in Crisis Response

Birgitte Liljedahl, Håkan Eriksson, Christina Edlund, Jan Sjöström, Fanny Rude'n, Rune Berglind, Annica Waleij

Assessing impacts in crisis-affected areas lacking infrastructural support and with little time poses challenges for achieving scientifically valid results. The paper will discuss some Swedish experiences achieved so far.

Critical Challenges in Crisis Impact Assessment

C. Kelly

Understanding natural/political shocks is critical to defining responses and limiting impacts. Optimal approaches to crisis impact assessment are identified. Suggestions are provided to ensure crisis assessments produce usable results.

Concurrent Sessions

CS5.7 Impact Assessment and the 2010 Haiti Earthquake: Field and Policy Perspectives

Friday, 9 April | 16:30-18:00 | Room 13 | Panel

Chair: Charles Kelly | Section: Disasters & Conflicts

The 2010 earthquake in Haiti caused considerable destruction of lives and physical infrastructure. Recovery will require mobilization of significant natural resources, with the risk of considerable damage to livelihoods and the environment. The session will review the practical and policy issues related to recent and on-going impact assessments in Haiti.

Education & Research

CS2.4 Impact Assessment Teaching and Education

Thursday, 8 April | 16:30-18:00 | Room 4 | Paper Session

Chair: Angus Morrison-Saunders

The session aims at sharing experience on teaching IA in universities and colleges at both undergraduate and graduate levels. Two papers will present the results of international teaching surveys. A panel discussion will bring together IA educators from Europe, North America and Africa with time allowed for interaction with attendees.

International Survey of IA Education

Luis E. Sánchez, Angus Morrison-Saunders.

During the two previous IAIA conferences, a survey questionnaire was distributed to academics involved in teaching impact assessment. 31 lecturers in 18 countries responded. Course contents and approaches are compared.

Two EA-M Enhancing Attractiveness of EA Higher Education

Thomas Fischer, Urmila Jha-Thakur, Ralf Aschemann, Ingrid Belcakova

Two EA-M focuses on EA education in Europe and explores its relevance and attractiveness for an East Asian audience. This paper provides an overview of the findings of the project.

Panel discussion: Teaching Impact Assessment and the challenges of transitioning to the green economy. Panelists: Angus Morrison-Saunders, John Sinclair, Alan Bond, François Retief.

CS3.9 Meet the Editors

Friday, 9 April | Room 14 | 11:00-12:30 | Panel

Chair: Bill Ross

Do you want to know how to get published in an academic journal? Are you unsure which journal is right for you? Would you like to learn about how the process works, from submission to review to publication? If so, then this is the session for you! The panel of editors and publishers of major impact assessment journals will discuss which journal is right for you, what an editor does, how to react to refereeing reports, and what happens after acceptance, and then will take questions from attendees.

Panelists

Eric Johnson, Editor, Environmental Impact Assessment Review

Thomas Fischer, Editor, Journal of Environmental Assessment Policy and Management

Angus Morrison-Saunders, Co-Editor, Impact Assessment and Project Appraisal

Bill Page, Publisher, Impact Assessment and Project Appraisal

CS3.8 Research and Impact Assessment (1)

Friday, 9 April | 11:00-12:30 | Room 18 | Roundtable

Chairs: Richard Morgan, Mat Cashmore

This will be a dynamic 'research brokerage' session! Come with a research idea (e.g. project, edited book, etc.) for which you are seeking collaborative partners; present your idea in no more than three minutes; then we will use break-out groups to discuss individual ideas, make links, explore ways forward.

CS7.8 Research and Impact Assessment (2)

Saturday, 10 April | 14:30-16:00 | Room 18 | Roundtable

Chair: Richard Morgan

Using the brokerage style of session 1, this session will be an opportunity to identify interesting research issues emerging from the conference. We'll use break out groups, then a short plenary, to explore research possibilities and priorities, and build networks around issues of common interest.

Health

CS7.9 HIA: Lessons Learned and Integration

Saturday, 10 April | 14:30-16:00 | Room 14 | Paper Session

Chairs: Francesca Viliani, Ben Cave | Section: Health

Health Impact Assessment of Healthcare Buildings

Margaret Douglas, Lynne Robertson

Healthcare facilities can have wider impacts on health beyond the delivery of quality healthcare.

This describes the use of a programme of health impact assessments to enhance these impacts.

The Role of Conceptual Learning in HIA

Patrick Harris, Ben Harris-Roxas

This study evaluated the impact of 10 HIAs on decision-making and implementation. It found that HIA should be understood as an approach for conceptual as well as technical learning.

Local Thai Community HIA Tool and Implementation

Inmuong Uraivan, Panee Rithmark, Sunisa Chaiklieng, Adisak Masayakong, Sasithorn Pimchainoi

The local stakeholders devised a community-based HIA (CHIA) for use by local government and community. The CHIA initiative aimed to be used for analyzing health impact and health effect mitigation.

To Integrate or Not? - That Is the Question

Owen Metcalfe, Claire Higgins

This paper presents a view on the case for and against Integrated Assessment, drawing on developments and dilemmas faced in positioning HIA as a tool for healthy public policy.

CS9.8 Current Challenges in HIA Practice

Sunday, 11 April | 09:00-10:30 | Room 18 | Workshop

Chair: Patrick Harris | Section: Health

Five scenarios will be presented during the workshop, with interactive group discussions on each scenario. The scenarios are based on real cases and form the basis of the workshop. Possible topics may include:

- Practical facilitators and barriers in HIA
- Integrating HIA with other forms of assessment
- HIA follow-up (monitoring and evaluation) and ensuring it occurs
- Issues in engaging communities in HIA
- Ethical issues in HIA
- Trans-boundary issues in HIA

IAIA-Specific

CS2.9 Welcome to IAIA

Thursday, 8 April | 16:30-18:00 | Room 14

Presentation followed by Q&A Session

Chair: Rita Hamm

This session is for any delegate who wants to know more about the IAIA organization, its history, and how it works. Anyone interested in becoming more involved in IAIA leadership or promoting IAIA in their home base should find this session to be especially helpful and interesting.

CS8.3 Affiliates Forum

Saturday, 10 April | 16:30-18:00 | Room 3 | Roundtable

Chairs: Julio de Jesus, John Boyle

This session consists of a debate with short presentations on "the potential role of IAIA Affiliates and Branches in professional certification and promoting professional codes of conduct" followed by discussion. The Ireland & UK Branch, IAIA-Italia, New Zealand Association for Impact Assessment (NZAIA), Ontario Association for Impact Assessment (OAIA), Association québécoise pour l'évaluation d'impacts (AQEI), South Africa (IAIA-SA), IAIA-Spain, and Western and Northern Canada (IAIA-WNC) will make presentations.

Concurrent Sessions

Oil for Development

See Theme Forum 3.1 (page 15) on Oil and Gas Development - The Role of Impact Assessment

CS8.5 Oil for Development (2)

Saturday, 10 April | 16:30-18:00 | Room 5 | Panel

Chair: Solveig Andresen

Oil and gas production requires extensive on-site industrial activities for the life of the fields. The oil and gas theme forum and sessions at the conference will throw light on these issues and discuss new methodologies and technologies for improved IAs in the sector. It will particularly focus on the benefits that could be realized if new and improved methodologies and technologies for IAs in the sector were widely adopted. The oil and gas sector carry an undeveloped potential for green investment, and improved IAs may potentially contribute to environmentally sound investments that better fit local, national, and regional situations.

Lessons Learned from Working with SEA in OfD

Trine Hay Setsaas

The aim of this talk is to present concrete examples from SEA processes under the Oil for Development Program, where the focus will be on achievements and challenges from a general perspective as well as experiences from specific partner countries.

Oil for Development Program member countries present issues, problems and opportunities for greening of the oil and gas sector in their own countries. Speakers from the group of people receiving capacity building support from the OfD program present a set of issues and problems based on their own national experience. This will be followed by a panel discussion.

Sudan: Oil Industry and Sustainable Development in The Sudan

Salah Eldin Ali Mohamed Nour

Mozambique: Biodiversity Conservation along the Coastal Zone in Mozambique

Rosa Cesaltina Benedito

CS9.5 Oil for Development (3)

Sunday, 11 April | 09:00-10:30 | Room 5 | Workshop

Chairs: Peter Tarr and Bryony Walmsley

This workshop will discuss how investments in the oil and gas sector can be developed in such a way as to promote a green economy, community development and poverty reduction. This will be a discussion of potential conflicts with biodiversity like habitat destruction during prospecting and production, impacts on fish and seabirds, pollution from spills, waste and gasflaring, and what can be done to avoid this.

The session will also discuss socio-economic impacts of exclusion areas, community upheaval, noise, and economic distortions where sudden new, abundant cash creates socio-economic changes that are difficult for communities to deal with. Finally the workshop will discuss governance issues like corruption, strain and tensions between institutions because of jurisdictional overlaps and conflicting interests.

Using practical examples from recently completed SEAs in the oil and gas sector, the facilitators will describe how a SEA process can determine sustainability criteria which can be used as a basis for developing strategic environmental management plans relevant for a greener oil and gas sector.

Partnering

CS2.6 The Role of Partnerships in Promoting Innovation

Thursday, 8 April | 16:30-18:00 | Room 7 | Paper Session

Chairs: Ana Maria Esteves, Jos Arts, Ilse Aucamp and Charlotta Faith-Ell

This session examines how partnerships will help reduce poverty, revitalise and diversify economies, create jobs and market opportunities. It will provide concrete recommendations on what needs to be done to achieve this.

Greening Economies by Partnerships: The Role of IA

Jos Arts, Ana Maria Esteves, Ilse Aucamp and Charlotta Faith-Ell

Partnerships between governments, companies and communities blur sectoral boundaries. Traditional sector solutions aren't addressing "big" issues. IA processes should capture complex partnerships, providing relevant and practical guidance, especially during implementation.

A Public Sector Procurement Strategy

Dean Kerwick-Chrisp

A government agency responsible for the strategic road network develops a new procurement strategy with priorities for sustainability at its heart.

Maximising Local Content Through Partnering

Ana Maria Esteves

Partnerships aimed at maximising sourcing, sub-contracting and procurement of goods and services from local small enterprises can increase benefits to both local communities and supply chains in the resources sector.

CS4.6 Partnerships – The Missing Link with IA?

Friday, 9 April | 14:30-16:00 | Room 7 | Paper Session

Chairs: Charlotta Faith Ell and Jos Arts

Public-private partnerships can and will influence the practice of IA. Scope and timing of IA and roles of government and business may change. Also, IA may influence the outcome of partnering projects by informing green procurement, innovative contracts and by strengthening environmental performance throughout an infrastructure project's life cycle.

IA in Green Procurement and Partnering Contracts

Jos Arts, Charlotta Faith-Ell

Green procurement can play an important role in the implementation of EIA-results and safeguarding environmental performance. The ongoing transition towards more collaborative contract relationships can and will influence EIA.

Assessment Partnerships for Project Delivery

Trevor Blake

Cross-cutting partnerships, including within the impact assessment process, have emerged as a key strategy for delivering sustainable major projects and strategic initiatives in Victoria, Australia.

Buying the Best: State of the Art in Combining IA and Infra-Development

Roel Nijsten, Jos Arts, Peter Sandee

The Netherlands has gained much experience in combining IA and procurement-procedures for infrastructure development. This paper discusses approaches and lessons learned. Statement: early-market-involvement is vital for buying the best.

Improving Environmental Performance by Green Procurement

Kedar Uttam, Charlotta Faith-Ell, Berit Balfors

This paper has initially identified issues that influence effective green procurement. Further, the potential within EIA was investigated to discuss the possibilities and challenges for integrating EIA and green procurement.

CS5.6 Cross-Sectoral Partnerships to Eradicate Poverty

Friday, 9 April | 16:30-18:00 | Room 7 | Paper Session

Chairs: Ilse Aucamp and Ana Maria Esteves

Session summary: Cross-sectoral partnerships are increasingly considered useful vehicles by corporates for building local community support, strengthening company reputation, increasing awareness of social forces. This session focuses on what makes a high-performing partnership for social development, from the various perspectives of corporates, affected communities, development agencies and NGOs.

Non-Financial Investments in Partnerships

Ilse Aucamp, Karen Nortje, Ana Maria Esteves

There is an inter-dependent relationship between nature and society which can be utilised for sustainable outcomes. This will contribute to the social license to operate required by industry.

Changing the World Through Entrepreneurship

Jelena Godjevac

MEA-I partners with local development agencies, Hewlett-Packard and UNIDO to reach micro-enterprises and would-be entrepreneurs around the world and provide them with access to technology and ICT training.

Local Economic Benefits of an Aid Program

Melissa Wells

An aid program in Indonesia aimed to construct 2,000 schools and improve education quality. An economic impact study demonstrated significant local employment and business benefits in addition to expected education outcomes.

How Resettlement Planning Can Help Community Well-Being

Francesca Villiani, Camillo Boano

Dilemmas about development-related resettlement associated to infrastructure construction and economic growth are central to the "green economy debate." The paper presents suggestions on how resettlement could contribute to community well-being.

CS8.6 Partnerships and Impact Assessment: How to Advance

Saturday, 10 April | 16:30-18:00 | Room 7 | Roundtable

Chairs: Jos Arts, Charlotta Faith-Ell, Ilse Aucamp, Ana Maria Esteves

This roundtable will summarise and discuss the issues from the previous sessions. It provides a forum for discussing recent case studies, theoretical concepts, legal and practical issues, and appropriate tools. Focus will be on identifying best practices and guiding principles for partnering between government and business in impact assessment.

Concurrent Sessions

Public Participation

CS2.7 Evaluating the Effectiveness of Impact Assessment

Thursday, 8 April | 16:30-18:00 | Room 13 | Panel

Chair: *Kevin Hanna* | *Public Participation*

Panelists: *Mat Cashmore, Kevin Hanna, Tuija Hilding-Rydevik, Bram Noble and Ismo Polonen.*

Guest Rapporteur: *Barry Sadler*

After more than 35 years of experience, has EIA offered more in theory than it delivers in practice? Is EIA an effective tool for environmental management? It can seem as if practitioners and academics, consumed with EIA process development and the dynamics of its application, rarely consider its substantive contributions to environmental management. This panel session will discuss challenges in measuring the effectiveness of EIA as environmental management and as a participatory process that advances environmental policy.

CS5.3 International Panel on Experiences and Lessons Learned in a Multi-Jurisdictional Context - Canada, the United States and Australia

Friday, 9 April | 16:30-18:00 | Room 3 | Panel

Chair: *Anne Miller* | *Section: Public Participation*

Panelists from Canada, the United States and Australia will provide a comparative review of three distinct environmental impact assessment (EIA) regimes, sharing experiences and approaches to addressing common challenges, including lessons learned and best practices in applying EIA to complex multi-jurisdictional projects and Aboriginal engagement.

Experiences and Lessons Learned in a Multi-Jurisdictional Context - Canada

Yves Leboeuf, Vice President, Policy Development, Canadian Environmental Assessment Agency

The panelist will describe Canada's context of shared jurisdiction, the role of Aboriginal peoples in relation to resource management, and recent experiences in major resource projects. The panelist will explore how these factors are shaping Canada's environmental assessment practices and strategic directions.

Experiences and Lessons Learned in a Multi-Jurisdictional Context - United States

Susan Bromm, Director, Office of Federal Activities, Environmental Protection Agency, United States

The panelist will address the important role of cooperation among multiple jurisdictions - Federal, State and Tribal - in achieving a successful environmental impact assessment, with an emphasis on the legal framework in the United States.

Experiences and Lessons Learned in a Multi-Jurisdictional Context - Australia

Peter Burnett, First Assistant Secretary, Approvals and Wildlife, Department of Environment, Water, Heritage and the Arts, Australia

The panelist will discuss recent developments in EIA policy and practice in Australia, drawing from two recent reviews of Federal and State assessment processes. The findings of these reviews will be situated in Australia's historical and political context.

CS5.4 Tools for Public Participation in Impact Assessment

Friday, 9 April | 16:30-18:00 | Room 4 | Workshop

Chair: *Bert Enserink* | *Section: Public Participation*

The contributors to this workshop will show their favorite (ICT) tool for public participation in impact assessment. They will present and demonstrate the tool, its objectives and its application in practice and give a short evaluation of its use.

Art as Catalyst for Personal and Public Engagement

Ingo Cremer

The study presents the role of art to transfer knowledge for sustainability to the public. Thereby people show differences in changing personal behavior and engaging in public action.

Stakeholder Influence in Water Management Planning in the US and Germany

Jessica Reiser, Clare Ryan, Johann Köppel

The aim of this paper is to understand more about the effectiveness of stakeholder participation in terms of integrating environmental concerns into water management planning.

Mediation Through Visual Problem Appraisal

Loes Witteveen, Bert Enserink

Visual Problem Appraisal offers an alternative to learning through face-to-face interactions. The filmed narratives of distanced or overlooked stakeholders are brought to policy makers in a mediated way through film.

CS6.7 Social-Ecological Systems' Transitions Governance

Saturday, 10 April | 11:00-12:30 | Room 13 | Paper Session

Chairs: *Niki Frantzeskaki, Bert Enserink*

Section: *Public Participation*

The current economic and energy crisis challenge institutional forms and impose even greater pressure to social-ecological systems. The issue of governance of long-term societal change and sustainable development requires more attention within policy research and practice. In our panel, we bring together insights from transition researchers and policy researchers.

Policy Evaluations for Long-Term Transitions: A Framework to Monitor Progress Towards Healthy Water Systems in the Dutch Delta in 2027

Leon Hermans, Arianne Naber, Bert Enserink

A transition toward green economies requires continuous learning and reflection. This paper reports on the development of an evaluation framework to support policy learning for water management in The Netherlands.

Transitioning Towards Adaptive Water Management

Stijn Brouwer, Dave Huitema

This paper argues that individuals play a key role in achieving transitions in water management, develops a framework to analyze their strategies and applies this framework empirically.

Transition Pathways to a Low Carbon Economy: Linking Governance Patterns and Assessment Methodologies

Timothy Foxon, Geoffrey Hammond, Craig Jones, Peter Pearson, Jacquelin Burgess, Tom Hargreaves

This paper highlights how assessment tools will be used to explore the implications of different governance patterns in relation to the transition pathways for the energy system in UK.

The Governance of Alternative Producer-Consumer Relationships and Their Institutionalization: The Case of Local Food Systems

Emilie Mutombo, Tom Bauler

Our paper will focus on one of the sources of systemic change towards a sustainable food production system and on highlighting "best practices" supported by public actors.

Role of Scientists in Social-Ecological Systems Governance for Sustainability

Niki Frantzeskaki, Jill Slinger, Els van Daalen, Wil Thissen

We investigate the relation between science, institutions and governance by researching the question "What is the role of science in contributing to socio-ecological systems' sustainability under different contexts of socio-ecological interactions?".

CS8.4 Public Participation in Assessing Infrastructure Projects

Saturday, 10 April | 16:30-18:00 | Room 4 | Paper Session

Chairs: *Sukhad Keshkamat, John Devlin*

Section: *Public Participation*

The scale of infrastructure projects affects the opportunities for participatory public processes and influences the number and intensity of engaged groups. This session consists of an exchange of ideas and solutions between practitioners and researchers based on case studies from Canada, Europe Latin America, Australia, Mongolia and Hong Kong.

Stakeholder Participation in Integrated Assessment

Murray Jones, Jay Wagner

The paper discusses energy projects from Asia, Canada, Europe and Latin America and the challenges of seeking input from often marginalized groups such as indigenous and local communities.

Action Research for Better Community Engagement

Rita Sully, Jenny Pope

Western Power in Australia faces increasing opposition to its infrastructure projects. This paper presents the outcomes of an action research programme seeking to facilitate a process of stakeholder engagement.

Effect of Scale in Alignment of Large Highways

Sukhad Keshkamat, M.H.P. Zuidgeest, Anne van der Veen

Using a case study from the Asian Highway, this paper demonstrates how the choice of scale influences the identification of stakeholders, criteria and priorities.

An Evaluation of Effectiveness of HK's EIA Process

Cho Nam Ng

This paper reports a preliminary evaluation of the effectiveness of HK's EIA process in protecting the environment from impacts of major development projects.

Concurrent Sessions

CS9.4 Participation, Contention and the Politics of IA

Saturday, 10 April | 09:00-10:30 | Room 4 | Paper Session

Chair: John Devlin | Section: Public Participation

Projects continue to be designed, approved and implemented with economic valuations foremost while social and environmental values are given secondary or tertiary consideration. This session explores the role that contention plays in championing environmental and social concerns. The cases analyze contentious processes in Pakistan, Scotland, Canada and Brazil.

EA and Community Empowerment

Eram Aftab

In 2006 the Punjab government announced planned improvements to the Canal Road in Lahore. The paper discusses the public campaign that followed leading to the suspension of the road project.

Opportunity and Resistance in Scottish SEA

Caroline Scott

Using case studies which followed plan-making and SEA processes in two Scottish local authorities, this paper examines opportunities for, and resistance to, public participation in SEA.

Determining Significance of Public Concern

Martin Haeefe

In Canada public concern frequently results in higher levels of review. This paper suggests a framework for determining whether a proposed development is likely to cause significant public concern.

Contentious IA: Experiences from Canada and Brazil

John Devlin, Denise Tubino Salomon, Morgan Boyco

The paper analyzes how public mobilization led to the creation of quite distinct follow-up institutions in two Canadian and Brazilian mining cases and offers a preliminary assessment of these outcomes.

Social Impact Assessment

CS6.9 Developing International Guidelines for SIA

Sunday, 11 April | 11:00-12:30 | Room 13 | Workshop

Chair: Frank Vanclay | Section: SIA

The International Principles for SIA is a major position statement. To make these principles more effective, there needs to be accompanying International Guidelines that can put the higher-level concepts into more direct statements to be utilised by governments, developers, consultants and communities. This workshop is one step in that process.

CS7.6 SIA and Regional Development

Saturday, 10 April | 14:30-16:00 | Room 7 | Paper Session

Chair: Ana Maria Esteves | Section: SIA

This session focuses on initiatives and assessment methodologies aimed at providing benefits at a regional level, while improving the lives of directly affected communities.

Moving from Mitigation Measures to Regional Plans

Maria Basilia Valenzuela, Sergio H. Contreras, Basilio Verduzco

This paper uses evidences of several impact studies to propose guidelines to transform otherwise isolated mitigation measures into eco-development regional plans aim to achieve socioeconomic development and ecological protection.

Benefit-Sharing vs. Local Sustainable Development

Elena Correa

Discussion on the meaning and scope of the benefit-sharing and local sustainable development concepts in development projects. A methodology to promote local sustainable development in investment projects is presented.

The Mersey Gateway: SIA in practice

William Sheate, Clare Twigger-Ross, Polly Luscombe, Samantha Cheater

This paper reports on an SIA carried out for a major new bridge over the River Mersey in Cheshire, UK, highlighting challenges and issues.

Privatisation and Financing for Better Performance

Scott Cawrse

The privatisation of energy assets has the potential to contribute toward sustainable development. It requires harmonised multi-stakeholder sustainability frameworks, strengthened host country statistical systems and social fiscal contracts to foster resilient communities and sustained local development.

Strategic Environmental Assessment

CS2.1 Asian SEA, EIA and Sustainability Assessment

Thursday, 8 April | 16:30-18:00 | Room 1 | Paper Session

Chair: Kii Hayashi | Section: SEA

This session invites experiences, good practices and lessons learned in Asian EIA and SEA system and practices. It is a meaningful follow-up of "SEA/EIA development and cases in Asia" held in IAIA06 and the "Asian SEA, EIA and Sustainability Assessment" session at IAIA07, 08 and 09.

An Inquiry into the Concept of SEA Effectiveness

Olivia Bina, Jing Wu, Lester Brown, Maria Partidario

Critical review of the concept of effectiveness for SEA and proposal for a set of preliminary criteria for effectiveness of SEA in China, structured on three levels.

Integrate SEA into Circular Economy in China

Jing Du, Fenglin Yang, Ling Xu, Shushen Zhang, Binghua Li

Based on the overview of content and general characteristics of circular economy, this paper analyzes the prospects of introducing SEA into CE and the effect of the integration.

The Study of Indicators in the Chinese SEA System

Jingjing Gao, Per Christensen, Lone Koernoef

By documentary study and questionnaire interview, the research shows how the indicators influence the decision-making through the different stages of SEA process in Chinese SEA system.

The Quality of EIS in Bangladesh

SM Zobaidul Kabir, Salin Momtaz, William Gladstone

The article investigates the quality of EIS in the context of Bangladesh. Based on the research findings, a recommendation for the improvement of EIS quality will be provided.

Environmental Mainstreaming in Bhutan

David Annandale, Lex Brown

This paper describes progress made in environmental mainstreaming in Bhutan, and reflects on lessons learned. It aims to provide ideas/guidance for other developing countries that are in a similar situation.

TEIA in China: The Greater Tumen Initiative

Simon Marsden

China has limited experience with TEIA. This needs to change. The GTI is the best example of China's engagement with TEIA, yet has not yet been discussed in the literature.

CS4.9 SEA and Sustainable Water Management (1)

Friday, 9 April | 14:30-16:00 | Room 14 | Paper Session

Chair: Ross Marshall | Section: SEA

Water is the ultimate resource, its abundance or lack influencing a multitude of development scenarios and strategic plans. SEA has an important role in setting out the consequences of unsustainable activity, poor urban design, resource depletion or economic mismanagement. This session seeks to look at current practice and lessons learned.

Creativity in Practice: SEA and RBMPs

Joanne Murphy, Josh Fothergill

Experiences of enhancing SEA during the pre- and post- adoption of RBMPs in England and Wales.

Toward Watershed Cumulative Effects Assessment

Bram Noble, Robert Patrick, Poornima Sheelanere, Murray Ball, Monique Dube

There is a recognized need to advance CEA from the project to strategic level of watershed CEA. Cumulative effects indicators, stressor-response relationships, capacity, and institutional arrangements present key challenges and opportunities.

Watershed CEA to Single-Project EIAs in Mexico

Javier Clausen Silva, Sergio Contreras, Rafael Romero, Aldebarán Contreras

Lessons learned from a watershed CEA in Western Mexico, as relevant for a large dam single project EIA, at an adjacent watershed.

Incremental Changes in Water Resources Planning

Larry Canter, Manroop Chawla, Tom Swor

Incremental changes will be described along with an analytical framework for their evaluation. Multiple conceptual models comprise the framework developed and tested for usage in water resources planning.

CS7.4 SEA Capacity Development – Are We On or Off Track?

Saturday, 10 April | 14:30-16:00 | Room 4 | Workshop

Chairs: Bobbi Schijf, Sandra Mols

Section: SEA

Sound SEA practice can only result from effective capacity development. Each year substantial funding is given to capacity development activities, and yet these do not always deliver desired outcomes. How can we harness the current SEA knowledge, package it and deliver it to effectively develop capacity and ensure greening economies?

Concurrent Sessions

SEA Implementation at Local Level in Portugal

Bruno Ferreira, Jose Guerreiro, Cristina Rebelo

This study discusses local implementation of SEA in Portugal, identifying critical points and comparing various criteria and methodologies applied, contributing to the optimization and improvement of good practices.

Rationale Behind the Current Practice in SEA

Victor Lobos, Maria Rosario Partidario

In contrast with its theoretical evolution, the current practice in SEA still shows a strong influence by EIA of projects. This paper attempts to provide an interpretation of this phenomenon.

CS8.9 SEA and Sustainable Water Management (2)

Saturday, 10 April | 16:30-18:00 | Room 14 | Paper Session

Chair: Ross Marshall | Section: SEA

Water is the ultimate resource, its abundance or lack influencing a multitude of development scenarios and strategic plans. SEA has an important role in setting out the consequences of unsustainable activity, poor urban design, resource depletion or economic mismanagement. This session seeks to look at current practice and lessons learned.

Sustainable Wastewater Strategies in East Africa

Cristina Rebelo, Jose Guerreiro

This paper deals with what is necessary to perform for developing sustainable wastewater treatment strategies in coastal areas of Kenya, Tanzania and Mozambique. A methodology is presented.

Harbour Area Treatment Scheme: A Successful Case

Josh Lam

The paper presents how sustainability is achieved in a mega sewage treatment scheme through impact assessment, covering treatment processes evaluation, and strategic water quality, ecological and human health risks assessments.

Jerash and Fara'a Integrated Assessments

Jeroen Kool

The project focused on problems of land use, natural resources, erosion and depletion of water resources. An Integrated Assessment (IA) has been performed to prepare a list of prioritized interventions.

A Balancing Act - Flood Risk v Food v Environment

Emma Collyer, Ross Marshall

How can SEA balance the often conflicting requirements of flood risk, food production and the environment?

Romaine Project: A Social, Environmental Investment

Louise Emond

Hydro-Québec's latest hydroelectric project is Canada's largest construction investment. A wide list of mitigation measures is developed to reduce the environmental impacts and maintain land use activities.

SEA in China

CS6.2 The State of SEA and EA in China (2)

Saturday, 10 April | 11:00-12:30 | Room 2 | Workshop

Chair: Jining Chen, Executive President, Tsinghua University, Beijing, China

Chair: Stephen Lintner, President-Elect IAIA, Chief Safeguards Advisor, The World Bank

SEA of Urban Planning: Methodology and Case Study of Dalian

Yi Liu, Tsinghua University, Beijing

The Contribution of EA in Addressing the Environment Challenges of China: A World Bank Perspective

Ede Jorge Ijjasz-Vasquez, Manager, Sustainable Development, World Bank Beijing Office

SEA at the World Bank in China

Chongwu Sun, Safeguards Coordinator, World Bank Beijing Office

Juan Quintero, Senior Environment Engineer, East Asia Pacific, The World Bank

CS7.2 SEA of Five Mega-Regions in China (1)

Saturday, 10 April | 14:30-16:00 | Room 2 | Workshop

Chair: Tianwei Li, Director of SEA Division, Ministry of Environment Protection of P.R.C.

Chair: Yongqin Chen, Professor, Chinese University of Hong Kong

SEA of Five Mega-Regions: Background, Framework and Outcomes

Jining Chen, Executive President, Tsinghua University

Evaluation of Cumulative Impacts and Ecological Risks in Mega-regional SEA

Wei Li, Beijing Normal University

Marine Environmental Impact Assessment in Mega-Regional SEA

Baoxin Han, SCIES, Ministry of Environment Protection of P.R.C.

Assessment for Sustainable Water Use in Mega-Regional SEA

Yanan Wang, Environmental Development Center, Ministry of Environment Protection of P.R.C.

CS8.2 SEA of Five

Mega-Regions in China (2)

Saturday, 10 April | 16:30-18:00 | Room 2 | Panel

Chair: Tianwei Li, Director of SEA Division, Ministry of Environment Protection of P.R.C.

Chair: Yongqin Chen, Professor, Chinese University of Hong Kong

This panel will discuss the challenges of completing and moving ahead the mega regional SEAs in China.

Panelists:

Rob Verheem, Deputy Director, Netherlands Commission for Environmental Assessment, The Netherlands

Maria Rosário Partidário, IST – Technical University of Lisbon, Portugal

Nick Taylor, President IAIA, Director, Taylor Baines, New Zealand

Lone Kornov, Aalborg University, Denmark

Stephen Lintner, President-Elect IAIA, Chief Safeguards Advisor, The World Bank

Wrap Up: SEA /EA in China – Experiences and Lessons from the Five Mega-Regions and Other Ongoing Work

Kin Che Lam, Chinese University of Hong Kong

Ede Jorge Ijjasz-Vasquez, The World Bank

CS6.1 The State of SEA and EA in China (1)

Saturday, 10 April | 09:00-10:30 | Room 2 | Workshop

Chair: Jining Chen, Executive President, Tsinghua University, Beijing, China

Chair: Stephen Lintner, President-Elect IAIA, Chief Safeguards Advisor, The World Bank

The State of SEA and EA in China: Recent Progresses on Regulation & Practices

Xingxiang Zhu, Director General, Department of EIA Management, Ministry of Environment Protection of P.R.C.

The Development and Status of EIA System in China

Jingming Ren (ACEE), Ministry of Environment Protection of P.R.C.

SEA of Basin Hydropower Planning: The Present Status and Prospect

Shichun Zhou, Planning Department of General Institute of Hydropower and Water Resources Planning & Design, P.R.C.

Concurrent Sessions

Sustainability Assessment

CS4.5 The State of the Art of Sustainability Assessment (1)

Friday, 9 April | 14:30-16:00 | Room 5 | Paper Session

Chair: *Angus Morrison-Saunders*

The theory and practice of sustainability assessment will be explored in this session. There is now a substantial body of practical experience in sustainability assessment, from sustainability appraisal of spatial plans to the integrated assessments of projects. This session will explore lessons learned, emerging challenges and ideas to improve practice.

Transition Challenge for Sustainability Assessment

Alan Bond, Angus Morrison-Saunders

The transition to sustainability assessment presents theoretical and practical challenges, and requires solutions which recognise pluralistic interpretations of sustainability and accommodate issues concerning its temporal scope, methodology and outcomes.

Re-Understanding Sustainability on Regional Level

Marlon Peti

This paper aims to introduce some experimental, sustainability-based regional development methods that can contribute to the renewal of the sustainable paradigm in planning.

Lessons from Integrated Assessment: Shell Canada

Marla Orenstein, Titus Fossgard-Moser, Trevor Hindmarch, Susan Dowse, Jordan Kuschminder, Pádraig McCloskey, Robert Mugo

This paper provides a real-world example of an Integrated Assessment and identifies critical success factors that enabled it to provide value above and beyond a traditional EIA.

Assessing Integrated Impact Assessment

Emilie Mutombo

Insights on the strengths and weaknesses of integrated impact assessment as implemented by the European Commission with regard to the integration of environmental considerations within policy making processes and outcomes.

Decision Quality for Sustainability Assessment

Jenny Pope, Des Klass

This paper presents a Decision Quality Framework, highlighting the key factors that should be considered in selecting appropriate tools and designing effective decision-making processes for sustainability assessment.

CS5.5 The State of the Art of Sustainability Assessment (2)

Friday, 9 April | 16:30-18:00 | Room 5 | Paper Session

Chair: *Jenny Pope*

The theory and practice of sustainability assessment will be explored in this session. There is now a substantial body of practical experience in sustainability assessment, from sustainability appraisal of spatial plans to the integrated assessments of projects. This session will explore lessons learned, emerging challenges and ideas to improve practice.

Sustainability Appraisal and Environmental Sustainability

Riki Therivel

Sustainability appraisal of UK plans is not leading to environmentally sustainable plans. The objectives-led approach of these sustainability appraisals probably understates plans' environmental impacts.

SA/SEA in UK Spatial Planning

Steven Smith

Scott Wilson Group plc undertook research on the efficiency and effectiveness with which Sustainability Appraisal and Strategic Environmental Assessment are practiced in spatial planning and made recommendations for better practice.

Sustainability Appraisal and Climate Change

Elizabeth Wilson

The paper explores the scope for better practice in the sustainability appraisal of regional spatial strategies to improve the integration of considerations of climate change mitigation and adaptation

Sustainability Assessment with SEA

Nikolaus Hilty

Switzerland has the aim to introduce an impact assessment which combines sustainability assessment with SEA. The political task is a better coordination between environmental protection and spatial development.

Trade

CS8.8 Trade-Related Policy Assessment and Green Economy

Saturday, 10 April | 16:30-18:00 | Room 18 | Paper Session

Chair: *Clive George* | Section: *IATRP*

Trade policies and trade agreements govern the flows of goods, technologies and services and play an essential role in a country's transition to a green economy. This panel session will discuss approaches to and results of trade-related policy assessments and their role in developing policy options for a green economy.

Different Approaches to Environmental Assessment in the Context of Trade Liberalisation

Aranka Podhora

Trade liberalization and project EIA are closely linked. Thus this interaction requires further exploration in order to reduce environmental impacts.

Trade, Agriculture and Biodiversity: Findings from 6 Trade-Related Assessment Studies in Africa, the Caribbean and the Pacific

Vera Weick

Impacts of Multilateral and Regional Trade Agreements: Findings and Recommendations for the Way Forward on New Trade Rules

Clive George

Other Special Topics

CS4.10 Innovative Issues & Methods in Impact Assessment

Friday, 9 April | 14:30-16:00 | Room 15 | Practitioner Exchange

Chair: *Dean Kerwick-Chrisp*

State-of-Art, State-of-Practice or Making Ends Meet

Sukhad Keshkamat, M.H.P. Zuidgeest, Anne van der Veen,

This paper compares state-of-the-art and state-of-practice solutions to show how spatial integrated assessment based transport infrastructure planning can be used to help Mongolia create more sustainable infrastructure.

Climate Change and Urban Energy Management

Jong Ho Lee

In Korea, many efforts such as Eco-city, Green City and Compact City have been done for ESSD. This study focuses on the energy and urban environment under rapid climate change.

Environmental Management Frameworks in RSA

Khanyiso Mtololo

Promotion of sustainable development through development of EMFs in South Africa.

Effectiveness Research & Legal Sciences

Ismo Polonen

The paper introduces legal scientific methods as tools for evaluating and contributing the effectiveness of the EIA system. Also key results of the recent EIA effectiveness research will be presented.

Transitioning into a Green Economy

Charlotte Enjoh Fonocho, Francois Roger Nguene, Juliet Taza Asaba, Aimee Nien Ngapout

Every person has a right to a clean environment, environmental protection is the responsibility of all. This paper based on field experience proposes measures for transition into a green economy.

Practice of Environmental Guidelines: Japan Case

Takehiko Murayama

This paper describes characteristics and practices of environmental and social guidelines mainly for development surveys of private sectors assisted by Japanese government.

Matching Development and Conservation

Maria Antonieta Gomez Balandra, Pilar Saldaña Fabela, Alejandro Ruiz López

Review protected areas' polygons and conservation significance to improve their management and promote development and local participation. Capacity building on GIS and communication to reach better decisions.

Igodo Ax Well: Drilling in a Protected Ecosystem

Abbas Suleiman, Jonathan Omoloyin, Charles Okoro, Oti Dada

Drilling of a well in a protected ecosystem poses significant challenges in Nigeria's Niger Delta, showcasing an example of proper synergy between regulator and regulated.

Sustainable Benefits of the Nigerian LNG Project

Abbas Suleiman, Ahmed Goni, Abdullahi Ibrahim

The Nigerian LNG project has improved the lives of its host communities. A positive example of proactive measures.

Concurrent Sessions

Queering Methods of Social Profiling

Arn Sauer

Challenges to equitable Social Impact Assessment posed by queer theory and intersectionality. Are transversal participatory consultations, as suggested in the realm of Gender Impact Assessments, the solution for inclusion?

Public Sector Carbon Calculation/Reporting

Dean Kerwick-Chrisp, Geoffrey Richards

Public sector organisations are amongst the most important sources of GHG emissions, because of their procurement responsibilities. This paper draws on examples from actual experiences of those managing GHG counting.

CS 5.8 The World of SEA

Friday, 9 April | 16:30-18:00 | Room 18 | Practitioner Exchange

Chair: John Sinclair

Application of SEA for Planning a Sustainable City

Sachihiko Harashina, Ryo Tajima

To transition to the Green Economy, change of the life style is necessary through creating a sustainable city. Application of SEA for planning a sustainable city will be examined.

SEA of Tourism Development in Araucanía (Chile)

Davide Geneletti, Andrea Pollmann Gomez, Cristina Bancher

Key steps of the approach were the construction of an environmental database, SWOT analyses with both stakeholders and local population, and vulnerability mapping for different sectors of the study area.

Strategic Challenges for the Natural Environment

Gary Kass

Securing the future of the natural environment requires assessment of strategic issues. This paper describes a programme of futures work to assess the implications for England's natural environment.

SEA in Environmental Conflict Management

Adebanji Adekoya

Implementing Strategic Environmental Assessment of the oil and gas industry in Nigeria's Niger delta could lead to more sustainable environmental management strategy, thereby eliminating the key drivers of the regional conflict.

Environmental Baseline Space Methodology for SEA

Wei Li

The methodology of environmental baseline space (EBS) was set up to evaluate the environmental rationality of industrial development and was applied in the SEA of the Industry Planning of Ordos.

A Call for SEA: The Airport of Ribeirao Preto

Isabel Silva Dutra de Oliveira, Marcelo Pereira de Souza, Marcelo Montaña, Jake Piper

The context and the process, Project-EIA report, the need for an SEA, Conclusions.

SEA: Transgenic Crops Regulatory System in Brazil

Marcelo Souza, Denise Gallo

Strategic environmental assessment, risk analysis, transgenic crops regulation system, environmental planning.

Life Cycle Assessment Qualifying SEA

Lone Botin Karnav, Mikkel Thrane, Jannick Schmidt

The paper shows how life cycle assessment has the potential to provide new and valuable information to SEA - hereunder for climate change decision making.

Advanced GIS Sustainability Maps for SEA

Processes

Giuseppe Magro, Stefania Pellegrini, Stefano Scarpanti

The paper's proposal is to enforce a systematic use of GIS based on integration of modeling simulation and geospatial impacts and sustainability indexes obtained improving advanced overlay mapping methodologies.

Community-Based Strategic Environmental Assessment

John Sinclair, Laura Sims, Harry Spaling

This paper describes a community-based approach to strategic environmental assessment (SEA) using a case study of the Instituto Costarricense de Electricidad's (ICE) watershed management agricultural program (WMAP) in Costa Rica.

CS7.3 Climate Change in Impact Assessment

Saturday, 10 April | 14:30-16:00 | Room 3 | Paper Session

Chair: Arend Kolhoff

The present international environmental debate is dominated by the climate change agenda. However, in most impact assessments climate change is still considered an externality. Yet impact assessment professionals have a responsibility to link climate change, development and environmental policies. In this session we report on recent progress in this field.

Climate Change in EIA – Views from the UK

Claire Pettit, Josh Fothergill, Nick Blyth, Sophie Bennett

A review of UK practitioners views of the consideration of climate change mitigation and adaptation in EIA.

SEA and Climate Change Planning in Mexico

Jeannette Glauber

SEA may be a useful tool for setting priorities for climate change adaptation and mitigation. This paper presents the case of SEA in developing Michoacan's (Mexico) Climate Change Action Plan.

Integration of Climate Change into Transport SEA

Hongtao Bai, Zhixi Zhu, He Xu

This paper will explore the potential contribution of SEA toward low-carbon development and how climate change issues be integrated into the transport strategy-making process through the tool of transport SEA.

Climate Impact Assessment by SEA

Ulrike Proebstl, Alexandra Jiricka

This paper analyzes the potential of the SEA in putting more emphasis on impacts induced by climate change and points out possible ways for mitigation and adaptation in spatial planning.

Latin American Pollutant Data for Assessment

Margarita Ossés de Eicker, Rainer Zah, Hans Hurni

Changes should be made to the compilation of Pollutant Release and Transference Registers (PRTRs) so they are derived from measurements, not estimated with non local emission factors.

CS8.7 Dealing with Deep Uncertainties

Saturday, 10 April | 16:30-18:00 | Room 13 | Panel

Chair: Wil Thissen

Panelists: William Sheate, Riki Therivel, Mike Jones
Impact assessment and long-term planning face many and deep uncertainties. What methods are available to assess the relevance of such uncertainties? What policy approaches can be used in light of uncertainties? Come to contribute and hear about lessons from practice and the latest ideas for improving uncertainty assessment and strategy development under uncertainty.

CS9.2 International Cooperation for Sustainability

Sunday, 11 April | 09:00-10:30 | Room 2 | Panel

Chairs: Stephen Lintner and Peter Leonard

International cooperation is an essential tool in building a sustainable world. The organizers held a successful Forum at IAIA09 on environmental and social considerations in international cooperation. We plan to expand the discussion with a follow-up forum to address key issues related to international cooperation in creating a sustainable world.

CS9.3 Capacity for IA in Africa –“Greening Africa from Within”

Sunday, 11 April | 09:00-10:30 | Room 3 | Panel

Chair: Issa Maman Sani

Panelists: Peter Tarr, Dieudonne Bitondo, Emmanuel Kasimbazi, Issa Maman Sani, Morgan Hauptfleisch
African governments have made significant efforts to implement EA requirements in policy, law and environmental governance structures, significant gaps in government and practitioner capacity hinder EA effectiveness. Capacity Development and Linkages in Environmental Assessment in Africa (CLEAA) will discuss current and future initiatives to strengthen EA effectiveness in Africa to underpin sustainable development in a continent full of opportunities.



Meet the IAIA Sections!

IAIA is a member-based organization which currently has thirteen Sections that cover different types and aspects of impact assessment.

IAIA Sections provide opportunities for IAIA members with these mutual interests to share experiences and discuss ideas in an informal setting. Sections provide a forum for active topical debate and for development and promotion of good practice.

IAIA Sections have a chance to meet during each annual conference, and they also have a rolling program of work throughout the year.

The members of the Sections and their activities are the life-blood of IAIA: through the Sections, IAIA members can feed into the organization of each annual conference, publish different materials, and develop new lines of thought.

Why join an IAIA Section?

- When you pay the non-member conference rate, you automatically become an IAIA member and are eligible to join a Section.
- Sections are a networking forum for IAIA members, where you can meet your colleagues.
- Sections promote your personal professional development.
- Sections develop interesting activities that you may want to join.

Where can I find the Sections at IAIA10?

- The Sections will have special tables at the welcome reception, where you can informally meet with the Section chairs, find out more about what they do, and join!
- Sessions that have been organized by the Sections or fall under a Section topic are identified in the program.
- Each Section will hold one or more Section meetings during the conference, which everyone is welcome to attend.
- Tables will be identified at lunch times, where Sections can meet informally to continue discussions.
- Section chairs will be identified by ribbons on their name tags so that you can find them during the conference.

Any questions?

Please contact Sections Coordinating Committee Chair Ilse Aucamp (ilsea@lantic.net) or the coordinator of a specific Section as listed at right, or visit www.iaia.org > Sections for more information.

Make a difference: Get involved in a Section!

Current Sections

AGRICULTURE, FORESTRY AND FISHERIES

This Section focuses on finding ways and means of increasing and improving the application of EIA to these sectors based on study, research, and input from practitioners. Section coordinators and listserv facilitators: Patrick Duffy (pjduffy@shaw.ca) Mark Curtis (curtis@nrs.mcgill.ca).

BIODIVERSITY & ECOLOGY

The focus is on ecological impact assessment, biodiversity in impact assessment, ecological compensation and mitigation, impact assessment for protected area establishment and management. Section coordinators and listserv facilitators: Asha Rajvanshi (ar@wii.gov.in) and Susie Brownlie (dbass@icon.co.za).

CORPORATE STEWARDSHIP & RISK MANAGEMENT

Focus on environmental auditing and management, incorporating auditing and impact assessment into environmental management systems and the development and operation of corporate environmental strategies. Section coordinator: Debra Zanewich (dzanewich@edc.ca).

CULTURAL HERITAGE (PROPOSED)

Arlene Fleming (halandarlene@msn.com).

HEALTH IMPACT ASSESSMENT

Health impact assessment throughout the world and integration of human health concerns into impact assessment. Section coordinators: Ben Cave (ben.cave@bcahealth.co.uk) and Francesca Villiani (francescav@internationalsos.com).

INTEGRATED ASSESSMENT OF TRADE-RELATED POLICIES

Environmental legislation plays a vital part in effective EA systems. This Section discusses environmental legislation and its role in EA policy and practice. Section coordinator: Simone Heri (simone.heri@wti.org).

INDIGENOUS PEOPLES

Indigenous issues in impact assessment, including developing guidelines for the recognition and full inclusion of indigenous concerns in all aspects of impact assessment, traditional knowledge, and impact assessment capacity building for indigenous people. Section coordinator: Chantal Otter-Tetreault (chantal@gcc.ca).

STRATEGIC ENVIRONMENTAL ASSESSMENT

All aspects of strategic environmental assessment, development of legislation, and SEA as a tool for cumulative effects assessment. Section coordinator and listserv facilitator: Jean-Philippe Waaub (waaub.jean-philippe@uqam.ca).

DISASTERS & CONFLICTS

This Section enables IAIA members to share and disseminate information on disaster-issues and to participate in the development of sustainable disaster management strategies. Charles Kelly (72734.2412@compuserve.com) and Michel Bouchard (michel.a.bouchard@cogeos.com).

ENVIRONMENTAL IA LAW, POLICIES & PRACTICE

Environmental legislation plays a vital part in effective EA systems. This Section discusses environmental legislation and its role in EA policy and practice. Section coordinator: Open.

PUBLIC PARTICIPATION

Explore principles and techniques of effective public participation as part of EA. Section coordinators: Bert Enserink (b.enserink@tudelft.nl), John Devlin (jdevlin@uoguelph.ca) and Sukhad Keshkamat (sukhad_keshkamat@yahoo.com).

SOCIAL IMPACT ASSESSMENT

The development of professional good practice in all aspects of SIA, drawing on the experience of IAIA practitioners in the private, public and academic sectors around the world. Section coordinator: Ana Maria Esteves (amestev@communityinsights.com.au). Listserv facilitator: Frank Vanclay (frank.vanclay@utas.edu.au).

STUDENTS AND EARLY PROFESSIONALS

This group provides a forum for SEPs to exchange ideas and experiences and the opportunity to pursue involvement in IAIA throughout the year and at IAIA annual meetings. Section coordinators and listserv facilitators: Nick Okello (nickokello@yahoo.com) and Sandra Mols (smc.mols@gmail.com).

POSTER SESSION

Thursday, 8 April ■ 12:30-13:30 ■ CIGC Lobby
Vote for your favorite poster by 11:00 on Saturday, 10 April!

131. The Challenge to Predict Cumulative Effects in SEA

Chiara Bragagnolo, Davide Geneletti

A GIS-based methodological proposal to predict cumulative effects in Strategic Environmental Assessment of spatial plans at local and regional level.

381. SEA in Scottish Government

Amanda Chisholm, Fiona Simpson

The experience of Scottish Government in taking forward SEA of its own plans, programmes, strategies and policies.

427. Public Participation in Latin American EIAs

Elena Correa

A critical review of mechanisms for public participation in legal frameworks of 18 Latin American countries is presented. Recommendations to improve the public participation are formulated based on main findings.

118. HIA, C2C and SA - Tools for a Greener Economy

Paul Eijssen

The current work with three main tools: health impact assessment, cradle 2 cradle and sustainability assessment and their increasing work towards a greener economy.

274. Influencing the EIA Process of a Consent Regime

Josh Fothergill

Experiences and learning from over three years of influencing activities designed to enhance the EIA process applied to a major new project consenting regime for England and Wales.

280. Improving Post-Consent Influence of EIA in the UK

Josh Fothergill, James Thorne, Joanna Wright, Alex Riley

A summary of activities needed to help produce and implement an effective Environmental Management Plan to ensure that EIA mitigation and enhancement measures are delivered post-consent.

90. Applying SEA to Agri-Environmental Measures

John Fry, Jackie Whelan, Stuart Green

SEA and cumulative effects methodologies have been applied to Ireland's Rural Environmental Protection Scheme to help secure the projected large-area landscape benefits expected from local farm-scale actions.

349. SEA in Regional and Municipal Planning in Portugal

Cláudia Fulgêncio, Pedro Coutinho, Nuno Silva, Pedro Fernandes

A discussion of three case studies to evaluate the contribution of SEA to better sustainable planning and land management.

329. Wildlife Movement in the Canadian Oil Sands

Shannon Gavin, Troy Whidden, Sarah Hechtenthal, Petr Komers, Zoran Stanojevic

Development of the Canadian Oil Sands impedes wildlife movements. Successful long-term planning for accommodating wildlife movements will require a regional focus with specific post-development targets and proven reclamation technologies.

486. Meadowbrook Greenspace and Turcot Interchange

Bernice Goldsmith

Efforts to create a greenway to include the St. Jacques escarpment and Meadowbrook greenspace would provide a balance between public space and the reconstruction of the Turcot Interchange.

294. Greening the Industrial Sector in Greenland

Anne Merrild Hansen

An analysis of the challenges for impact assessment (IA) in relation to greening new industries in Greenland.

464. Integration of Environmental Standards into Impact Assessments of Renewable Energy Projects in Germany

Marie Hanusch, Dieter Guennewig, Wolfgang Peters

Challenges and solutions between the to some extent contradictory and to some extent synergetic contexts of renewable energy and environmental protection are illustrated.

484. McGill-UNEP Centre for Environmental Assessment

Gordon Hickey, Mark Curtis, Michael Bouchard, William Kennedy

An overview of the activities of the McGill-UNEP Collaborating Centre on Environmental Assessment (EA) and outline of its future direction.

153. Better Regulation and Sustainability through IA

Jean Hugé

The implementation of sustainability assessment can only be successful if context-specific institutional arrangements are considered. An analysis of the situation in Belgium leads us to recommend an integrated assessment framework.

425. Impacts of Chotiari Reservoir Sindh Pakistan

Muhammad Husnain, Wolfgang Wende

Irrigation infrastructure in Sindh, ever-increasing threat of waterlogging and salinization to the lands of Sindh, ecological and economic impacts of Chotiari reservoir, and mitigation options to deal with the threat.

229. Aviation Liquid Wastes Treatment Evaluation Study

Xu Jianling, Yang Jia Qi, Li Shao Shu

The aircraft wastewater treated by resolvable Sanitizing Liquid can not be directly discharged back into the environment as well as urban drainage systems can.

337. Applying SEA More Broadly than the SEA Directive

Elsa João, Anna McLauchlan

Drawing on extensive documentation from the Scottish SEA process (Aug04 - Nov07) this paper considers the practicality, benefits and tensions of applying SEA more broadly than the European SEA Directive.

446. Embracing Environmental Entrepreneurship

Elsa João

This poster argues for a wide definition of environmental entrepreneurship and uses the case of Robert Wiseman Dairies to illustrate the working of a top environmental entrepreneurship in the UK.

360. Highways Agency: SDAP to Green Delivery

Dean Kerwick-Chrisp

The principles and priorities of sustainable development and the contents and management of the Highways Agency's annual Sustainable Development Action Plan (SDAP).

331. Ecosystem Assessment Using ESB

Myungjin Kim

ESB contributes to analyzing and monitoring the effectiveness of EIA projects and policies on ecosystems by providing a "time capsule" as a long-term base.

56. Participatory Action in the Canadian Oil Sands

Petr Komers, Shannon Gavin, Troy Whidden, Sarah Hechtenthal, Abbie Stewart

Regional planning in the Canadian Oil Sands is beginning to include requirements of local communities. For effective participatory action, testable questions and reclamation targets must be developed by locals.

248. Understanding Sense-Making Processes in SEA

Ivar Lyhne

Sense-making is argued to be important for understanding SEA processes. Based on reviews of SEA and sense-making literature a conceptualisation is proposed. Empirical examples show relevancy.

320. Public SEA Support System for Italian Players

Giuseppe Magro, Giulio Sesana

An innovative public service introduced by regional environmental control agency (ARPA), supporting local players and institutions in managing adequate structured environmental data and information into the SEA process.

154. Pure Gold: Revealing IA Teams as Corporate Assets

Ross Marshall, Dean Barnes

IA practitioners need to demonstrate that they bring financial value as well as environmental competence to the developmental process if they are to win the support and recognition of colleagues.

78. 20 Years of Public Participation in Spain

Casermiro Miguel Angel, Iñigo Sobrini, Luis Desdentado, Manuel Díaz, Ana Pilar Espluga, Segio González-Ubierna

A review of the state of the art of the Spanish EIA situation had been realised from the Spanish Association of EIA. Public participation is a weakness in the system.

261. The Adaption of SEA to the Zambian Tourism Sector

Wizaso Munthali

The challenges and successes encountered in the adaptation of SEA to the Zambian Tourism Sector.

232. Ecosystem Services and Sustainability Appraisal

Uzoma Ojike, William Sheate

Developing an integrated framework that incorporates ecosystem services in sustainability appraisal.

18. EIA and EMS Integration: UK experiences

Lisa Palframan

An exploration of experience of EIA and EMS integration in the UK through a series of case studies.

151. Embedding Futures Thinking in Policy Making

William Sheate, Eoghan Daly, Tony Zamparutti

What are the institutional and governance arrangements for embedding futures thinking into environmental policy making and how effective are they in actually influencing policy?

347. Valuing Mortality Risks of Women in South Korea

Young Chul Shin

This study estimates the value of women's mortality risk (value of statistical life) as well as WTP (willingness to pay) for mortality risk reduction in Korea using an averting behavior model.

508. Introduction of Screening to Improve Efficiency of Environmental Assessments in Korea

Kyung-Hee Shin, Kong-Jang Cho, Hyo-Sook Yim

This study proposes a scenario for the introduction of screening in Korea. According to the scenario, some projects regarded as having low environmental impact can be exempted from EIA process.

106. Enhancing Ecosystem Services for Human Well-Being

Roel Slootweg, Asha Rajvanshi, Vinod B. Mathur, Arend Kolhoff

A summary is provided of a comprehensive approach to the integration of biodiversity in environmental assessment, fully harmonised with objectives and approaches of the Convention on Biological Diversity.

406. Asociacion Española de EIA - Spain IAIA Affiliate

Iñigo M. Sobrini, Miguel A Casermiro, Manuel Diaz, Luis A. Desdentado, Ana P. Espluga

The experience of AEEIA (Spanish IAIA Affiliate) is offered to other Spanish-speaking countries. The 1st International EIA Seminar held in Spain in March 2009 established the basis for future networking structure.

288. Ecological Risk Assessment of Heavy Metals

Liya Su, Jingling Liu, Per Christensen

Assessment of the ecological risk of heavy metals by three benchmarks.

, but certain heavy metals caused risk.

383. Public Participation in EIA Follow-Up in Nigeria

Abbas Suleiman, Jonathan Omoloyin, Kehinde Odusanya, Bassey Chukwuma, Shittu Hussein, Philomena Adinye, Jacob Ameyan

Public Participation has progressively improved the EIA process in Nigeria. Problems and prospects are discussed.

361. Ecotourism: Regulations and Public Awareness

Alla Sushko

Analysis of tourism regulations and public awareness on ecotourism in Belarus as factors that may effect ecotourism impacts on the environment in Belarus.

365. EIA in Belarus: Nuclear Power Station Development

Alla Sushko

Analysis of an ongoing EIA on a nuclear power station, focusing on environmental information availability and public participation.

3. Challenge of Value-Based IAs for Sustainability

Zsolt Szilvácsku

The growing challenge of decision making today is the identification and respect of the value system of sustainability. Review experiences and development possibilities regarding IA methods, process, capacity building and institutional development.

275. SEA Viewpoint Analysis of English EIA Regulation

Ryo Tajima, Sachihiko Harashina

The implementation of English EIA Regulation to outline permission will be analyzed from the viewpoint of SEA, and the characteristics and effects of programmatic SEA will be clarified.

218. The Sustainable Development in Policymaking

David Talbot, Jean Turgeon, France Gagnon, Mathieu Ouimet

This study examines factors that may explain the kinds and extent of consideration accorded to the impacts of future public policies on sustainable development by civil servants.

168. Ecological Land Use Planning and Local Use

Basilio Verduzco, Nora L. Bringas

An analysis of an Ecological Land Use Plan in Baja, California, and assesses the possibilities of introducing user-friendly methodologies to conduct micro EIAs for domestic and small scale uses in nature.

51. SEA in Territorial and Economic Models in Portugal

Gustavo Vicente, Bernardo Augusto, Maria do Rosário Partidário

SEA can contribute to fostering a green economy at the regional planning level by considering how the territorial potential to incorporate innovative and sustainable economic activities has a fundamental assessment criteria.

691. Construction of Naval Port in Tunis, Tunis

Miroslav Martis, Vladimir Zdrzil

Application of Czech obligation to OECD respective: environmental impact of the proposed export.

692. SEA of Water Management Plans in Czech Republic

Vladimir Zdrzil, Miroslav Martis

Water management planning follows on the long tradition of water use control and protection. The assessment includes also monitoring of implementation, which will help to prepare the next six-year planning period.

Note: Only posters approved by the program committee during the review process may be displayed.



Technical visits

About technical visits

Registrations are accepted on a first-come, first-served basis until the visits reach the maximum number. Registrations are confirmed in the order that payment is received.

Prices for technical visits are shown in US dollars. **Participants must be pre-registered and pre-paid to participate.** If you must cancel, the fee will be refunded, less an administration fee of 25% of the technical visit cost and contingent upon written notice of cancellation. After 1 March, no refunds will be issued for cancellations or no-shows.

All prices include transportation, guide, fees, taxes and lunch.

Technical aspects of the tours will be translated from French to English.

Family members of registered delegates are welcome to register for technical visits.

Casual clothing and walking shoes are recommended.

Tours depart from the CIGG. Plan to check in for the visit a minimum of 15 minutes prior to the noted departure time.

IAIA, the organizing committee, and the venue will not be responsible for medical expenses, accidents, losses or other unexpected damage to property belonging to conference participants, either during or as a result of the conference and during all tours and events. Participants are strongly advised to arrange their own insurance for health and accident, lost luggage and trip cancellation.

Participants will be required to sign a liability release waiver upon check-in for the visits.



IAIA thanks the **Geneva Canton Sustainable Development Office** and the **City of Geneva Local Agenda 21 Unit** for their help in organizing the technical visits.



Restaurant le Babylone: A selection of fresh products and a varied menu changing with the seasons and enriched with daily suggestions depending on fresh market goods is offered in its magnificent medieval-styled vaulted great room. The lunch included with the tour fee will consist of the plate of the day (meat or fish with vegetables and potatoes).

Please note that drinks, dessert and gratuity are not included in the tour fee; these costs are the responsibility of the individual delegate.



Le Belvedere: You will stop for lunch at Le Belvedere, a traditional family restaurant near forest areas. The tour fee includes a choice among the dishes of the day (meat or fish with vegetables and potatoes), prepared by Sandrine and Andre Vallotton. For more information: <http://www.lebelvedere.ch/>.

Please note that drinks, dessert and gratuity are not included in the tour fee; these costs are the responsibility of the individual delegate.

B | La Praille and Manotel

Morning: New ways should be explored so that waste management becomes resource management. This implies a systematic effort in sorting and promoting recycled products, but also a substantive overall reduction of waste. In La Praille, a suburb of Geneva, you will attend a conference on the new 2009-2012 waste management plan for the city of Geneva. This initiative is part of the policy establishing a tax on garbage cans for households. The new plan sets a target of achieving 50% of recycling by 2012. This conference will focus on the means to achieve this goal.

Afternoon: Last year Manotel won the sustainability practice award: welcome to one of the most sustainable hotels in Switzerland, where going green is essential. You will discover that reducing emissions and environmental impact lead to lower costs. During the visit, you will be given a presentation of the Manotel group and its sustainable development program. Time will also be allocated to ask questions related to sustainable tourism and the management of the Geneva Manotel. Finally you will visit the hotel and see concrete examples of sustainable practices (rooms and public areas management). The goal is to reconcile growth, social development and preservation of the environment.

Tuesday, 6 April

Depart 08:30 | Return 17:00

Minimum/Maximum: 15-20

Price: \$60

Price includes lunch at Restaurant le Babylone.

C | Banque Pictet and United Nations

Morning: The asset management industry has the potential to be a major catalyst in moving the global economy toward a more sustainable future, since sustainability has become a legitimate investment choice for a growing number of investors. Founded in Geneva in 1805, Pictet is today one of Switzerland's largest private banks. Your visit includes a welcome by Helene De Vos Vuadens, Head of Corporate Internal Communications; discussion on sustainable investment at Pictet by Christoph Butz, Sustainability Expert; review of Pictet environmental policy by Jean-Hugues Hoarau, Head of Climate Change and Environment Management, and a visit to the headquarters premises.

Afternoon: Tour the Human Rights and Alliance of Civilizations Room, from where you can discover the Armillary Sphere and the monument commemorating the conquest of outer space; the Assembly Hall; and the Council Chamber, where many important negotiations have taken place.

Thereafter, your guide will inform you about the work of the United Nations and review the involvement of the UN in the environment. You will also be briefed on the processes undertaken to make the Palais a sustainable building. You will discover how through a natural cooling system (using the lake), the Palais is a very good example of energy efficient cooling system. Note: Due to meeting scheduling at the UN, a change in the tour route can occur without prior notice.

Tuesday, 6 April

Depart 08:30 | Return 17:00

Minimum/Maximum: 15-20

Price: \$80

Price includes lunch at Restaurant le Babylone.

For security reasons, the attendee list for this tour must be finalized by 17 March.

Participants must present a photo identification on the tour.

G | La Praille and Verbois Dam

Morning: New ways should be explored so that waste management becomes resource management. This implies a systematic effort in sorting and promoting recycled products, but also a substantive overall reduction of waste. In La Praille, a suburb of Geneva, you will attend a conference on the new 2009-2012 waste management plan for the city of Geneva. This initiative is part of the policy establishing a tax on garbage cans for households. The new plan sets a target of achieving 50% of recycling by 2012. This conference will focus on the means to achieve this goal.

Afternoon: Visiting the Verbois dam takes place in three stages. A 15-minute film will introduce the hydropower sector in Geneva, reflecting the challenges that Geneva Industry Services (GIS) faces with increasing power consumption in the area.

You will then move to GIS Solar 3, the second largest solar power plant in Switzerland. Located on a former brownfield site on an area equivalent to two football fields, GIS Solar 3 supplies electricity to about 300 families per year with 6,000 interconnected photovoltaic panels.

Finally, you will visit the Verbois plant and the four turbines, weighing over 700 tons each and producing nearly 20% of the electricity of the Geneva area. It will also be possible to go inside the dam and admire the downstream view. The Verbois dam is located approximately 15 kilometers from the centre of Geneva. The boat trip from Geneva to Verbois will let you admire Geneva's countryside and some of its surrounding villages, as well as one of the most beautiful parts of the Rhone, where birds and other animals rest and nest.

Wednesday, 7 April

Depart 08:30 | Return 17:00

Minimum/Maximum: 15-20

Price: \$75

Price includes lunch at Restaurant le Babylone.

I | Forestry & Wildlife Conservation Near Martigny

Organized with assistance from the Swiss Federal Office for the Environment, this technical visit will reveal the economic benefits provided by forests in a mountainous country such as Switzerland.

Via bus to the spectacular countryside of Switzerland's Valais region, you will first stop in St. Maurice to visit a traditional woodburning factory. See a forest that acts as a net to protect the St. Maurice Abbey and Castle from falling rocks and rockslides. Discover what needs to be done in practice to maintain this green infrastructure, an example in terms of forest management, protection against natural hazards, and sustainable development.

Next stop is the Mont Chemin Forest, above Martigny, for a more technical experience. Along the 500-meter path, you will see three very different areas with distinct tree stands (large isolated trees, uprooted trees and a young stable population with a large number of stems). Discover what the economic consequences of such structural changes are.

Leaving the forest and moving on to Fully, you will learn about the region's instability maps, featuring retention works, as well as flood and avalanche management infrastructure.

At the end of the afternoon, the Fully Municipality invites you to enjoy some fresh roasted chestnuts with an aperitif.

Wednesday, 7 April

Depart 08:15 | Return 18:30

Minimum/Maximum: 20-25

Price: \$100

Price includes lunch at Restaurant Le Belvedere.

Special meeting

SEA for Development Cooperation: Taking Stock and Looking Forward

The OECD Development Assistance Committee (DAC) SEA Task Team and the World Bank's SEA Pilot Program

Conveners: Fernando Loayza, World Bank, and Peter Croal, OECD SEA Task Team

Wednesday, 7 April | 09:00-17:00 | Pre-registration required.

OBJECTIVES

The workshop has the following objectives:

- Review progress made in the application of SEA focusing on the recent experience of the OECD DAC SEA Task Team and the World Bank's Pilot Program on SEA.
- Receive feedback from workshop participants on how SEA can be used more effectively for environmental integration in development policy and poverty reduction.
- Discuss the relevance of SEA in the new Environment Strategy of the World Bank Group (IDA, IBRD, IFC, MIGA.)

AGENDA

- 09.00 – 09.15 Welcome and introduction
Peter Croal (CIDA and OECD SEA Task Team) and Fernando Loayza (World Bank)
- Session 1: OECD SEA Task Team Progress and News on the Implementation of SEA for Development Cooperation**
Session chair: Peter Croal (CIDA and OECD SEA Task Team, Canada)
- 09.15 – 09.30 Introduction and SEA Task Team overview
Peter Croal (CIDA and OECD SEA Task Team, Canada)
- 09.30 – 09.45 SEA Quality Tool
Barry Dalal-Clayton (IIED, United Kingdom), Barry Sadler (Consultant)
- 09.45 – 10.05 SEA in Practice in Development Co-Operation
Barry Sadler (Consultant)
- 10.05 – 10.25 SEA Activities in China
Kin Che Lam (Centre of Strategic Environmental Assessment for China, Chinese University of Hong Kong, China)
- 10.25 – 10.45 Questions and answers
- 10.45 – 11.15 Coffee break
- Session 2: SEA and the New Environment Strategy of the World Bank Group**
Session chair: Anna Axelsson (Swedish EIA Centre, Swedish University of Agricultural Sciences, Sweden)
- 11.15 – 11.30 The World Bank's Pilot Program on SEA
Fernando Loayza (World Bank, USA)
- 11.30 – 11.55 Main Findings of the Evaluation of the Pilot Program
David Annandale (Consultant, Canada)
- 11.55 – 12.05 Scaling Up SEA in Development Cooperation
Anders Ekbohm (Environmental Economics Unit, Gothenburg University, Sweden)
- 12.05 – 12.25 Questions and answers
- 12.25 – 12.45 Environmental Governance and Institutions
Urvashi Narain (World Bank, USA)
- 12.45 – 13.00 Questions and answers
- 13.00 – 14.00 Lunch
- Session 3: Break out groups**
Session chair: Daniel Slunge (Environmental Economics Unit, Gothenburg University, Sweden)
- 14.00 – 15.10 Groups will address four main topics as follows:
- a) Obstacles and enabling factors for SEA effectiveness in development cooperation and poverty reduction
 - b) The role of the World Bank on strengthening environmental governance and institutions for sustainable development
 - c) SEA as a tool for strengthening environmental governance and institutions
 - d) Main steps for scaling up SEA in development policy
- 15.10 – 15.30 Coffee break
- Session 4: Plenary**
Session chair: Rob Verheem (Netherlands Commission for Environmental Assessment, The Netherlands)
- 15.30 – 16.30 Reporting back from break out groups
- 16.30 – 16.45 Wrap up and conclusion
Rob Verheem (Netherlands Commission for Environmental Assessment, The Netherlands)
- 16.45 – 17.00 Next steps and closure
Fernando Loayza (World Bank) and Peter Croal (OECD SEA Task Team)

China Day Program: The State of SEA and EA in China

Saturday, 10 April | 09:00-18:00 | Room 2

AM SESSION: SEA AND EA IN CHINA: DEVELOPMENT AND PROSPECTS*Moderators**CHEN Jining, Executive President, Tsinghua University, Beijing, China**Dr. Stephen Lintner, President-Elect IAIA, Chief Safeguards Advisor, The World Bank*09:00 – 09:10 **Opening Remarks***Prof. Kin Che Lam, Chinese University of Hong Kong*09:10 – 09:40 **The State of SEA and EA in China: Recent Progresses on Regulation & Practices***Mr. ZHU Xingxiang, Director General, Department of EIA Management, Ministry of Environment Protection of P.R.C.*09:40 – 10:10 **The Development and Status of EIA System in China***Mr. REN Jingming (ACEE), Ministry of Environment Protection of P.R.C.*10:10 – 10:30 **SEA of Basin Hydropower Planning: The Present Status and Prospect***Mr. ZHOU Shichun, Planning Department of General Institute of Hydropower and Water Resources Planning & Design, P.R.C.*10:30 – 11:00 *Coffee break*11:00 – 11:20 **SEA of Urban Planning: Methodology and Case Study of Dalian***Prof. LIU Yi, Tsinghua University, Beijing*11:20 – 11:40 **The Contribution of EA in Addressing the Environment Challenges of China: A World Bank Perspective***Dr. Ede Jorge Ijjasz-Vasquez, Manager, Sustainable Development, World Bank Beijing Office*11:40 – 12:00 **SEA at the World Bank in China***SUN Chongwu, Safeguards Coordinator, World Bank Beijing Office, Juan Quintero, Senior Environment Engineer, East Asia Pacific, The World Bank, SUN Chongwu, Safeguards Coordinator, World Bank Beijing Office*12:00 – 13:15 **Panel Discussion: On the Prospects and Challenges ahead for SEA and EA in China***Susan E. Bromm, Director, Office of Federal Activities, U.S. Environmental Protection Agency**Dr. Nick Taylor, President IAIA, Director, Taylor Baines, New Zealand**Dr. Hussein Abaza, Chief Economist, United Nation Environment Programme**Dr. Larry Canter, President, Environmental Impact Training, USA**Dr. I. Fernando Loayza, Senior Environmental Economist, Environment Department, The World Bank*13:30-14:30 *Lunch break***PM SESSION: SEA OF FIVE MEGA-REGIONS IN CHINA***Moderators**LI Tianwei, Director of SEA Division, Ministry of Environment Protection of P.R.C.**CHEN Yongqin, Professor, Chinese University of Hong Kong*14:30 – 15:00 **SEA of Five Mega-Regions: Background, Framework and Outcomes***Prof. CHEN Jining, Executive President, Tsinghua University*15:00 – 15:20 **Evaluation of Cumulative Impacts and Ecological Risks in Mega-Regional SEA***Prof. LI Wei, Beijing Normal University*15:20 – 15:40 **Marine Environmental Impact Assessment in Mega-Regional SEA***Prof. HAN Baoxin, SCIES, Ministry of Environment Protection of P.R.C.*15:40 – 16:00 **Assessment for Sustainable Water Use in Mega-Regional SEA***Ms. WANG Yanan, Environmental Development Center, Ministry of Environment Protection of P.R.C.*16:00 – 16:30 *Coffee break*16:30 – 17:45 **Panel Discussion: On the Challenges of Completing and Moving Ahead the Mega Regional SEAs in China***Rob Verhem, Principal, Netherlands Commission for Environmental Assessment, The Netherlands**Prof Maria Rosário Partidário, IST – Technical University of Lisbon in Portugal**Dr. Nick Taylor, President IAIA, Director, Taylor Baines, New Zealand**Dr. Lone Kornov, Aalborg University, Denmark**Dr. Stephen Lintner, President-Elect IAIA, Chief Safeguards Advisor, The World Bank*17:45 – 18:00 **Wrap Up: SEA /EA in China – Experiences and Lessons from the Five Mega-regions and Other Ongoing Work***Prof. Kin Che Lam, Chinese University of Hong Kong**Dr. Ede Jorge Ijjasz-Vasquez, The World Bank*18:00 – 19:30 *Reception**Host: Sustainable Development, World Bank Beijing Office*

Exhibitors

BOOTHS

DHV Environment and Transportation

Golder Associates

NCEA (Netherlands Commission for EA)

TABLES

Edward Elgar Publishing

IAIA11

Book share

Delegate display

POSTERS

SIFEE

IAIA Affiliates: Spain, South Africa, New Zealand, IAIA-Italia, Portugal

IAIA Branch: Ireland-UK

About book share

Contribute one or two of your favorite environmental reference books, new or recycled, to the book share table. The books are available to take or trade on a first-come, first-served basis to delegates who might not readily find such books in their own locales.

About member display

A table is provided in the exhibit area for IAIA members to display information, distribute conference papers, or announce/distribute non-commercial items (leaflets, brochures, books, reports, etc.). The purpose of this table is to enhance the exchange of information. No commercial (sales) materials are permitted. Inappropriate materials are subject to removal.

Greening the conference (Part I)

Does IAIA practice what it preaches? Yes, and more so every year. IAIA takes the following steps (as practical and possible) to mitigate the impacts of our conferences:

- Limit printed materials; communicate via e-mail and web to the extent practical and possible
- Contract with venues that participate in green programs (e.g., hotels that provide a linen and towel reuse program)
- Use bulk servings and pitchers rather than individual bottles
- Use china and silverware rather than disposables
- Provide recycling bins for discarded paper products
- Ask delegates to confirm their attendance at events and functions to reduce waste and leftovers
- Provide evening sustainable dining options
- Encourage delegates to purchase carbon-offset credits for their flights
- Encourage delegates to return name badge holders

Delegates are welcome to make additional suggestions on the IAIA10 conference evaluation form (which will be distributed electronically to delegates following the conference) or by contacting IAIA HQ at any time.

Creating Shared Value
Nutrition | Water | Rural Development



Creating long-term value for both society and for our shareholders. This is what we mean by *Creating Shared Value*.

For more information on Nestlé's Creating Shared Value activities in Nutrition, Water and Rural Development, please visit:

www.creatingsharedvalue.org

JICA aims to contribute to the promotion of international cooperation as well as the sound development of Japanese and global economy by supporting the socioeconomic development, recovery or economic stability of developing regions.



**Japan International
Cooperation Agency**

<http://www.jica.go.jp/english/>



About IAIA

The International Association for Impact Assessment was organized in 1980 to bring together researchers, practitioners, and users of various types of impact assessment from all over the world.

IAIA members number over 2,500 and reside in over 120 countries. IAIA activities are carried out locally and regionally through its extensive network of Affiliates and Branches.

IAIA's Vision: IAIA is the leading global network on best practice in the use of impact assessment for informed decision making regarding policies, programs, plans, and projects.

IAIA's Mission: IAIA provides an international forum for advancing innovation and communication of best practice in all forms of impact assessment to further the development of local, regional, and global capacity in impact assessment.

IAIA's Values: IAIA promotes the application of integrated and participatory approaches to impact assessment, conducted to the highest professional standards.

IAIA believes the assessment of the environmental, social, economic, cultural, and health implications for proposals to be a critical contribution to sound decision-making processes, and to equitable and sustainable development.

IAIA as an organization promotes the following:

We compile or review impact assessments with integrity and honesty, and free from misrepresentation or deliberate bias.

Our personal beliefs should not interfere with fair representation of the potential impacts of policies, plans, programs, and projects.

We uphold the principle of freedom of access to information and the right of citizens to participate in decisions.

We subscribe to a holistic approach to impact assessment.

We seek sustainable and equitable outcomes from human actions that affect ecosystem and social functions.

We will seek to encourage a process of impact assessment that averts infringement of the human rights of any section of society.

We do not condone the use of violence, harassment, intimidation or undue force in connection with any aspect of impact assessment or implementation of an intervention arising from impact assessment.

We conduct impact assessments in the awareness that different groups in society experience benefits and harm in different ways. We seek to take gender and other social differences into account, and we are especially mindful of the concerns of indigenous peoples.

We strive to promote considerations of equity as a fundamental element of impact assessment.

We give due regard to the rights and interests of future generations.

We strive for excellence by maintaining and enhancing our own knowledge and skills, by encouraging the professional development of co-workers, and by fostering the aspirations of potential members of the profession.

We do not advance our private interests to the detriment of the public, our clients or employing institutions.

ANNUAL GENERAL MEETING

Friday, 9 April | 12:40-13:30 | Room 2

This is the annual business meeting of the Association. All meeting participants are encouraged to attend, learn more about the operation of the organization, and ask questions.

2010 AGM Agenda

1. Welcome, introductions, and confirmation of 2009 AGM minutes.
2. IAIA 2009/10: What have we done and where are we going?
3. Money matters.
4. IAIA Presents Excellence: Rose-Hulman and Outstanding Service Awards
5. Any debate? Items submitted in writing by members.
6. Have your say: Informal discussion of matters that members wish to raise.
7. Closing remarks.

COUNCIL MEETING

Saturday, 10 April | 12:40-13:30 | Room 18

The IAIA Council serves as an advisory resource to the IAIA Board of Directors. The Council is composed of the Board, all Committee chairs, Section chairs, representatives of Affiliates and Branches, the CEO and Headquarters representatives, and the Conference Program Chair(s) for the current-year conference and any future known conferences. Council meetings are open meetings; all IAIA members are encouraged to attend.

NOTES



General tips and information

■ Definition of conference terms

Annual Conference: An extended collection of IAIA and IAIA-related events within a week to two-week time frame, including special meetings, technical visits, short courses, and social events.

Annual Meeting: The core of the annual conference; typically 3-4 days devoted to plenaries, concurrent sessions, and IAIA business.

Session: A block of time during which presentations are made on a single topic.

Theme forum: Smaller than plenaries and larger than concurrent sessions, theme forums bring together on a particular topic the various aspects of impact assessment and examine how those aspects apply to different sectors and issues.

Concurrent thematic session: A session that is specifically oriented toward the conference theme on the role of impact assessment in transitioning to a green economy.

Concurrent sessions: Sessions running in parallel, during which approved papers are presented by authors and discussed by participants.

Paper presentation: The oral summary of a paper within a session.

Poster: Visual presentation of a paper or project by means of graphics, photos, data, and a small amount of text on a display area. Posters are self-explanatory, but poster authors are available to answer questions during the session dedicated to poster viewing.

Paper session: A chaired paper session allows up to 4-5 presentations on a related topic. Depending upon the number of presentations, each presenter is typically allocated 15-20 minutes, including time for specific questions. Ideally, time is also be allocated following the presentations for more general questions and open discussion.

Workshop: A workshop is similar to a paper session except that more time is allocated for general discussion following the presentations. This means that there may only be 2-3 presentations and/or presentations may be shorter.

Panel discussion: Similar to a workshop, except that panel members are invited, and ideally represent different viewpoints on the topic at hand. Following brief presentations, panel members debate issues and respond to questions put forward by members of the audience in a chaired discussion.

Roundtable: Involves a group of individuals, some of whom may be invited, holding an informal discussion on a specific topic or problem, with no formal presentations.

Practitioners' Exchange: Primarily a discussion session that provides an opportunity for up to 8 conference participants to present a brief overview of their work and network with others.

Indaba: For issues that arise during the conference and that practitioners want to pursue through informal follow-up discussions. During the morning, participants post potential topics for discussion, and individuals interested in each topic sign up for the related discussion. If a topic generates sufficient interest, space is made available for the discussion to take place in the late afternoon.

■ How to get the most from this conference

- **Inform, prepare, and orient yourself.** Check in early and then take time to walk through the venue to familiarize yourself with locations of activities before the rush of the conference begins. Read through the program carefully and highlight the sessions you want to attend. Read the summaries and prepare questions for the speakers.
- **Make a goal sheet.** Why did you decide to register for this program? What is it you expect to gain? Take a moment to think about your goals. Then clarify them by writing them down in your program. Look over your goal page throughout the conference; it will help you keep your goals focused.
- **Meet other people.** This is an excellent opportunity to expand your network of contacts. Sit next to someone you don't know, even if you've come with a group. Mingle during the breaks. Exchange business cards. Every participant here has a specific area of expertise; find out what it is instead of chatting about the weather. Let us suggest that one of your goals be to meet at least one person each day whom you intend to communicate with again on a business or social basis.
- **Participate!** Ask questions. Make contributions. Actively participate in the exercises. Consider the meeting room to be a "mental gym" where it's okay to run, fall, and get up again. You'll benefit much more by participating in the game than sitting on the sidelines.
- **Relate what you learn to yourself.** Don't settle for "abstract" knowledge. Have your current problems, conflicts and interests foremost in your mind. As you learn new approaches and techniques, relate them to your own situation.
- **Make a commitment to review your notes.** Right now, take out your calendar and make a one-hour appointment with yourself in a few weeks to "retake" the program. Don't put your good ideas away with your notes. And consider reviewing your notes each evening during the conference while your ideas and enthusiasm are fresh.
- **Write a "Dear Boss" letter.** If your boss or company sent you to the conference, thank them with a letter. Include a list of your action ideas based on your action plan and goals - what you intend to do or change as a result of what you have learned. If you paid your own way, still send the letter. It will show how committed you are to your own professional growth.
- **Enjoy yourself.** Start relaxed (rest and rehydrate to help recover from jet lag) and you'll leave refreshed, inspired and recharged. Forget about what's happening at the office. This is your conference. Get all you can out of it.

■ Publications

Participants list: A list of pre-registered participants is provided in the delegate packets. A final list of participants will be posted online following the conference.

Proceedings: IAIA will be publishing sector and session chair reviewed and peer reviewed papers online following the conference.

Journal: Participants are encouraged to submit their papers for possible publication in IAIA's journal, *Impact Assessment and Project Appraisal*. See www.scipol.demon.co.uk/iapa.htm for submission information.

■ Presentation equipment

LCD (PowerPoint) projectors and laptop computers are provided in each session room.

Presenters were responsible for arranging and paying in advance for any other equipment needed for their presentations by 1 March. Availability of equipment for on-site requests is not guaranteed, and payment is required at the time of request.

Presenters load their own files on the laptops provided; this should take no more than 2 minutes. For security reasons, the session rooms and laptops may not be available until the break just prior to the start of the sessions, so plan to load your presentation during the break preceding your session. PowerPoint files should be saved to memory stick. Preparation of files on a Mac computer is not recommended. Testing of a Mac presentation on an IBM or HP should have been done prior to arriving at the conference, and Mac presenters must provide their own VGA connectors.

■ Video/Audio policy

Individuals officially identified by IAIA may photograph, videotape, and/or audiotape conference events. By attending the conference, you agree to allow your image to be used by IAIA.

During the session and abstract submission process, session conveners and presenters indicated their permission for audio recordings of their sessions or presentations to be broadcast online by IAIA; those preferences will be honored.

Individuals are not permitted to record with personal audio or video equipment or other recording devices such as cell phones, cameras or recorders without prior permission from IAIA.

■ CIG hours and food/beverage policy

The CIG's closing time is 19:00. On days where no evening function is scheduled after 19:00, we ask your cooperation in vacating the building by 19:00. The rental fee IAIA will be charged for overtime would be better spent on services and resources!

No food and beverage is allowed in the meeting rooms, except as specifically arranged with the venue and caterers.

■ Business services

Presenters are responsible for supplying their own session or poster materials. Because of high rental costs which would necessarily be passed on to all delegates in the form of higher registration fees, IAIA does not provide copying, printing, computers or other business services on-site. If you need these services, please check with the CIG reception desk or your hotel.

■ Meals

Based on the data collected via registration forms, IAIA has estimated a percentage of vegetarian or special meals. This does not guarantee accommodation of individual preference.

Tickets for meals are provided upon check-in.

■ Registration and fees

All conference participants, including delegates, sessions chairs, invited speakers, organizers, exhibitors, and paper and poster presenters, are required to register for the conference at the full, student, or exhibitor registration rate.

Full and student registration fees entitle delegates to attendance at all sessions, coffee breaks, lunches 8-10 April, participants list, delegate satchel, online conference proceedings, and special events, unless an additional fee is noted.

■ Name badges

All conference participants, including speakers, exhibitors, and media, receive a name badge at check-in. The badge is your official pass and must be worn to ensure entrance to conference activities.

■ Payment and refund policies

Fees are accepted by MasterCard, Visa, or American Express and are charged in US dollars (USD). Checks or money orders made payable to IAIA in USD drawn on a US bank are also accepted.

Any registration after 17 March must be made on-site. Registration receipts are issued by mail only. Official receipts for registrations made after 17 March will be issued by mail after the conference.

IAIA will refund registration fees upon written request received before 1 March. A US\$75 processing fee will be retained. After 1 March, no refunds will be issued for cancellations or no-shows. Substitutions for paid registrants may be made in writing without financial penalty. Refunds will be issued after the conference.

■ "Quickpass to the Fast Lane"

All conference participants whose registration and fees were received by 29 January were mailed a purple "Quickpass." Look for purple signs designating the Quickpass registration desk and show your Quickpass for express check-in!

■ Insurance and Liability

IAIA, the organizing committee, and the venue will not be responsible for medical expenses, accidents, losses or other unexpected damage to property belonging to conference participants, either during or as a result of the conference and during all tours and events. Participants are strongly advised to arrange their own insurance for health and accident, lost luggage and trip cancellation.

■ Information Desk

The Geneva Tourism & Convention Bureau will host an information desk in the CIG lobby on Thursday, 8 April, and Friday, 9 April, from 12:00-14:00.

■ Conference Evaluation

An evaluation form will be sent electronically to all participants following the conference.

■ Language

English is the primary language used at IAIA conferences.

■ Transportation

You can pick up a free ticket for public transport from the machine in the baggage collection area at the airport Arrival level. This Unireso ticket, offered by Geneva International Airport, allows you to use public transport in Geneva free for a period of 80 minutes.

Trains between the airport and the central train station run approximately every 10 minutes. Many IAIA10 hotels are located quite close to the central station.

Many hotels, youth hostels, and campsites offer the "Geneva Transport Card" that allows you to use public transport in Geneva free of charge during your stay. Ask your hotel for information.

■ Business hours

In Geneva shops open at 09:00 and close at 19:00. Everything is closed on Sunday; some shops are closed on Monday. On Thursday night you will enjoy the "Nocturne" when all the major shops are open until 21:00.

■ Tipping

Prices in hotels, restaurants, taxi fares, etc., are calculated to include taxes and service. A tip, therefore, is not indispensable, but justified for good service.

■ Smoking

Smoking in public places is prohibited.

■ Taxes

Value Added Tax rates in Switzerland:

- 7.6% standard rate
- 2.4% reduced rate (e.g., food, medicine, newspapers, books)
- 3.6% lodging services





31st Annual Meeting of the International Association for Impact Assessment

28 May - 4 June 2011
Puebla, México

First announcement and call for sessions

Program

In addition to conference sessions, workshops, and training courses, you will also be able to choose technical visits, sightseeing tours, networking opportunities, and more.

The preliminary program and registration materials will be available on the web site and from IAIA HQ in October 2010.



International Association for Impact Assessment

Impact Assessment and Responsible Development for Infrastructure, Business and Industry

Conference theme

What are the consequences to ecosystems, cultural heritage and human well-being -in the short and long run- of decisions taken by infrastructure developers, industry executives and managers, financial agents and business leaders?

Today we know much more about the environmental and social effects related to decisions taken in these sectors and their implications to humankind, especially the poorest and most defenseless people.

Impact assessment comprises a set of tools that strengthen the sense of responsibility in business and investments and in the design and execution of policies, plans, programs and projects. Responsible development means to assess in an integral way the impacts on the environment and on communities, human health, and well-being. Infrastructure and industrial projects as well as business undertakings (in the financial and retail sectors, for instance) should be developed under this responsible point of view, from the early conceptual stage of each project until the end of its utilitarian life.

Since we share a common world, we should be able to identify common objectives for responsible development, in which each sector of the economy becomes aware of the effects of its decisions. At IAIA11, ideas and experiences on this theme will be shared by experts from around the globe, with the end result being a better collective knowledge about how to ensure a better future.

Conference topics

IAIA11 participants will be encouraged to highlight how the various instruments of impact assessment can assist infrastructure developers, industry, decision-makers, financial institutions, retail development, development cooperation providers, and the public. Areas of interest will include:

- Energy
- Corporate social responsibility
- Water and coastal zone management
- Climate change (mitigation and adaptation)
- Cultural heritage
- Transportation
- Agriculture, forestry and fisheries
- Extractive industry
- Sustainable production and consumption
- Tourism
- Integrated project appraisal
- Land use planning
- Health and pharmaceutical sectors
- Public health and community development
- Indigenous knowledge in impact assessment
- Environmental impact of trade agreements
- Environmental practice and governance in Latin America and the Caribbean
- Environmental compliance and enforcement

About Puebla

The city of Puebla is the capital of Puebla State, Mexico, and is just a two-hour drive southeast of Mexico City.

In 1987 UNESCO designated Puebla a World Heritage City. The convention center is on the east side of the district where the majority of historic sites are found, as well as El Zócalo, the central square.

Museums abound, as well as several richly decorated cathedrals. Many other interesting places are close by, including:

Cholula: Ancient Cholula has been for centuries a major center for Mesoamerican trade, commerce and religion. A great city once stood at the foot of what appears to be an earthen hill located about 8 km west of Puebla. This hill is, in fact, the largest pyramid ever built, covering over 46 acres. Called the Great Pyramid of Teapanapa, it was constructed in successive stages over an 800-year period (1-800 A.D.).

Africam Safari: This amazing zoo and wild animal park is home to more than 3,000 animals from 250 species. The park is divided by regions that house wildlife from Asia, Africa, and North America.

Cantona: This archaeological site is located 96 km east of Puebla and dates from the Classic/early Post-Classic period of the Olmec-Xicalanca culture (600-950 A.D.).

For more information on Puebla

<http://mexicofile.com/discoverpuebla.htm>

www.theculturedtraveler.com/Heritage/Archives/Puebla.htm

<http://travel.nytimes.com/2008/03/09/travel/09hours.html?ref=travel>

And for more than you may want to know about mole

<http://travel2.nytimes.com/2006/11/17/travel/escapes/17mole.html?ref=travel>

About UNEP

UNEP is the United Nations system's designated entity for addressing environmental issues at the global and regional level. The mission statement of UNEP is to provide leadership and encourage partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations.

Six priority areas define UNEP's focus on the environmental challenges of the 21st century:

- Climate change
- Disasters and conflicts
- Ecosystem management
- Environmental governance
- Harmful substances
- Resource efficiency



UNEP's Green Economy Initiative (GEI) is designed to assist governments in "greening" their economies by reshaping and refocusing policies, investments and spending towards a range of sectors, such as clean technologies, renewable energies, water services, green transportation, waste management, green buildings and sustainable agriculture and forests.

Greening the economy refers to the process of reconfiguring businesses and infrastructure to deliver better returns on natural, human and economic capital investments, while at the same time reducing greenhouse gas emissions, extracting and using less natural resources, creating less waste and reducing social disparities.

Initially envisioned as a two-year project, the GEI has been expanded to include a number of related UNEP and UN-wide initiatives focused on providing macroeconomic evidence for significantly increasing investments in the environment as a means of promoting sustainable economic growth, decent job creation, and poverty reduction.

GEI activities include providing advisory services to countries interested in greening their economies, producing research products, such as The Green Economy Report, The Economics of Ecosystems and Biodiversity series of reports, and the Green Jobs Report, and engaging partners to effectively promote and implement green economy strategies.

www.unep.org/greeneconomy

Greening the conference (Part II)

A key goal of the IAIA 2010 Organizing Committee is to make sure we arrange a green conference, based on principles of sustainability.

This year, with the help of the city of Geneva and SIGG, we have launched the zero plastic bottles initiative in order to lower our carbon foot-print from plastic waste, recycling and logistics. Instead of plastic bottles, each delegate will be issued with a reusable environmentally friendly drinking bottle which can be refilled at various points around the conference centre. In addition, all disposable cups and glasses have been replaced with reusable mugs and glassware.

Furthermore, the CIGG will select and recycle all of the conference's resources. This will be especially relevant to our catering service, MIP, a company that adheres to the environmental requirements set up by the ISO and that is committed to obtaining the ISO14001 certification. For example, each product on our catering menus has been carefully selected from among our local producers in order to support local sustainable agriculture and reduce carbon emissions through transit.

We have also provided delegates with reusable conference bags made from organic cotton and produced by Eko Sustainable Textiles, an ethical manufacturer committed to green principles.

The Organizing Committee has also worked to ensure that paper usage has been kept to a minimum through electronic documentation and web-based communication. Where paper has been necessary, only recycled has been used.

Finally, we have carefully selected a central venue for this year's conference, so our delegates can use public transport, thus reduce the overall carbon footprint related to travel. For those delegates traveling from further away, IAIA has listed local and international carbon-credit companies on their website in order to off-set carbon emissions: <http://www.iaia.org/iaia10/documents/pdfs/green-travel-10.pdf>.

The Organizing Committee for IAIA 2010 would like to thank all the participants, companies, and organizations in this year's conference that have helped to make this a Green Event.

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Thank you

IAIA gratefully acknowledges these companies and organizations for their generous financial and in-kind support of IAIA10.

By sharing their resources, these companies and organizations demonstrate their commitment to the environment and contribute to the improvement of impact assessment around the globe.

When you meet a representative of these sponsors, at the conference or in the months ahead, please be sure to thank them for their contributions.

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