



IMPACT ASSESSMENT: THE NEXT GENERATION

33rd Annual Conference of the International Association for Impact Assessment

13-16 May 2013
Calgary Stampede BMO Centre
Calgary, Alberta, Canada



Calgary skyline. Photo courtesy of Meetings & Conventions Calgary.

- **Preliminary program and registration materials**
- **Call for papers and posters**
- **Submission deadline: 31 December 2012**



LOCAL HOST AND ORGANIZER



IAIAWNC
International Association
for Impact Assessment
Western & Northern Canada



Canadian Rocky Mountains. Photo courtesy of Calgary Economic Development.

IN ASSOCIATION WITH

OAIA

Ontario Association
for Impact Assessment

AQÉI

Association Québécoise
pour l'Évaluation d'Impacts

PROUD PROGRAM SPONSOR



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What did delegates say was the best aspect of IAIA12?

- "Exposure to international experiences."
- "Information for starting some work in an area which is not my field."
- "A one-of-a-kind experience that was an excellent platform to present my work, meet EIA experts from all around the world, and make new contacts."
- "I took away new ideas and visions of how to sort out some problems."
- "Can't wait for Calgary!"

Can you afford to miss IAIA13?

Why attend IAIA13?

IS THIS YOUR 1ST, 5TH, OR 30TH IAIA CONFERENCE?

What an opportunity! Where else can you gather to hear perspectives in impact assessment from 90+ nations—all in one place?

Be prepared for some out-of-the-box thinking, applying solutions developed across the world to your little corner of it. Because impact assessment is such a dynamic field, you are sure to learn something new every year.

WHO WILL BENEFIT FROM IAIA13?

- Policy makers and decision makers
- Corporate, industry, and foundation leaders
- Practitioners and users of IA
- Government agency staff
- Educators, trainers, and students
- Consultants
- Legislators
- All others with an interest in impact assessment

WHY SHOULD YOU ATTEND IAIA13?

- **Networking:** expand and maintain contacts with your peers, clients, and those who conduct, evaluate and require IAs.
- **Education:** explore current best practice principles, recent tools and techniques.
- **Options:** choose from numerous and diverse training courses, theme forums, technical visits, and over 90 sessions ranging from interdisciplinary approaches to topic-specific workshops.
- **Inspiration:** attend and participate in stimulating and thought-provoking discussions.
- **Innovation:** learn about cutting-edge IA theory and practice from around the world.
- **Dissemination:** present your work and receive international feedback.
- **Enjoyment:** participate in one or more of many social events in a unique and beautiful city.

WHY ARE IAIA CONFERENCES SPECIAL?

- IAIA is the only international, interdisciplinary conference dedicated to the art and science of impact assessment ... *the only one*.
- Exclusive mix of high-level speakers representing many areas of expertise and interest.
- A very participatory conference: numerous in-depth workshops, roundtables, Q&A sessions, forums, and concurrent sessions mean you can participate actively and present your work and ideas.
- Access to training, papers, publications, tools, techniques, and case studies.

MEMBERSHIP BENEFITS

If you pay the non-member conference rate, you automatically become an IAIA member and can immediately enjoy membership benefits, including:

- Electronic subscription to IAIA's quarterly journal, *Impact Assessment and Project Appraisal (IAPA)*, plus IAIA's monthly e-news and quarterly newsletter packed with the latest IAIA news.
- Networking tools, including a searchable membership directory and access to IAIAConnect, IAIA's professional networking, communications, and collaboration tool—so international expertise is only a click away.
- Valuable publications and reference materials.
- Special rates on job postings at Career Central (<http://www.iaia.org/careercentral/>).
- And more!

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 reside in over 120 countries. IAIA activities are carried out regionally and locally through its 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 the 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 of proposals to be a critical contribution to sound decision-making processes, and to equitable and sustainable development.

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Invitation to attend



Miles Scott-Brown
Co-Chair, IAIA13



Richard Roberts
Co-Chair, IAIA13



Luis E. Sanchez
President, IAIA | University of São Paulo

As co-chairs of IAIA13 and on behalf of the entire local organizing committee, we give you a warm welcome to this year's conference and to Calgary, the heart of the new West.

During your stay we hope that you take in the wonderful sights the city and the region have to offer, participate in one or more of the excellent trips we have planned around the conference, and enjoy the warm western hospitality for which Calgary is renowned. We also want to bring your attention to the theme of this year's IAIA conference: "Impact Assessment: The Next Generation."

This year's theme has two parts: How after more than forty years will impact assessment respond to the global ecological, regulatory and economic challenges now very much in front of us; and how can we as current IA practitioners help foster the continued development and growth of the next generation of practitioners?

We think Calgary is well placed to host this conference and this year's theme. The city is a home to a thriving IA practice at many levels: from a municipal government of more than a million inhabitants committed to sustainability and growth, to a well-developed local private IA consultancy that also spans the globe, to an energy industry responding to challenges of oil sands development, to a provincial and federal regulatory process that itself is in the midst of change.

We look forward to seeing you at IAIA13 in Calgary next May and to hearing from you and experiencing your contribution to Impact Assessment: The Next Generation.

We look forward to seeing
you in Calgary!



Source: Calgary Stampede. Photo by Chris Bolin.

I am pleased to invite you to attend the 33rd annual conference of the International Association for Impact Assessment that will take place in the beautiful city of Calgary. "Impact Assessment: The Next Generation" is an exciting theme that can be approached under several perspectives.

The Western and Northern Canada IAIA Affiliate, in association with Ontario and Quebec Affiliates, is preparing an exciting set of activities that will appeal to both the novice and the experienced in impact assessment.

Enjoy the opportunity to participate in one of the technical visits or to attend the pre-conference short courses. Visits were carefully selected by the organizing committee, and they encompass several interesting undertakings to be explored in the beautiful scenery surrounding Calgary, together with opportunities to interact with our Canadian hosts.

A mix of innovative approaches, up-to-date issues in impact assessment, and the always-popular topics on fundamentals of impact assessment were selected by IAIA's Training and Professional Development Committee to provide this year's menu of pre-meeting courses.

Consider submitting an abstract and presenting a paper or poster. Several concurrent sessions will feature papers from both researchers and practitioners from all over the world. Quite often, impact assessment professionals face similar problems in different jurisdictions. Inspiration and insights can frequently be found when different experiences mix.

Research on impact assessment, interdisciplinary by nature, finds IAIA conferences as the ideal forum to discuss methodological issues as well as to test conceptual and theoretical advances against the rigors of practical challenges.

The next generation of impact assessment researchers and practitioners is already here. For a number of years, IAIA has been developing a program to facilitate the participation of students and early professionals in its annual conferences and special events. This year is no exception, and the new generation is welcome.

The organizing committee is doing a wonderful job preparing an exciting conference. I look forward to seeing you in Calgary.

Ways to participate

TRAINING COURSES

IAIA13 offers a wide range of exceptional pre-meeting training courses, with several one- or two-day options on 11-12 May. See page 24 for course descriptions and registration information.

SPECIAL AND SOCIAL EVENTS

Social events such as the welcome reception, banquet, and more provide wonderful networking opportunities, local color, a chance to meet new people and to connect with long-time friends. Plan to participate in as many of these events as you can fit into your week.

OPENING SESSION

The opening session will include addresses by high-profile keynote speakers and representatives of the host country.

THEME FORUMS

Theme forums are "cut-above" presentations and discussions which draw together major threads of the conference theme. For more information, see page 9.

CONCURRENT THEMATIC SESSIONS

Each day of the conference will offer topical tracks related to the conference theme.

CONCURRENT SESSIONS

A number of presentations related to impact assessment, but not necessarily related to the theme of the conference, will be offered. Many of these sessions will be specific to IAIA's special-interest Sections and will highlight topics in their areas of interest or follow up with sessions from IAIA12 and previous years.

INDABA

IAIA provides space for impromptu discussions and "pop-up" topics in unanticipated/unscheduled areas of interest. "Indaba" sessions, from a concept first introduced at IAIA95 in South Africa, are held at the end of each day, with the opportunity to "schedule" your topic throughout the day. The informality and spontaneity guarantee a lively end to each day's sessions.

POSTER SESSION AND EXHIBITS

Every conference sees an increasingly sophisticated presentation of posters and professional exhibitions. IAIA13 will not disappoint. Information about the poster session is on pages 8 and 23, and information for exhibitors is on page 35.

FIND A JOB

Check the bulletin board for job postings. See page 34 for more information.

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. See the IAIA Web site for information about the Committees and topical-interest Sections (see page 36 for a list of Sections). Everyone is welcome to attend Section meetings and informal Section gatherings during lunch. Check the final program schedule for meeting times and plan to attend the Section meeting of your choice. 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 meeting participants are encouraged to attend. You will meet the IAIA Board of Directors and hear reports from the Treasurer and the President on the state of IAIA.

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, all Section chairs, representatives of Affiliates and Branches, the CEO and Headquarters representatives, 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.

IAIACONNECT

Get more out of the conference before during, and after the program using *IAIAConnect*, IAIA's online professional networking community.

New to *IAIAConnect*? Join us at an informational session if you would like to learn more about how it works and how it can benefit you. Bring your questions, and we will walk through online discussions, sharing resources, and finding other members with similar interests. We can even take your photo and upload it to your profile!



TECHNICAL VISITS

See page 32 for the variety of IAIA13 technical visit options. Technical visits are offered before and after the conference proper, providing an additional opportunity to learn, participate, and meet new people on a one-to-one basis.

CLOSING PLENARY

How can you integrate the dozens of ideas, topics, challenges and debates of an entire week? How can you apply lessons learned to the way forward in impact assessment? How can you hear about the main findings of sessions you weren't able to attend? Come and listen, participate, and be motivated.

AWARDS

IAIA's awards are presented throughout the conference. Who will win the prestigious honors associated with the annual IAIA awards?

GREEN YOUR TRAVEL

IAIA takes steps to reduce the impact of our conferences, such as limiting printed materials, contracting with venues that provide green programs, using bulk servings, and more. See the IAIA13 Web page (Helpful Links > Green Travel) for carbon offset program suggestions to green your travel.

AND MORE...

See the pages that follow for details and check the IAIA Web site for continuing updates (www.iaia.org).

IMPACT ASSESSMENT: THE NEXT GENERATION

The conference theme embraces the impact of current global change now and in the coming decades and how impact assessment (IA) itself will evolve as a result. The “next generation” refers both to a new generation of practitioners and to new approaches to IA practice internationally to address issues of global concern.

The next few decades are seen as a nexus of environmental effects to the global commons (e.g., climate change, biodiversity, soil degradation and loss, ocean productivity, loss of Aboriginal cultures) coupled with increased urban, human and economic development. These global changes have profound implications to the trajectory of IA and of nations. You, as a participant in this conference, need to be part of this new future.

The theme focuses on emerging trends in IA while encouraging and motivating the participation of the next generation of practitioners. It will be both meaningful and useful to IA practitioners in many countries and in different sectors.

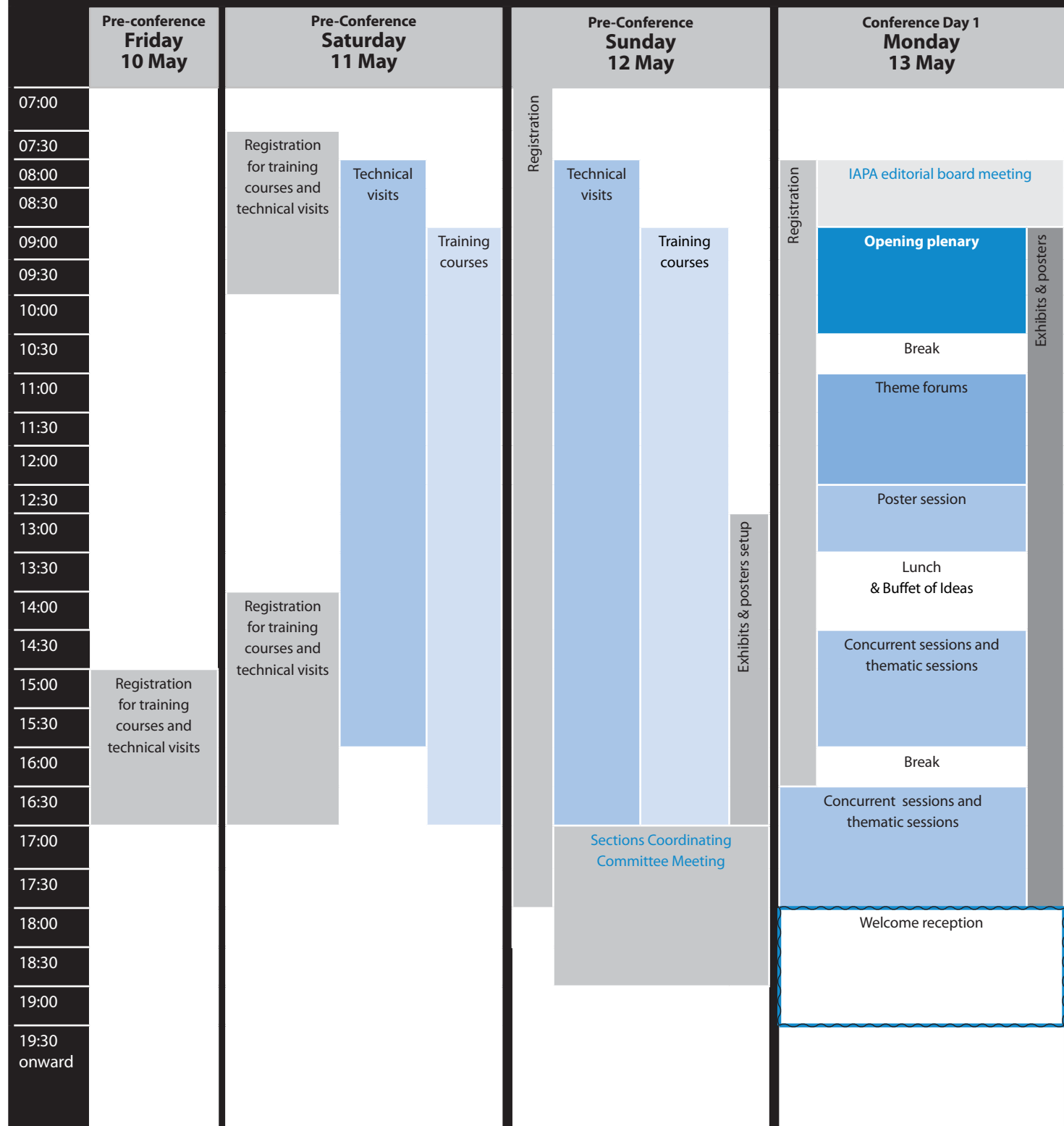


Conference overview

- The conference will formally commence on Monday, 13 May.
- Training courses (page 24) and special meetings (page 31) will be offered 11, 12, and 16 May.

Tentative Program Overview

Check the final program for confirmed dates, times, and events.



Conference overview

- Diverse social activities (page 34) and technical visits (page 32) will be available throughout and following the conference.
- The welcome reception will take place on Monday, 13 May, and the banquet will be held Wednesday, 15 May.

Conference Day 2 Tuesday 14 May		Conference Day 3 Wednesday 15 May		Conference Day 4 Thursday 16 May		Post-Conference Friday 17 May		
			Fun Run					07:00
Registration		Registration		Registration			Technical visits	07:30
	Theme forums		Theme forums		Concurrent sessions and thematic sessions			08:00
	Exhibits & posters		Exhibits & posters		Exhibits & posters			08:30
	Break		Break		Break			09:00
	Concurrent sessions and thematic sessions		Concurrent sessions and thematic sessions		Closing plenary IAIA Presidential Address IAIA13 report & summary Introduction to future IAIA meetings			09:30
	Annual General Meeting		Council meeting					10:00
	Lunch & Section rendezvous		Lunch & Section rendezvous					10:30
	Concurrent sessions and thematic sessions		Concurrent sessions and thematic sessions					11:00
	Break		Break					11:30
	Concurrent sessions and thematic sessions		Concurrent sessions and thematic sessions		World Bank Group Day			12:00
	Committee & Section meetings		Committee & Section meetings					12:30
	Indabas & practitioners exchanges		Indabas & practitioners exchanges					13:00
	Dine Outs		Banquet					13:30
								14:00
								14:30
								15:00
								15:30
								16:00
								16:30
								17:00
								17:30
								18:00
								18:30
								19:00
								19:30 onward

Abstract Submission

ABSTRACT SUBMISSION DEADLINE

31 December 2012

PRESENTING AUTHOR REGISTRATION DEADLINE

15 February 2013

LANGUAGE

English

SEND SUBMISSION ONLINE

Only materials sent online will be reviewed by the program committee.

Follow the abstract submission instructions at www.iaia.org > IAIA13 > Submissions.

Upon successful submission, you will receive immediate notification. Please save this notification for future reference. If you do not receive automatic confirmation that your submission has been received, do not assume it has successfully been submitted. Please try again, or contact HQ for assistance immediately—do not wait until the deadline submission deadline.

ACCEPTANCE AND REGISTRATION

Presenting authors will be notified on or before 1 February 2013 regarding the status of their submissions.

To guarantee inclusion of the presentation on the final program, the presenting author's registration form and full fees must be received at IAIA Headquarters by 15 February 2013. At that time, accepted submissions will be dropped from the program if the presenting author's registration and fees have not been received.

ABOUT DEADLINES

The conference preparation schedule has been carefully timed to address feedback from delegates asking to move timelines earlier and to allow sufficient time for reviews, registration, program preparation, paper reviews and more. Out of fairness to delegates who abide by deadlines, to make the best use of our volunteer committee members' time, and to uphold IAIA's professionalism and credibility, **IAIA and the IAIA13 program committee will be making a concerted effort to enforce deadlines. Please note important dates** in the preliminary program and in correspondence you receive from organizers, **mark your calendar**, and **plan ahead**.

Please do not wait until the last minute to submit your abstract. Potential problems may include

- Overloaded server, if too many people are trying to submit in the last day or two
- Weather or other factors that may affect local power sources
- Time zone confusion; holiday schedules
- Computer crash or loss of files
- Inexperience with the submission process that may require assistance from the IAIA staff
- Miscommunication with fellow authors; unexpected workload

As the submission deadline will not be extended for any reason, IAIA and the IAIA13 program committee advise you to act now and be sure your proposal is successfully submitted before 31 December.

Questions regarding the submission process can be directed to jen@iaia.org prior to 31 December. In fairness to others who complete submissions before the deadline and due to the short time frame in which submitted abstracts are reviewed, inquiries received after 31 December will not be acknowledged.

TIPS FOR CONCURRENT SESSION PAPER PRESENTERS

Many papers will be presented during the concurrent sessions. In order for all presenters to have an opportunity to speak, and to allow quality time for the speakers and audience to discuss the topics, please note the following presentation guidelines:

- Your key messages or discussion points should be clear and well formulated. Limit the number of messages/discussion points (4 points or less).
- IAIA recommends that you take with you to your session approximately 30 copies of a one-page bulleted outline of your presentation that also includes your contact information. During your presentation, this handout will facilitate communication with delegates whose native language is not English, and it will allow individuals to contact you following the conference.
- Keeping in mind that many of your audience are not native English speakers, time your presentation by speaking slowly and clearly. Avoid acronyms and jargon.
- Your speaking time is limited and agreed up front and will depend on the format of your session. The chair is instructed to give you a sign near the end of your time. When your time is up, you will be requested to stop speaking out of respect for your fellow speakers, your audience, the chair and the organizers.
- Remember, you do not have to use a PowerPoint presentation—a well-prepared oral presentation can be just as effective. If you choose PowerPoint, please limit the presentation to six easily readable slides. Each slide should contain no more than six bullets, each preferably not containing more than six words. Remember and please stick to the 6 - 6 - 6 rule.
- Some helpful sites for more tips on how to make a good presentation:
 - www.to-done.com/2005/07/how-to-give-a-great-presentation/
 - <http://esl.fis.edu/learners/advice/speech.htm>
 - www.accuconference.com/resources/effective-presentations.aspx.

ABOUT POSTERS

Posters are a creative and popular alternative to the oral presentation of a paper. In a poster session, there is no formal oral presentation; instead, each author is assigned a display area on which diagrams, graphics, data, pictures/photos, and a small amount of text are presented. The poster should be self-explanatory, but the author should be available at certain times, such as refreshment breaks and during the dedicated poster session, to interact with viewers and answer questions.

IAIA recognizes excellence in poster presentations by selecting Best Poster (Judges' Choice) and Best Poster (Public Choice) during the conference. Winners are acknowledged throughout the conference with ribbons on the poster designating their "Best" status, and authors are awarded certificates and listed in the newsletter. Authors may also be invited to publish their poster papers in *Impact Assessment and Project Appraisal*.

Guidelines for poster presenters

Each poster presenter is assigned one space on a flat, upright panel. Presenters are required to use the panels provided by IAIA and to provide the materials to put their posters in place (e.g., blue gum or removable double-sided tape) and to hold handouts (e.g., a large envelope). If you need more than one poster space, contact IAIA HQ by 31 March 2013 for price information.

Advertising is not permitted.

Posters will be on display from Monday, 13 May, until Thursday, 16 May.

Additional poster preparation information and judging guidelines are available on the IAIA Web site (www.iaia.org > IAIA13).

ABOUT CONFERENCE SESSIONS

A **session** is a block of time, typically 90 minutes, during which discussion centers on a particular topic. A **thematic session** refers to a session that is specifically oriented toward the conference theme.

Sessions and thematic sessions may utilize a variety of formats, and the length of time available for presentations depends on the format that has been selected by the session chair. Session formats include:

Theme forum: Smaller than plenaries and larger than concurrent sessions, Theme forums include “cut-above” presentations and discussions which address the conference theme, bring together on a particular topic the various aspects of impact assessment, and examine how those aspects apply to different sectors and issues.

Paper session: In a Paper session, authors orally present the findings of a prepared paper or project. A chaired Paper session typically allows 4-5 presentations of 15-20 minutes each, including time for specific questions. Ideally, the chair allocates time for general questions and open discussion following the presentations.

Workshop: In a workshop, the topic is specific and seeks to resolve a defined problem, often through a combination of 2-3 short paper presentations and active discussion.

Panel discussion: In a panel, the speakers are invited. The chair introduces each speaker and puts each talk in perspective. Each speaker gives a brief (10-15 minutes) prepared presentation, usually presenting a different view or experience on the topic, followed by debate between the speakers and questions from the audience facilitated by the chair.

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.

Debate: A debate takes place between two or more opponents who are experts in their fields as well as being entertaining presenters. The debate topic is clearly defined in terms of a question, with one side presenting the affirmative case and the other the negative case.

Pecha Kucha is a presentation methodology in which 20 slides are shown for 20 seconds each (six minutes and 40 seconds in total). This format allows for concise and fast-presentations and will be tried by IAIA for the first time at IAIA13.

World Café: World Café comprises progressive rounds of conversation among groups of 5-6 participants. Each round lasts 15-20 minutes, after which participants are invited to form new groups and continue the conversation drawing in ideas and comments from earlier discussions. The session concludes with a whole-group discussion.

Practitioner exchanges provide an opportunity for up to 8 conference participants to present a brief (3 minutes) overview of their work and to network with others in the same field. Time does not permit presentation of full papers during the session, but abstracts will be included in the final program. *Note: Some Practitioner Exchanges may be included in the preliminary program in response to session submissions received, while others may be added during preparation of the final program to accommodate large numbers of paper submissions on a particular topic.*

Indaba: For issues that arise during the conference and that delegates want to pursue through follow-up discussions. During the morning, participants post potential topics for discussion, and individuals interested in each topic sign up. If a topic generates sufficient interest, space is made available for the discussion to take place in the late afternoon.

ABOUT THE TECHNICAL PROGRAM

The technical program is structured into topic streams that address broad aspects of impact assessment theory and practice. Sessions have been allocated to one of the conference themes or to an IAIA Section topic.

As indicated, some sessions have been proposed by, and will be chaired by, members of the IAIA Sections (see page 36) and form part of the ongoing activities of the Sections.

SUBMITTING PAPER ABSTRACTS

1. Carefully read the theme forum and session descriptions and decide where your abstract fits best.
2. Note the specific theme forum or session under which you would like to contribute.
3. Go to www.iaia.org > IAIA13 > Submissions and complete the online form. Note that selecting “other” for a session topic should be a last resort and increases the chances your abstract will be rejected.

THEME FORUMS

Theme forums bring together special speakers to open IAIA conference discussions.

The goal is to present a well-balanced mix of innovative and high-quality sessions. Theme forums are intended to be integrative in nature, i.e., to deal with cross-cutting issues relevant to the many specialties of impact assessment; to engage with the conference theme; to be relevant to our international audience; and to be innovative in format.

The theme forums listed in the preliminary program are tentative. The final selection of theme forums will be made and confirmed in the final program following further planning by potential theme forum conveners.

SESSION STREAMS

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A new generation of IA practitioners	11
Digital and social media in impact assessment	11
Regulatory changes affecting IA around the world	11
Effectiveness and efficiency in IA	11
Health impact assessment.....	12
Indigenous Peoples and IA.....	13
Resource development and IA.....	14
Business and impact assessment.....	15
The role of IA in project decision making in a sustainable world.....	16
IA over the project life cycle: from approval to construction.....	17
Biodiversity.....	17
Climate change, adaptation, and IA.....	18
Social impact assessment	19
Strategic environmental assessment.....	20
Agriculture, forestry & fisheries	20
Disasters and conflict.....	20
Impact assessment: tools	21
IA law, policies, and practice	21
Cultural heritage.....	22
Public participation	22
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Special to IAIA.....	23

Proposed sessions

IMPACT ASSESSMENT: THE WAY FORWARD

NEW RESPONSIBILITIES FOR A NEW WORLD: VISIONS OF IA IN 2050

IAIA SEA performance criteria: suitable for the next generation?

Format: Theme forum

Convener(s): Bobbi Schijf, Rob Verheem, Marie Hanusch, Monica Fundingsland

The IAIA SEA Performance Criteria are now a decade old. They were established by the 19th century generation of SEA experts, but what does the next generation think? This session will conclude an online debate on the performance criteria, and a new set will be presented.

InfluencIA: a hypothetical with a twist, a loop and a circle

Format: Panel

Convener(s): Jack Krohn, Sandra Mols

This fast-paced interactive session will explore the possible shape of the next generation of IA, then use a form of hypothetical structure to consider how the options for change might play out over time. The audience will engage in the conversation through a Samoan Circle format. The key principle underpinning the discussion will be the need to ensure that IA continues to inform and influence decisions in an ever-changing world.

A vision for policy appraisal: policy makers and scientists in dialogue

Format: Panel

Convener(s): Tamara Hochstrasser, John Fry, Guy Engelen, Ainhoa Gonzalez

Is policy appraisal a way of creating reports for shelves and electronic files, or is it helping to establish a dialogue between scientists and policy makers? The latter is critical for developing an evidence-based adaptive policy making process. In this session, we will explore a number of successful case studies to develop a vision of a future for the policy appraisal process.

Talking about the next generation of impact assessment

Format: Theme forum

Convener(s): Angus Morrison-Saunders

Who are the new generation of impact assessment (IA) persons, and how should they be engaged? What is the new generation of IA issues and solutions? Come and join a facilitated open discussion about the next generation of impact assessment practitioners, issues and solutions. Following short presentations from different generational representatives, audience discussion is welcomed.

EMERGING GLOBAL TRENDS IN IA IN THE COMING DECADES

Harmonizing upward: next generation EA for overlapping jurisdictions

Format: Panel

Convener(s): Robert Gibson, John Sinclair, Meinhard Doelle

The panel will consider model designs and means of establishing harmonized and/or cooperative multi-jurisdictional assessment regimes (e.g., for federations with partially self-governing regions including special areas of indigenous governance) that serve sustainability objectives, recognize complexity and uncertainty, cover cumulative effects, address strategic as well as project level undertakings, provide sufficient flexibility to respect regional differences and case-specific needs, and deliver process efficiencies.

Regional and ecosystem-based approaches in CEAM: a next-generation approach

Format: Theme forum

Convener(s): Larry Canter, Barry Sadler

The thematic stream will 1) take stock of recent developments in CEAM theory and practice, particularly concepts, frameworks and elements of regional and ecosystem-based approaches and their relationship to sustainability principles, criteria and threshold conditions; 2) analyze key scientific, institutional and methodological challenges in applying a next-generation approach to consider the reciprocal impact of global and large-scale changes such as climate change and loss of biodiversity in development proposals and to undertake adaptive and mitigation measures; and 3) review practical experience with the tools and procedures used in support of regional, ecosystem based approaches including (but not limited to) risk-based safeguards, resilience science, application of the precautionary principle, valuation of ecosystem goods and services, integrated ecosystem assessment, regional environmental assessment, SEA, effects monitoring and adaptive management.

Changing EIA focus and trends to expect in the future

Format: Paper session

Convener(s): Pamela Gunther

This session will focus on emerging EIA trends and changes that have occurred over time.

Broader SIAs in conflict/post-conflict states can create value

Format: Paper session

Convener(s): Charlotte Bisley

In conflict/post-conflict states, a broader approach to SIAs is needed as the potential impacts (positive and negative, direct and indirect) can have more significant implications for the country as a whole. Broader assessments could apply a value chain approach to analyzing impacts and proposing mitigations, including tiered social investment programming that addresses

project impacts and can also contribute to building national and sub-national public sector capacity. Values and risks to companies and governments are discussed.

Can IA/SEA influence decisions affect the global environment? (I and II)

Format: Panel and debate

Convener(s): Peter Nelson

Does strategic assessment provide decision makers with the information they need? Do they consider the advice? Does it make a difference to national and global policies, plans and programmes—or is it business as usual? Session I will consider the evidence from international case studies, given by expert presenters (pre-selected by the session leader). Session II will constitute a genuine debate among all participants.

Local action for IA: governance and the next generation of decision makers

Format: Panel

Convener(s): Chumisa Thengwa

Sustainable cities are crucial to the tackling of global problems such as biodiversity loss and climate change. The projected rate of urbanization will bring about an increase in environmental impacts. To remain resilient, cities will need to act in response. Central to this local level action is the need for innovative decision making that responds strategically to these global drivers of change. Governance and the next generation of decision makers must be alive to this reality.

Orphans re-generating impact assessment

Format: Panel

Convener(s): Jos Arts, Francois Retief

This session is a follow-up on previous years' sessions about re-introducing and re-emphasizing key issues in impact assessment which seem to have been neglected over time. Can we re-generate these orphans of impact assessment so we ensure that the profession strengthens its roots towards improved practice for the next generation?

Systems approach to improving effectiveness of impact assessment

Format: Theme forum

Convener(s): Gwen van Boven, Gunnar Baldwin, Dieudonne Bitondo

The effectiveness of IA to steer projects, policies, programmes and plans in a more sustainable direction depends on the quality of all elements of the decision making and implementing systems: regulation, procedures and processes; authorities, experts, NGOs and media; compliance, enforcement and the judicial system, at national and local levels. NCEA, SEEAC and INECE ask the IA community: what have we learned so far from systems thinking in making EIA and SEA more effective?

A NEW GENERATION OF IA PRACTITIONERS

TRANSITIONAL DEMOGRAPHICS OF IA PRACTITIONERS AND MENTORING THE NEXT GENERATION

IA young practitioners forum

Format: Panel

Convener(s): To be confirmed

A panel will discuss challenges facing new practitioners entering the IA field.

DIGITAL AND SOCIAL MEDIA IN IA

Equal access to information and the role of EA registries

Format: Paper session

Convener(s): Johann Koeppel, Lisa Odparlik, Gesa Geissler

Participation needs information. International practice examples have shown an increasing use of Web-based EA registries or project Web sites to provide this information. But what constitutes good practice? This session aims to facilitate discussion on the requirements and systems to provide information for the effective participation in the EA process and thereby take the more general discussion of the role of social media in EA to the next level as well.

REGULATORY CHANGES AFFECTING IA AROUND THE WORLD

Streamlining EIAs and the approval process: how far do we go?

Format: Paper session

Convener(s): Jim Howell, Lindsay Mitchell

This session will review the effects of international changes to EIA requirements. Do these changes maintain EIA integrity? Are they the vanguard of a new approach to environmental impact assessment?

EFFECTIVENESS AND EFFICIENCY IN IA

Impact assessment innovation and successes

Format: Pecha Kucha

Convener(s): Jenifer Hill

The objective of this session is for practitioners to share what works and effective ways to communicate our results.

Scoping: are we getting it right?

Format: Paper session

Convener(s): Jeff Barnes, Denis Marquis

This session will explore scoping practices and related issues that can arise or be avoided through scoping. Is less than good scoping a cause for inefficient and ineffective EIA?

Significance: how and why is it determined?

Format: Paper session

Convener(s): Jeff Barnes, Gordon Yamazaki

This session will explore current practice for the determination of significance and the various approaches used in its determination. It will also consider legislative and policy issues around the concept of significance, including the intention and utility of its determination.

To be or not to be? Alternatives analysis in impact assessment (I)

Format: Paper session

Convener(s): Charlotte Bingham, Patience Whitten, Emily Johannes, Bryony Walmsley, Inga Carlman, Sanjay Srivastava

Though it is the backbone of environmental impact assessment—embedded in law, protected by the courts, and practiced by “champions” in the field—the evaluation of alternatives in EIA practice is arguably suffering from willful neglect, even within the EIA community. This paper session will focus on the range of alternatives, applicable methods and tools, their effectiveness and assessing tradeoffs and choices to determine the most sustainable development option.

To be or not to be? Alternatives analysis in impact assessment (II)

Format: Panel

Convener(s): Patience Whitten, Emily Johannes, Bryony Walmsley, Inga Carlman, Sanjay Srivastava, Charlotte Bingham

Though it is the backbone of environmental impact assessment, the evaluation of alternatives in EIA practice is arguably suffering from willful neglect, even within the EIA society. This panel will challenge the complacency surrounding the use of alternatives, examine the problem and address solutions.

Asia-Europe dialogue on impact assessment implementation

Format: Paper session

Convener(s): Lone Kornov, Fanghua Hao, Hongyan Ren, Jiri Dusik

How does context matter? What drives the differences of impact assessment (IA) between Asia and Europe? How does IA implementation deficit happen with diverse challenges and barriers in different jurisdictions? This discussion will cover a wide range of topics such as IA effectiveness, combining biodiversity and climate change into SEA, clean energy and the role of impact assessment, frontier of policy SEA, public participation and capacity building etc. We invite papers on experiences, good practices, case studies and lessons learned in both Asian and European contexts. The session will be held jointly by The Danish Center for Environmental Assessment (DCEA), Aalborg University of Denmark, Beijing Normal University (BNU) of China, and the Appraisal Center for Environmental Engineering (ACEE), Ministry of Environment of China and Czech Technical University. The session is for international scholars, practitioners, experts, and young researchers from different jurisdictions to come together to facilitate communication, knowledge sharing and experience exchange with inspiring and interactive discussion.

New models for capacity building in environmental impact assessment

Format: Paper session

Convener(s): Prasad Modak

Effectiveness of EIA is weak due to poor capacities at institutions. Past efforts on capacity building have mostly followed single-institution models that have been largely ineffective and unsustainable. A networked approach with multiple institutions could be more relevant. Training needs to address knowledge management, advisory and certification with blended approaches like e-learning, mobile devices; increasing outreach to communities. The session will showcase presentations demonstrating innovations to capacity building in EIA.

Proposed sessions

HEALTH IMPACT ASSESSMENT

See page 31 for a special IAIA13 focus on Health.

Using health impact assessment to achieve sustainable goals

Format: Panel

Convener(s): Geetha Ramesh, Deirdre Treissman, Emily Baulk

Local stakeholders, policy makers and financial institutions increasingly demand that community health issues are integrated when developmental projects are proposed. Several global corporations now require community health to be appropriately scoped along with the other two constituents of sustainability, i.e., economics and environment, to meet their performance standards.

Integrating health in impact assessments: opportunities not to be missed

Format: Theme forum

Convener(s): Julia Nowacki, Francesca Vilianni, Rainer Fehr, Marco Martuzzi

Under the threat of "IA fatigue" among stakeholders and decision makers, the theme forum discusses with experts from different IA sections (SIA, SEA, SA and HIA) what extent, and quality, of integration of IA seems advisable. The focus is on the interrelation of various IA forms with "health," and on tools and experiences that can be shared. Conclusions on the opportunities and challenges for further consideration of health in other IAs will be drawn.

The science and art of international HIA practice: key messages (Health I)

Format: Theme forum

Convener(s): Francesca Vilianni, Ben Harris-Roxas, Lea den Broeder, Patrick Harris, Salim Vohra, Marla Orenstein, Ben Cave
IAIA Section: Health

The diversity of HIA practice is an asset; however, more needs to be done to facilitate dialogue across HIA practice globally. Today we call on HIA practitioners to reflect on what we have learned through the application of HIA, and how HIA has to evolve to be a better fit for the challenges ahead. The theme forum will host leading international professional and decision makers who will discuss key lessons learned and the challenges ahead.

The science and art of international HIA practice: reflecting the range of HIA practitioners (Health II)

Format: Paper session

Convener(s): Francesca Vilianni, Ben Harris-Roxas, Lea den Broeder, Patrick Harris, Salim Vohra, Marla Orenstein, Ben Cave
IAIA Section: Health

This session aims at presenting the diversity of HIA practices worldwide. While a full and detailed mapping is not possible, we invite papers that present the most interesting and innovative applications of HIA worldwide. Of special interest are the applications of HIA in new countries and on new topics as this will further enrich practitioners' experience and knowledge.

The science and art of international HIA practice: old issues and new applications (Health III)

Format: Paper session

Convener(s): Francesca Vilianni, Ben Harris-Roxas, Lea den Broeder, Patrick Harris, Salim Vohra, Marla Orenstein, Ben Cave
IAIA Section: Health

This session aims at presenting old and emerging issues and applications in the use of HIA worldwide. Papers describing new approaches for tackling established issues such as equity, effectiveness, and follow up alongside emerging issues such as climate change, integrated assessment and strategic and policy HIAs are welcome.

The science and art of international HIA practice: let's discuss (Health IV)

Format: Workshop

Convener(s): Francesca Vilianni, Ben Harris-Roxas, Lea den Broeder, Patrick Harris, Salim Vohra, Marla Orenstein, Ben Cave
IAIA Section: Health

This workshop will reflect on all the discussions that take place during the three previous sessions and take the discussion to the next level. The workshop is participative and aims at concluding the day by developing a set of coherent ideas, thoughts and recommendations for helping HIA practitioners improve their practice. The Health Section will develop an IAIA publication from the discussions.



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INDIGENOUS PEOPLES AND IA

ABORIGINAL PEOPLES: FREE PRIOR INFORMED CONSENT

From EA to impact and benefit agreements: private governance and consent

Format: Panel

Convener(s): Neil Craik, Dan McCarthy

This session considers the increasing use of impact and benefit agreements between private resource developers and First Nations as standalone environmental governance arrangements. The relation to, and implications for, EA processes, which precede the negotiation of IBAs, is canvassed, with a particular emphasis on the potential of these arrangements to engender ongoing legitimate consent for resource development activities among First Nation communities.

Using impact assessment to inform benefit agreements at a global scale

Format: Panel

Convener(s): Karina Andrus, Dani Nazzari, Dion Willier

This session will focus at a global scale on the use of integrated impact assessments, which consider social, environmental and economic factors, for developing benefit agreements and sustainable outcomes based on the fundamental principle of Free, Prior and Informed Consent, regardless of government policy. The session will demonstrate the inter-dependence between these factors especially within traditional indigenous communities and explore the concept of "consented" planning.

The application of FPIC: current practice, future trends

Format: Panel

Convener(s): Murray Jones, Ana Maria Esteves

IAIA Sections: Indigenous Peoples and SIA

Indigenous peoples see Free, Prior and Informed Consent (FPIC) as a fundamental right in the development process. With the participation of developers, practitioners, academia, and the public and private sectors, this panel session will examine how FPIC is emerging in practice and the practical challenges involved, including mechanisms for redress in the absence of FPIC.

INDIGENOUS PEOPLES

The emerging role of Indigenous peoples in impact assessment

Format: Workshop

Convener(s): Martin Haefele, Somia Sadiq

IAIA Section: Indigenous Peoples

Participants examine the role of Indigenous peoples in the next generation of impact assessment and formulate lessons learned by comparing and contrasting three case studies. Two case studies will

be from Canada's north where new impact assessment regimes with defined roles for Indigenous peoples in the process and decision making have emerged. The big questions: how do Indigenous peoples participate in the process, and how can they can make sense of the process?

Consultation with Indigenous peoples and FPIC in impact assessment

Format: Panel

Convener(s): Maria da Cunha

IAIA Section: Indigenous Peoples

This session aims to bring together presenters and audience to analyze the various aspects of implementing consultations with Indigenous peoples for a better understanding of the challenges they present, and of ways to overcome them, in order to achieve results that respond to indigenous needs, demands and rights, as well as to overall development goals.

Engaging aboriginal communities in impact assessment and mitigation

Format: Panel

Convener(s): Daniel Stuckless, Alvaro Pinto

IAIA Section: Indigenous Peoples

Much has been learned and new ways have been developed to engage aboriginal communities in the intensely and rapidly developing Athabasca oil sands region. This session will showcase the best practices that have emerged in this unique area and explore issues and solutions to assessing and managing impacts to ensure the long-term sustainability of the communities and their lands.

HOW INDIGENOUS TRADITIONAL KNOWLEDGE HAS AFFECTED IA PRACTICE AND DECISIONS

Country experiences with oil industries and impact assessments

Format: Paper session

Convener(s): Arne Dalfelt, Trine Hay-Setsaas

Session participants will learn about the experiences gained by professional government staff involved in impact assessment in developing countries. The session will concentrate on environmental and social impact assessment in the oil and gas sector, and particularly on problems encountered in assessments. The participants will have opportunities to discuss and share the lessons learned.

How are aboriginal values and traditional knowledge reflected in EIA?

Format: Paper session

Convener(s): Carol Jones, Jim Howell

Aboriginal communities and EIA practitioners have utilized various methods to incorporate aboriginal

values and traditional knowledge into EIA. These have ranged from submission of comments on TORs to submission of independent EIAs. This session will explore these methods and provide an opportunity for dialogue to assess their success.

Impact assessment and Indigenous peoples in extractive industries

Format: Panel

Convener(s): Roman Novozhilov, Gregory Guldin

Indigenous peoples are increasingly affected by extractive industries projects around the world. The impacts often include physical and displacement, pressure on traditional livelihoods, and alteration of the social fabric of indigenous societies. Various interpretations of the concept of "Free Prior Informed Consent" (FPIC) by local regulatory requirements have added complexity into the impact assessment field. Incorporating views and traditional knowledge of IPs in impact assessments is essential for assuring sustainability of extractive projects.

OVERCOMING CHALLENGES TO INDIGENOUS/ABORIGINAL PARTICIPANTS IN IA

Using ecological analysis to assess impacts on rights of Indigenous peoples

Format: Paper session

Convener(s): Petr Komers, Abbie Stewart, Shannon Gavin, Sarah Hechtenthal, Brian Kopach

The inherent right of Indigenous peoples to maintain their traditional land and resources requires accurate identification and assessment of impacts stemming from industrial development infringing upon their territories and lifestyles. Determination of impact significance based on scientific analysis versus perceived cultural values will be discussed, with the objective being to improve the efficacy of the IA process for Indigenous peoples, from scoping to the IA to subsequent mitigation to monitoring of the effectiveness of mitigation.

Consulting and engaging indigenous communities in the extractive sector

Format: Roundtable

Convener(s): Angeles Mendoza Sammet, John Devlin

In this session, Indigenous peoples representatives, IA practitioners, and representatives of the public and private sectors will share and experiences on Indigenous and Western practices and processes for consultation. They will also talk about the challenges to make consultation more effective for all and relevant for decision making. Learning from each other, participants will explore alternatives to create a different consultation model that is more meaningful and inclusive for Indigenous and non-Indigenous peoples.

RESOURCE DEVELOPMENT AND IA

ENERGY INDUSTRY AND BEST PRACTICES

Hard limits: EIA and a new generation of clean energy projects in BC

Format: Panel

Convener(s): Paul Kariya, Susan Wilkins

IAIA Section: Energy

The clean energy sector in British Columbia was championed for growth and advancement in British Columbia during the 2000s. It was to lead to a more sustainable and environmentally-friendly energy sector. The state of play today and outlook will be discussed by panelists from different perspectives on the environmental impacts and economic benefits. Come and participate in an interactive discussion which we all must be a part of wherever we live and work today.

Hydropower projects: tumultuous journey or a peaceful march from approval

Format: Paper session

Convener(s): Vinod Mathur, Asha Rajvanshi

IAIA Section: Biodiversity & Ecology

Strategic and cumulative assessments are important tools to ensure responsible developments in all sectors and form the basis of development-decision making. Experience suggests that compliance monitoring of mitigation measures suggested in SEA and CEA are invariably weak and inadequate thereby making the entire IA process ineffective. There is a need to outline policy and practice approaches for effective follow up and ensure their effective implementation for biodiversity conservation and human wellbeing.

Environmental monitoring in the oil sands and impact assessment: terrestrial

Format: Paper session

Convener(s): Martin Jalkotzy, Brock Simons

Applying the mitigation hierarchy presupposes knowledge of the environment that might be impacted in order to design appropriate mitigation measures to avoid and reduce impacts, to reclaim to predisturbance conditions if that is the goal, and to design offsets for residual impacts. The quality of the monitoring has been a contentious issue in the oil sands. This session will examine past monitoring practices, the current state and what the future holds.

Environmental monitoring in the oil sands and impact assessment: aquatics

Format: Paper session

Convener(s): Scott McKenzie, Trevor Rhodes

Applying the mitigation hierarchy presupposes knowledge of the environment that might be impacted in order to design appropriate impacts, to reclaim to predisturbance conditions if this is the goal, and to design offsets for residual impacts. The quality of the monitoring in the oil sands has been a contentious issue. This forum will examine past monitoring practices, the current state and what the future holds.

Emerging good practices in responsible oil and gas operations

Format: Paper session

Convener(s): Elizabeth Brito

This session will present environmental and social practices from private sector oil and gas companies, particularly in IA, biodiversity management, protection of Indigenous peoples, influx management, participatory monitoring, and sharing of the benefits and wealth originated by oil and gas projects. Industry representatives will provide their experiences with sustainable and responsible oil and gas operations. These experiences will contribute to advance the IA practice and foster a new generation of responsible oil and gas industry.

How can we make the oil and gas industry environmentally responsible?

Format: Workshop

Convener(s): Arne Dalfelt, Peter Tarr

The conveners will give a short introduction to the workshop and subsequently guide the discussion. They will seek to engage the participants in topical exchanges of experiences and stimulate ideas and discussion. The focus will be on social, health and environmental impacts in the oil and gas industry, with particularly attention to oil extraction from tar sands. There will be ample opportunities for participants to share ideas and views.

Understanding and managing cumulative impacts in resource regions

Format: Paper session

Convener(s): Daniel Franks

IAIA Section: IA Law, Policies and Practice

This session invites contributions to the topic of understanding and managing cumulative impacts, or cumulative effects in resource regions. The session will question the effectiveness of new and traditional policy responses, explore methods and strategies to better respond to cumulative impacts, and detail practical examples of collaborative and coordinated approaches. Papers are invited to address the range of social, environmental, economic issues, geographical regions, commodities, and conceptual approaches.

ENERGY IN THE ARCTIC

Arctic hydrocarbons: addressing community aspirations and effects

Format: Paper session

Convener(s): Mark Shrimpton, Nick Poushinsky

The loss of ice cover and large resource estimates are driving increased hydrocarbon activity in the Arctic. While new technologies and techniques are addressing the harsh environment challenges associated with working in these areas, less attention is being paid to the interests and aspirations of the approximately four million people who live in the Arctic. The papers in this session explore their attitudes and aspirations and discuss how they and potential community effects can be addressed.

The next frontier: development of northern and Arctic regions

Format: Theme forum

Convener(s): Yolanda Banks

Northern and Arctic regions present immense opportunity for economic development. At the same time, development in these regions has the potential for significant adverse social and environmental impacts. Experts, moderated by Export Development Canada (EDC), will discuss issues and best practices for managing impacts on the environment, assessing cumulative effects that may contribute to climate change, securing the "social licence to operate" with indigenous communities, and the role of environmental assessment.

BUSINESS AND IA

FINDING THE BALANCE FOR SUSTAINABLE RESOURCE DEVELOPMENT

Energy needs vs. indigenous interests and climate change concerns

Format: Theme forum

Convener(s): Terje Lind, Arne Dalfelt

Emerging conflicts between societies' needs for energy and the concerns over climate change impacts both on Indigenous peoples and the public in general, requires guiding policies that looks way beyond short term economic interests. The oil and gas industry is rapidly approaching a point where public and political concerns for the future may be limiting the industrial options. The session will focus on cases and lessons learned.

Negotiating impacts and impact mitigation with oil and gas companies

Format: Workshop

Convener(s): Terje Lind, Morgan Hauptfleisch

This workshop will demonstrate negotiation techniques in practice. It will focus on providing negotiated information to be used in the decision making process after an impact assessment has been done. The negotiations will be based on a fictitiously planned oil or gas project with five or six interest groups being involved in the negotiations.

Indigenous peoples and CSR in the mining and extractive sectors

Format: Paper session

Convener: Jose Zorrilla

Indigenous people, IA practitioners, academics, and people from the private and public sectors will analyze the relationship between impact assessment, sustainability and corporate social responsibility (CSR). Participants will discuss how the IA process and/or IA practitioners can contribute to advance IA practice in the context of CSR, and redress communities when there has been a lack of CSR.

IA AND ALBERTA OIL SANDS

Alberta oil sands: conference findings

Format: Theme forum

Convener(s): Program Committee

A panel discussion will be convened with representatives from industry, government, the scientific community, and public interest groups to summarize conference findings regarding environmental assessment effectiveness in the Alberta oil sands.

CORPORATE STEWARDSHIP & RISK MANAGEMENT

Beyond regulatory standards: expanding social license to grow

Format: Theme forum

Convener(s): Richard Roberts, Larry Simpson

IAIA Section: Corporate Stewardship & Risk Management

There has been much discussion and debate around the topic of "Social License to Operate." We believe we are now moving beyond the license to operate but now the license to "expand" the corporate license begins to grow. This can be seen in the oil sands projects, pipeline projects and a wide range of other projects. A panel of experts may kick off the discussion and then open to the audience.

What gets measured gets managed: applications of IA for corporate responsibility

Format: Theme forum

Convener(s): Rita Sully, Sara Bice

IAIA Section: Corporate Stewardship & Risk Management

Corporate stewardship (or corporate responsibility) has become the mainstream direction by business for addressing various impacts. Re-envisioning CR and business in the next generation requires us to look at opportunities below the radar screen: not just minimizing the impacts of big business, but also enhancing benefits. The evidence base possible through leading practice impact assessments can assist firms to support, extend and enrich their CR programs through robust measurement

Application of IFC Performance Standards by financial intermediaries

Format: Theme forum

Convener(s): Mauricio Athie, Reidar Kvam

IAIA Section: Corporate Stewardship & Risk Management

The recent review of the International Finance Corporation's (IFC) Performance Standards clarified and improved the way in which the institution works with its financial intermediaries. This forum will present IFC's approach to environmental and social management systems when working with FIs, including IFC's revised risk categorization approach. The forum will have presentations by IFC specialists and reflection of experiences with the approach made by a representative of one of IFC's partner financial institutions.

Social licence to operate: the next generation of measuring and monitoring

Format: Paper session

Convener(s): Robert Boutilier, Sara Bice, Rita Sully

IAIA Section: Corporate Stewardship & Risk Management

The term "social licence to operate" (SLO) is today commonly used to describe the business case for company engagement with stakeholders and issues, especially in resources industries. It is increasingly viewed as aligned with risk and stakeholder management and ESIA. This session centres on the progressive adoption of SLO by companies, its spreading use by communities, measures of SLO granted, the concept's limitations, and recommended actions to mitigate risk to SLO.

FINANCE & IA: THE IMPACT OF NEW ENVIRONMENTAL AND SOCIAL PERFORMANCE STANDARDS

Evolving standards for EA: the consultant's perspective

Format: Paper session

Convener(s): Emlen Myers, Ross Mitchell

This session will draw together a variety of EA consultant practitioners who work with evolving standards alongside representatives of IFIs to discuss the changes to these standards in practical terms. By focusing on the implementers' experience, complemented by institutional experience, the papers will convey an on-the-ground view of how evolving EA standards work best, where the 2012 improvements have helped, and where improvement may still be needed.

International finance institutions: emerging ESIA standards and practices

Format: Panel

Convener(s): Kamil Zabielski, Deborah Berger

Standards and practices of IFIs with respect to ESIA's have evolved considerably in recent years. The IFC, Export Credit Agencies of the OECD, and Equator Principle Financial Institutions have all completed, or are in the process of completing revisions, of the standards by which they require and review ESIA's. Further clarification pertaining to social and/or human rights issues has received significant attention by these institutions and will continue to do so in the future.

THE ROLE OF IMPACT ASSESSMENT IN PROJECT DECISION MAKING IN A SUSTAINABLE WORLD

Socio-environmental risk in EIAs

Format: Paper session

Convener(s): Simon Catchpole, Roberto Moreno

The objective is to demonstrate the importance of considering environmental risk in EIAs, and also of the importance of involving environmental professionals in the overall risk assessment and risk management of an enterprise. The conceptual procedure for ERA is similar to that of an IA, substituting environmental "hazards" for "aspects," since "aspects" produce impacts, whereas "hazards" produce risks. The ERA in an EIA should feed into the project risk management plan.

Next generation IA: tiering of IA and planning

Format: Paper session

Convener(s): Heikki Kalle, Jos Arts

Tiering is a key element of EA, but practice shows a blurred picture. In this session we will discuss best practices and conceptual innovations related to tiering so that the concept can reach its full potential to IA.

Biodiversity-inclusive environmental assessment

Format: Panel

Convener(s): Graham Watkins, Denny Grossman, Iona Hawken

There is an urgent need to enhance capacities and standardize approaches to the management of biodiversity and ecosystem service impacts resulting from development projects in frontier forests and wetlands in biodiversity-rich countries. This session will bring experienced safeguards practitioners together to discuss the incorporation of biodiversity and ecosystem service analysis in environmental assessments for development projects.

EIA: success and failures

Format: Paper session

Convener(s): Miguel Coutinho, Júlio Jesus

What is an EIA success case? What is an EIA failure? Several efforts have been put forward to define success, but how can we define failure? The collection of these EIA case studies is important to show the relevance of EIA to stakeholders and, simultaneously, identify how we can avoid the traps that lead EIA procedures to failure. It is important to discuss the contribution of IA to sustainability.

Communication between IA practitioners and decision makers

Format: Paper session

Convener(s): Luis E. Montañez-Cartaxo, Weston Fisher, Gunnar Baldwin

Proponents of projects and programs often do not pay sufficient attention to the recommendations from impact assessment studies, IA specialists and/or the opinions of interested third parties. What are the limitations of IA practitioners and decision makers to establish a good understanding or communication between each other? What role can journalists and communication specialists play in improving the acceptance of IA recommendations and the effective implementation of environmental mitigation and monitoring plans?

The effective use of partnerships in EIA

Format: Panel

Convener(s): Don Beckham, Patience Whitten

Today, economic and development challenges make effective partnerships in the EIA process an imperative, otherwise we risk as practitioners being marginal players when it comes to development. More important, partnerships can make all the difference in reaching an optimal project outcome, environmentally and from an economic and development standpoint, despite differing objectives that may be held by the players involved. This panel will provide valuable illustrations of partnerships in EIA put to optimal use.

A new generation of regional transportation infrastructure development

Format: Theme forum

Convener(s): Ernesto Monter Flores

Many ecologically and socially sensitive areas around the world are experiencing an unprecedented road and highway expansion to support plans for regional infrastructure integration and to support agriculture, timber, oil, gas, and mineral extraction. This forum will explore options for responding to this increased demand for transportation connectivity, including how new IA tools and practices can contribute to a more systemic approach to regional and participatory planning for road development.

From IA to sustainable performance through participatory engagement and capacity building

Format: Theme forum

Convener(s): Agnieszka Rawa, Fernando Rodriguez

This session will bring together representatives of different sectors (e.g., private sector, lender, etc.) who will share examples of how participatory engagement and capacity building led to improved outcomes and actively involve the audience in a discussion on the next generation of performance-focused IAs.

Communication with stakeholders and general public: from state of the art to innovation

Format: Paper session

Convener(s): Lea den Broeder, Heikki Kalle

The art of how difficult topics are communicated to the general public and particularly to the stakeholders is vital for the effective IA process. This session will discuss effective IA communication and dialogue from the right psychological setup to the communication routines and means, taking into account theory and best practice.

LOOKING FOR
EMPLOYEES?
TAKE YOUR JOB LISTINGS
TO CALGARY AND POST
THEM ON THE JOBS
BULLETIN BOARD.

LOOKING FOR A NEW JOB?
SEE THE JOBS BULLETIN
BOARD.

IA OVER THE PROJECT LIFE CYCLE: FROM APPROVAL TO CONSTRUCTION

Environmental monitoring in Alberta: the next generation

Format: Panel

Convener(s): Judy Bennett, Sergei Touchinski

Alberta's "social licence" to develop its resources, such as the oil sands, is in jeopardy given intense international scrutiny and concern over climate change. Alberta is establishing a world-class monitoring, evaluation and reporting system for land, air, water and biodiversity. How can a monitoring system support adaptive resource management over the project life cycle? How can it move the public discourse away from project effects towards resource management policies that incorporate cumulative effects?

Mine planning and environmental assessment

Format: Paper session

Convener(s): Alvaro Paredes

This session welcomes presentations on how environmental and social guiding principles have influenced mine planning and is focused on alternative development and uses. Examples would provide insight on the challenges of communication and integration between project managers, geologists, geotechnical engineers, biologists, environmental and social scientists.

Use and abuse of adaptive management in impact assessment: where to next?

Format: Workshop

Convener(s): Kathleen Racher, Alan Ehrlich

This session will explore the requirements of credible adaptive management in impact assessment, examine when it is an appropriate tool, and share related experiences of effective use versus abuse. The format will involve a panel to interactively discuss how the full potential of adaptive management in impact assessment and project management may be realized going forward.

Partnerships over the project lifecycle: the next generation for IA

Format: Panel

Convener(s): Jos Arts, Charlotta Faith-Ell, Ana Maria Esteves, Ilse Aucamp

Applying "responsible and sustainable" concepts to the project lifecycle involves increasingly sophisticated partnerships between companies, governments, and communities. To this end, impact assessment plays an important role in informing and coordinating partnerships, which involves cradle-to-grave approaches and a range of instruments. In this expert panel discussion session, we will consolidate the strong interest in the topic evident from the last five IAIA conferences and take stock of international practice and principles of the role of partnerships in IA.

Highway mitigation: new insights for practitioners

Format: Panel

Convener(s): Rachelle Haddock, Tony Clevenger

Environmental assessment as part of highway upgrades, expansion, and maintenance requires specific mitigation to address wildlife movement and mortality. This session will focus on successful highway mitigation in Banff National Park and will specifically outline various mitigation options. The economic costs and benefits of highway mitigation will also be presented. The objective of this session is to provide practitioners with examples of successful mitigation and cost-effective measures.

Operationalizing an IA: follow-up and implementation challenges

Format: Roundtable

Convener(s): Luiz Guimaraes

Reaching awareness of and alignment on impact mitigation measures is critical to the planning of a major capital project. Mitigation measures are considered commitments to be upheld throughout the lifecycle of a project. This session explores how successful projects manage the transition from planning to execution. It highlights processes and approaches employed during planning that have led to a successful execution strategy, driving real impact management throughout the lifecycle of a project.

BIODIVERSITY

Tools to predict impacts of economic development projects on biodiversity

Format: Panel

Convener(s): Dennis Grossman, Graham Watkins

IAIA Section: Biodiversity & Ecology

Biodiversity impact assessment is a critical component of all EIAs. This session will review the availability of baseline information and spatial tools that are being used to evaluate the impacts of economic development projects to biodiversity. The objectives are to break down the barriers for these data and tools to be used more widely across all environmental impact assessments.

Addressing project impacts to biodiversity: critical roles for IAIA

Format: Panel

Convener(s): Dennis Grossman, Orlando Venn, Elizabeth Clarke, Courtney Lowrance, Graham Watkins

IAIA Section: Biodiversity & Ecology

This session will focus on challenges of predicting and managing biodiversity impacts from economic

development projects in the context of the environmental impact assessment process. The challenges include the representation of direct, induced and cumulative project impacts; evaluation and reporting of impact significance; and minimizing, mitigating and compensating for impacts to biodiversity and ecosystem services. A final panel discussion will identify specific IAIA activities that will help address these challenges.

Closing gaps for EIA in the next generation: sharing biodiversity data

Format: Paper session

Convener(s): Asha Rajvanshi, Vinod Mathur, Vishwas Chavan

IAIA Section: Biodiversity & Ecology

This session provides impact assessment professionals an opportunity to share their experience, frustration and delights of discovering new records, adding value to existing knowledge pools, developing new data publishing toolkits, and more. The session is aimed at planning for next generation impact assessment tools that help us protect biodiversity to support responsible growth.

Designing and implementing strategies for a biodiversity action plan

Format: Workshop

Convener(s): Francisco Dallmeier

IAIA Section: Biodiversity & Ecology

A Biodiversity Action Plan (BAP) is designed to protect and restore biological systems. BAPs are based on the applications of the Mitigation Hierarchy in Industry and are complementary to IA. Establishing a BAP is a cost-effective and site-specific process which has demonstrated positive and tangible environmental, social and business outcomes to projects. This workshop provides the tools to effectively develop and implement BAPs, including the conceptual framework of BAP case studies.

Proposed sessions

CLIMATE CHANGE, ADAPTATION, AND IA

INTEGRATION OF CLIMATE CHANGE AND IA

IA and climate change next steps: 2013 and beyond

Format: Roundtable

*Convener(s): Weston Fisher, Lone Kornov, Will Knowland, Rita Cestti, Arend Kolhoff, Stephen Hazell, Peter Croal
IAIA Section: Climate Change*

This roundtable will use the "IA and Climate Change Next Steps" document as the starting point for discussing accomplishments to date, constraints to more effective action, and how we might best apply the power of our Association and our members to respond to the great challenges before us over the next fifty years. The results of the roundtable will serve as the foundation for an updated "IA and Climate Change Next Steps" document.

Guidelines and tools for integrating climate change in impact assessment

Format: Paper session

*Convener(s): Sanne Vammen Larsen, Patrick Driscoll
IAIA Section: Climate Change*

The purpose of this session is to highlight specific examples of the integration of climate change mitigation and adaptation into IA, with a regional focus on the Arctic region. On this backdrop, this session shifts focus from discussing relevance and status of integration of climate change in IA to reviewing examples of specific guidelines and tools and their use for supporting integration of climate change in IA in practice.

Climatic variability and ecosystem change: coping and adaptation options

Format: Paper session

*Convener(s): Emdad Haque
IAIA Section: Climate Change*

Increasing climatic variability across the world is creating newer kind of stress, causing a shift in ecosystem change. These are impacting various facets of human lives, our economy, society and institutions. Papers are welcomed that examine how such dynamics of such ecosystem change can be more effectively investigated, and that explore the mitigation, coping, and adaptation options for policy interventions.

Crisis? What crisis? Decision makers and climate change adaptation

Format: Paper session

*Convener(s): Michel Crowley, Nathalie Risse
IAIA Section: Climate Change*

Climate change vulnerability is often a component of EIAs or SEAs. Information in these assessments should help decision makers with the need for

adaptation measures. However, decision makers are not necessarily receptive to scientific information, particularly when adaptation measures are costly and long-term risks are not obvious. We will address the decision maker's rationale on adaptation measures and try to identify means to make scientific information more understandable for decision makers.

IA for integrated resources management in a climate-stressed world

Format: Paper session

*Convener(s): Jean Hugel, Tom Waas
IAIA Section: Climate Change*

IA is increasingly seen as a way to mainstream sustainability considerations into resource management (e.g., IWRM) worldwide. Yet human-induced climate change puts additional stress on ecosystems and societies, hence creating challenges for the development and application of adapted IA approaches. These range from specific climate tools to holistic integrated approaches, but we are interested in seeing what works and what does not—especially in the context of dynamic governance initiatives and ever-evolving IA science.

GHG emission accounting and performance criteria for development projects

Format: Panel

*Convener(s): Paul Suding, Natasha Ward
IAIA Section: Climate Change*

GHG emission accounting and reporting is becoming standard practice in many financing organizations. In addition, more and more of these organizations are adopting criteria to exclude GHG emission-intensive technologies. This session offers the opportunity to take an in-depth look into the methodologies and tools, and to discuss their application with first hand practitioners.

The vanishing North: can impact assessment help reverse the trend?

Format: Theme forum

*Convener(s): Arend Kolhoff, Patrick Driscoll
IAIA Section: Climate Change*

Climate change is already seriously influencing the economy, society, and biodiversity in the Arctic countries. Invited speakers will provide different perspectives of this influence, the role of impact assessment and what the rest of the world can learn from experience gained by those countries.

Strategic environmental assessment and climate change

Format: Paper session

*Convener(s): He Xu, Kin-Che Lam
IAIA Sections: Climate Change and SEA*

This session will provide practical guidance on the planning, design and operation of PPP with climate

change considerations in mind. The discussion will cover a wide range of sectors including land use, regional and urban development, industry, agriculture, livestock breeding, forestry, energy, water conservancy, transportation and tourism.

CLIMATE CHANGE: NORTH AND SOUTH PERSPECTIVES

Climate change and impact assessment: the North meets the South

Format: Paper session

Convener(s): Arend Kolhoff, Jonathan Allotey

A growing number of countries in the south are confronted with the impacts of climate change. This session welcomes papers that present experiences with climate change issues, mitigation as well as adaptation, in impact assessment for projects and plans, from the Arctic countries and from Africa and Latin America.

IA as a tool to make healthier decisions in the Arctic region

Format: Paper session

*Convener(s): Bettina Menne, Francesca Vilianni, Patrick Driscoll
IAIA Sections: Climate Change and Health*

The Arctic constitutes a very vast area characterized by low population density, unique climatic and living conditions, particularly health status, and extremely rich deposits of mineral and oil resources. This session explores the types of health vulnerabilities encountered while conducting impact assessment in the Arctic region, how those have been dealt with, if climate change has been taken in consideration while developing recommendations, and how traditional knowledge has been included in the process.

Modern interdisciplinary approaches for ESHIA in the Arctic

Format: Paper session

Convener(s): John Aronson, Bob Clark, Viktor Raykin, John Winston

The Arctic is in a state of rapid change. IAIA needs to step up with modern interdisciplinary approaches for effective ESHIA, especially for the oil and gas, mining, fishing, and other commercial exploitation industries. The Arctic is melting quickly: on 27 August 2012 we reached the all-time least Arctic ice cover, and normal minima are not reached until September. Papers are welcome that elaborate on the linkages and networks concerned with Arctic ecology and environment.

SOCIAL IMPACT ASSESSMENT

Teaching social impact assessment: pedagogies and practice

Format: Paper session

Convener(s): Alison Cottrell

IAIA Section: Social Impact Assessment

Effective teaching practice requires constant reflection. An international conference provides an opportunity for teachers and mentors of social impact assessment to review current practices for the purposes of improving teaching, curriculum design, and professional development.



Voluntary SIA: ideas and insights from beyond the regulatory context

Format: Panel

Convener(s): Christine Crispin

IAIA Section: Social Impact Assessment

Practitioners, researchers, and industry representatives will review the growing body of SIA and other forms of social assessment being undertaken in a voluntary context and consider the implications for the future of social impact assessment. Panelists will present an overview of the current state of practice, and the drivers behind this increasing activity and discuss the conceptual, methodological and practical synergies and differences with SIA undertaken within a regulatory context.

Social impact assessment clinic

Format: Workshop

Convener(s): Daniel Franks

For many SIA practitioners, IAIA conferences are a clinic where we re-energize and focus on the health of our own practice and the field as a whole. This workshop will be a space for new and experienced SIA practitioners to hear about and share practical experiences, innovations, anecdotes, tips and techniques.

SIA and CSR in the mining and energy sectors: a merging of generations?

Format: Theme forum

Convener(s): Rauno Sairinen, Daniel Franks

IAIA Section: Social Impact Assessment

SIA and CSR are both used by companies in the mineral and energy sectors to assist their community relationships. This paper session invites case studies and practitioner reflections on the current state of the art of these distinct bodies of practice and how they are informing each other to address social issues across the life cycle of projects.

International Guidelines for SIA: the next generation

Format: Workshop

Convener(s): Frank Vanclay

IAIA Section: Social Impact Assessment

The draft "International Guidelines for Social Impact Assessment" is a further development of the "International Principles for Social Impact Assessment" [IAPA 21(1): pp. 5-11, 2003]. This workshop will build on the discussions at workshops at previous IAIA conferences and will specifically address a draft document that has been prepared. Input from all people interested in SIA and/or social development is invited.

Community responses to the next generation of energy technologies

Format: Paper session

Convener(s): Daniel Franks, Francesca Viliani

IAIA Section: Social Impact Assessment

The global energy mix is shifting, and with this change new community, social and health challenges have arisen. This paper session explores the role of impact assessment in assisting communities to understand the unfamiliar and assisting proponents to respond to community concerns at the local level. The session traverses "green" and unconventional energy technologies including, biomass, hydro, solar, wind, oil sands, shale gas and coal seam gas.



Impact of dams on communities: lessons learned and the future role of SIA

Format: Workshop

Convener(s): Eram Aftab, Ali Habib

IAIA Section: Social Impact Assessment

The World Commission on Dams estimates that 40-80 million people have been displaced by dams. A WCD report highlights how displacement leads to landlessness, joblessness, increased morbidity, loss of social and cultural resilience, and an often irreversible decline in living conditions. With the new wave of dams being proposed in developing countries, there is a need to revisit the social impacts considering the WCD recommendation. The workshop will include the WCD and other diverse stakeholders who will interact to improve the future role of SIA in development.

The impact of new transportation facilities on urban gentrification

Format: Panel

Convener(s): Carlos Perez Brito, Rafael Acevedo-Daunas, Ernesto Monter Flores

IAIA Section: Social Impact Assessment

As Latin America cities modernize their transportation systems, one phenomenon that hasn't been sufficiently analyzed is the impact of infrastructure on urban gentrification, and particularly the dynamics of improvements and displacement. This session will discuss the analysis and tools developed that integrate mobility, buildings, and environmental and census data to analyze the impact of the metro, not only on the urban gentrification process but also in relation to environmental and social management and mitigation measures.

Proposed sessions

STRATEGIC ENVIRONMENTAL ASSESSMENT

Experiences with different types of SEA: from legislation to big projects

Format: Paper session

Convener(s): Thomas Fischer

IAIA Section: Strategic Environmental Assessment

The session aims at determining whether the establishment of a more systematic approach to SEA is possible, based on empirical evidence gained from applying the instrument to different decision making situations or decision tiers.

Using SEA for effective development planning

Format: Paper session

Convener(s): Cary Anne Cadman

IAIA Section: Strategic Environmental Assessment

The session aims to promote adoption of SEA as an effective tool to mainstream environment into development planning in Africa. The expected outcome of the session is improved understanding of when and how to use SEA as an upstream planning tool to effectively manage environmental and social risks associated with development interventions in Africa.

Strategic marine assessments

Format: Paper session

Convener(s): Amanda Chisholm, Gunnar Sander

IAIA Section: Strategic Environmental Assessment

The cumulative impacts of human activities can seriously disrupt marine ecosystems and reduce their ability to deliver goods and services. An ecosystem approach has been advocated as a central means of ocean management, requiring an extensive knowledge base and different assessment approaches, including SEA, EIA, and marine spatial planning. This session is proposed to increase awareness within IAIA of ongoing marine planning and assessment initiatives and to share experience acquired so far.

Added value of SEA

Format: Practitioner exchange

Convener(s): Marie Hanusch, Monica Fundigslund Tetlow

IAIA Section: Strategic Environmental Assessment

How can SEA more explicitly consider and communicate how it can add value in any specific context? The need for SEA to be "fit for purpose" has become somewhat of a mantra in the field of SEA, but perhaps without sufficient focus on how this might practically be achieved. We suggest it is time to operationalize this concept and to encourage practitioners to establish and communicate more explicitly what the "purpose" of SEA is.

Utopian goals or effective tools? Public and stakeholder engagement in SEA

Format: Paper session

Convener(s): Giorgio Baldizzone, Ralf Aschemann, Carlo Rega

IAIA Section: Strategic Environmental Assessment

Despite their being key points in a successful SEA, public participation and stakeholder engagement are often limited to a simple "presentation" of the plan/program. But a participative SEA can be extremely effective. Case studies will be presented on how good participatory strategies are useful in reducing the time of planning, coping with uncertainties and conflicts, while increasing ownership and alternative visions, deepening key themes and, ultimately, improving the final plan/program.

Applying the EU SEA Directive: case studies and innovative approaches

Format: Paper session

Convener(s): Ralf Aschemann, Giorgio Baldizzone

This session reviews innovative SEA case studies and their contribution to creative and new approaches within the SEA process in the European Union. Papers are invited for promising SEA practice regarding various topics, such as baseline data, scoping, elaborating a high quality environmental report, public participation, or monitoring.

AGRICULTURE, FORESTRY & FISHERIES

The expanded FAO definition of agriculture and its new relevance to ESIA

Format: Theme forum

Convener(s): Patrick Duffy

An expanded definition for agriculture comes from the FAO, opening an opportunity for fresh thinking and planning in ESIA in the IAIA. New guidelines from U.N. agencies and others provide the tools to expand the application of assessments. The proposed theme forum offers the opportunity to equip the new generation of practitioners for the challenges in the sectors. Papers are welcome on this and other AFF topics.

DISASTERS & CONFLICT

Survival in a changing world: experience in assessing climate risk

Format: Paper session

Convener(s): Charles Kelly

IAIA Section: Disasters and Conflict

Climate change has gained considerable attention recently in impact assessment, but the fundamental challenges of dealing with climate-related risks, which include a changing climate as well as floods, cyclones and droughts, have received less attention. We intend to bridge this gap by considering both aspects of climate risk assessment in one session.

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IMPACT ASSESSMENT: TOOLS

BREADTH OF IA: MORE COMPREHENSIVE VERSUS TIGHTER FOCUS

It's all in the mix: The lost art of integration

Format: Paper session

Convener(s): Bryony Walmsley, Peter Tarr, James Baines

In the same way that lining up the flour, sugar, eggs and butter on the kitchen counter does not make a cake, compiling an appendix of specialist studies does not make an environmental assessment. We would like to solicit recipes from EA practitioners on how they have gone about baking the "Integration Cake," from selecting and coordinating the specialists to analyzing the information, identifying indirect impacts, and minimizing the risks of unforeseen consequences.

IA FOLLOW-UP: SUCCESS OR A BROKEN RECORD?

Following up IA follow-up: the next generation?

Format: Paper session

Convener(s): Jos Arts, Angus Morrison-Saunders

What is the current state of practice with IA follow-up? How does follow-up occur for the three generations of impact assessment: EIA, SEA, and sustainability assessment? If you have theoretical or practical examples of effective IA follow-up, we would like to hear from you! The proposed session will feature a series of short presentations followed by facilitated discussion.

NEW TOOLS AND IA PRACTICES

Incorporating ecosystem services in ESIA: practices, challenges, and opportunities

Format: Paper session

Convener(s): Orlando Venn, Ilse Aucamp, Florence Landsberg

The community of practices around incorporating ecosystem services in ESIA has grown as a result of, among others, the International Finance Corporation's 2012 Performance Standards. This session will allow social and environmental practitioners to present examples of ESIA's addressing ecosystem services, discuss the associated costs and benefits with incorporating ecosystem services in ESIA, and present what they see as the potential and limitations of ecosystem services in contributing to create a sustainable world.

Territorial impact assessment: a tool to support territorial cohesion

Format: Paper session

Convener(s): Thomas Fischer, Mojca Golobic

Territorial Impact Assessment (TIA) has been brought forward as an instrument helping to achieve territorial cohesion. The focus of TIA can be manifold, including, e.g., territorial characteristics as receptors of impacts, the territorial distribution of impacts and territorial evaluation of impacts. Papers are invited to this session on European TIA research and practice as well as on other international approaches which also aim at assessing territorial impacts.

Innovative modeling tools for sustainable energy policy assessment

Format: Theme forum

Convener(s): Jean-Philippe Waaub

Energy policy assessment can be achieved through different decision processes and methodological approaches. Emerging unconventional energy resources, conventional ones and even demand side management options are competing to fulfill growing energy demand. More integrated analysis is needed. Modeling tools help even to take into account sustainability issues on the long term. Following the Porto conference, all those points can be discussed and analyzed in depth through case studies and presentation of innovative modeling tools.

TOOLS FOR IA PRACTITIONERS

White elephants of impact assessment

Format: Panel

Convener(s): Caroline Raphael (to be confirmed)

Impact assessment theory and practice tends to be dominated by ideas and experiences in the use of tools, procedures, guidelines and legislation. However, what is acknowledged is that theory and knowledge on the human dimension of impact assessment is lacking. This session explores what are the "white elephants" of impact assessment that effect the process and outcomes and how they can be addressed in the new suite of impact assessment tools.

How am I supposed to do this? Methods to address ecosystem services in ESIA

Format: Pecha Kucha

Convener(s): Florence Landsberg, Ana Gabriela, Jo Tweek

While new impact assessment standards require ESIA to address ecosystem services, guidance on how to do it is sparse. Practitioners with experiences in incorporating ecosystem services in ESIA will present their method and discuss it with the audience. Ideas from this session will inform further discussions on best practice standards in addressing ecosystem services in ESIA.

Environmental baseline data in the IA process: what is appropriate?

Format: Paper session

Convener(s): Paul Krause

This session is designed to bring IA professionals from industry, consulting, academia, and agencies together to share case studies and lessons learned on how high quality and robust environmental baseline data have benefited projects. Additionally, it will generate discussion topics and help focus future projects to develop the appropriate level of baseline rigor.

IA LAW, POLICIES AND PRACTICE

Governing geoengineering through environmental assessment

Format: Panel

Convener(s): Neil Craik, Jason Blackstock

IAIA Section: IA Law, Policies and Practice

This session will consider the implementation of EA law and policy to emerging geoengineering technologies. There will be a particular emphasis on the governance role that EA processes can play in generating decision making conditions that respond to the emergent nature of geoengineering technologies, the global nature of the potential impacts from geoengineering, and the very complex ethical issues that surround these proposals.

Chinese IA system and trends

Format: Practitioner exchange

Convener(s): Yinghua Hu

IAIA Section: IA Law, Policies and Practice

This session will explore the Chinese IA system's development history, the topics and various requirements of the IA in China, and the trends and impact analysis of IA in China.

Proposed sessions

CULTURAL HERITAGE

Who has the right to define cultural heritage values in impact assessments?

Format: Paper session

Convener(s): Arne Tesli, Inge Lindblom

IAIA Section: Cultural Heritage

We have observed that the practice of defining cultural heritage values varies between different situations and countries. In this session we want to focus on the following questions and issues: How is cultural heritage value defined in impact assessments? Who has the right to define the scope and value of cultural heritage? Practice in different countries, and participation and involvement in definition of cultural heritage value and scope.

The contribution of new technologies in cultural heritage studies for IA

Format: Paper session

Convener(s): Christopher Polglase

IAIA Section: Cultural Heritage

This session will explore a number of new and evolving technical approaches and how they contribute to cultural heritage studies in support of impact assessment. Participants will provide examples of the application of such technologies and technical approaches as GIS, remote sensing (use of satellite data or ground-based applications), LiDAR, marine survey tools, data modeling, and the online and nearly real time tracking of baseline data to enhance protection of cultural heritage.

Cultural resources as a component of SEA

Format: Workshop

Convener(s): Arlene Fleming

IAIA Section: Cultural Heritage

This workshop will examine several SEAs that have included cultural resources, and others wherein attention to cultural resources was lacking but would have been beneficial. Workshop participants will identify and discuss strategies for stimulating attention to cultural resources in SEA, including training and institutional collaboration, and develop an action plan.

PUBLIC PARTICIPATION

Public participation, value conflict, and the politics of impact assessment

Format: Paper session

Convener(s): John Devlin

IAIA Section: Public Participation

Projects continue to put economic valuations foremost while social and environmental concerns are given only secondary consideration. This session invites cases demonstrating how public participation seeks to redress this imbalance and the political dynamics that such efforts create.

CSR in a globalizing world: the role of civil society in shaping its future

Format: Paper session

Convener(s): Nonita Yap

IAIA Section: Public Participation

There are different views on why companies adopt CSR. One says CSR is the right thing for business to do to help address global poverty, increasing environmental insecurity, and governance deficits. A second views adoption of CSR as being in the firm's economic interest. These views are not unchallenged. Some argue that CSR is but a strategy to forestall effective regulation. Others caution that CSR builds relationships of patronage and dependency. All views are welcome.

When things go sideways: understanding emotion, opposition and outrage

Format: Workshop

Convener(s): Stephani Roy McCallum, Tamara McCarron,

Tannis Topolnisky, Estee Trudeau

In an increasingly complex and global world, high-stakes projects can provoke large-scale opposition.

Understanding triggers for emotion, conflict and opportunities to resolve or diffuse these situations is critical. This workshop provides some tools to understand and address these situations. We will cover identifying and understanding the triggers for emotion and outrage, learning the link between conflict and emotion in situations of complexity, and learning approaches for diffusing high emotion in large-scale community involvement.

Social media and public participation in IA

Format: Paper session

Convener(s): Gwen Brice, Bert Enserink

IAIA Section: Public Participation

This session will consider how social media are being used in practice by project proponents and public participation practitioners to facilitate public participation in IA. The potential of social media to collect and disseminate information, the power of social media to mobilize the public in disputes, and the challenges this poses to project proponents and public participation practitioners will be explored.

Public participation in IA follow-up

Format: Paper session

Convener(s): John Devlin

IAIA Section: Public Participation

This session will discuss public participation in EA follow-up activities in both developed and developing countries. It considers examples of current EA follow-up programs and provides recommendations for improvement paying particular attention to the role of the public and the concept of community-based environmental monitoring. Papers that demonstrate successful public participation in EA follow-up or discuss the future of IA follow-up are particularly encouraged.

RESEARCH AND IA

Research and Impact Assessment (I)

Format: World Café

Convener(s): Richard Morgan

The first of two sessions, this will be an opportunity for IA researchers to meet other researchers and to discuss practical issues of doing research in this field, and the role of IAIA in supporting research. Themes for discussion might include: How can IAIA better support researchers, including research students? Do we need mechanisms within IAIA to facilitate researcher interaction, especially between conferences? Are there ways to use IAIA to access research funds?

Research and Impact Assessment (II)

Format: Workshop

Convener(s): Richard Morgan

This will be a dynamic "research brokerage" session! Come with a research idea, including topics inspired by the conference itself, for which you are seeking collaborative partners (e.g., research project, edited book, etc.). Present an outline of your idea in no more than three minutes; then we will use breakout groups to discuss individual ideas and explore ways forward. Groups will make brief reports back to the whole session.

SPECIAL TO IAIA

Writing and submitting papers to IAPA journal: an interactive workshop

Format: Panel/Workshop

Convener(s): William Ross

Come and meet Angus Morrison-Saunders and Francois Retief, the editors of IAIA's journal, *Impact Assessment and Project Appraisal*. Angus and Francois will give advice to IAIA members and potential contributors of papers about the process of writing and submitting articles, including the process of dealing with reviewer comments, and even being a reviewer. It is all about what IAIA members need to know and provides the opportunity to meet the editors and ask questions about the mysteries of the publication process.

IAIAConnect

Convener(s): IAIA HQ

Join us if you would like to learn more about IAIA's professional networking site and how it can benefit you. Bring your questions, and we will walk through online discussions, sharing resources, and finding other members with similar interests. We can even take your photo and upload it to your profile! IAIAConnect will be demonstrated at a special session and/or during coffee breaks.

IAIA Affiliates forum

Format: Workshop

Convener(s): Iñigo Sobrini

Representatives from IAIA's Affiliates will give short presentations followed by questions and discussion. The presentations will specifically address the benefits Affiliates obtain from their IAIA affiliation and how Affiliates "give back" to IAIA. Each Affiliate will present its own experience in order to help those who are not yet taking advantage of their benefits (at least not with all of their potential), and open new ways to get synergies from each other and IAIA. This will also help IAIA members develop more Affiliates in their regions, and possibly help existing local associations/organizations to join IAIA as Affiliates.

Other Affiliates will assist and participate with their ideas during additional discussion. Everybody is invited; we encourage you to join us if you intend to create an Affiliate in your country/region, in order to know more about IAIA Affiliates and Branches.

Posters are also being displayed by many of the Affiliates. Plan to stop by during the poster session to visit with representatives of the Affiliates and learn more about their organizations and activities!

POSTER SESSION

Posters are a creative and popular alternative to the oral presentation of a paper. In a poster session, there is no formal oral presentation; instead, each author is assigned a display area on which diagrams, graphics, pictures/photos, and a small amount of text are presented. Posters will be on display throughout the conference and are generally self-explanatory, but IAIA also dedicates a block of time for delegates to view the posters and visit directly with the authors.



Posters, IAIA08

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Training courses

11-12 MAY 2012

IMPORTANT DATE: 15 MARCH

Please register early! Courses will be cancelled if they do not reach the minimum number of paid participants by 15 March 2013.

In consideration of the trainers and their need to prepare appropriate quantities of course materials, registrants may not change courses after 22 April.

Reminder: *IAIA advises delegates to plan ahead: prepare and apply for visas and all other travel documents early.* Please apply for your visa at the same time as you send your conference registration to ensure that your visa is received in time for the conference.

ABOUT TRAINING COURSES

IAIA pre-conference training courses are presented primarily by IAIA members. The courses are open to all participants but require advance registration and payment.

IAIA13 pre-conference training courses will be held from 09:00 - 17:00 on Saturday, 11 May, and Sunday, 12 May. The courses will be held at the congress center.

IAIA's 2-day courses cost US\$395. This fee includes course materials, light lunches, and coffee breaks. Participants in the training courses who are not registered for the IAIA conference will be assessed an additional US\$75 fee. Course fees must be paid in full before you will be enrolled in the training course.

Please register early! Courses will be cancelled if they do not reach the minimum number of paid participants by 15 March 2013.

Minimum/maximum class sizes are noted. If the training course for which you have registered does not meet the minimum number by 15 March, IAIA HQ will notify you and provide refund information or offer to transfer you to another course. **Course registration after 15 March is possible but is subject to availability, instructor consent, and receipt of payment.**

If you must cancel, your course registration fee will be refunded minus a US\$75 administration fee and contingent upon a written notice of cancellation received in HQ by 15 April 2013. After 15 April, no refunds will be issued.

Check-in for the training courses will be available at the IAIA registration desk in the congress center at the following times.

- Friday, 10 May • 15:00-17:00
- Saturday, 11 May • 07:30-10:00 and 14:00-17:00
- Sunday, 12 May • 07:30

Name tags will be distributed at check-in and are required for admission to courses. Check-in the day before your course begins is encouraged.

For more detailed descriptions of the courses, including outlines of activities, listings of course materials, and background information on instructors, see the IAIA Web site (www.iaia.org > IAIA13).

STUDENT TRAINING COURSE FEE WAIVERS

A **limited number of free training course registrations are available to student participants of IAIA13** once courses reach their minimum paid enrollments. If you are interested, please send your name, a 300-word statement of interest explaining how the chosen training course could contribute to your research or student career, and first and second course choices to (impact@iaia.org) by 5 April. Allocations of the free training course slots will be made by 12 April 2013, based on the order in which the requests were received and subject to instructor approval.

1 CUMULATIVE EFFECTS AND FOLLOW-UP IN IMPACT ASSESSMENT

This intermediate/advanced level course has five purposes:

1. To summarize the state of professional practice regarding the conduct of the fundamental requirements of cumulative effects assessment and management (CEAM) within EIA processes.
2. To plan the accomplishment of the fundamental requirements for an actual proposed project from Canada or the USA.
3. To illustrate the use of environmental sustainability considerations in determining the significance of cumulative effects.
4. To discuss adaptive management (and monitoring) as follow-up activities for large-scale proposals.
5. To summarize policy choices and collaboration approaches for the development of local and regional cumulative effects mitigation and management initiatives.

The premise of this course is that CEAM should be an integral part of, and not separate from, both in-country and international EIA processes. The fundamental requirements are focused on stepwise procedures associated with international best practice principles that guide CEAM professional practice. These procedures and related principles are addressed by identifying key valued ecosystem components (VECs), focusing on those for which CEAM is appropriate; delineating spatial and temporal boundaries for each of the VECs; describing historical baseline conditions and trends; establishing cause-effect linkages between past, present, and future actions and VECs; determining the significance of cumulative effects via the use of environmental sustainability principles; development of follow-up adaptive management programs based on six common elements; and development of project mitigation and regional management programs, as appropriate.

Attention will be directed toward practical approaches for management of cumulative effects, including the use of emissions trading, collaborative planning, and existing or planned institutional policies and programs. Practical processes for both preparing and reviewing CEAM-related documents will be emphasized, along with presentations on case studies and workshop sessions involving interactive groups. Interchange of information and experiences by the participants will be encouraged within all methods of presentation. The anticipated learning outcomes are achieving a better understanding of the principles and practices of CEAM, and the ability to effectively apply them in study planning and review.

Level:	Intermediate/Advanced
Prerequisites:	Foundation training on EIA or CEAM (professional-level short course or University-level specific course or program); and/ or minimum of 2 years in professional experience in planning and conducting EIA or CEAM for environmental impact studies.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	10-50
Instructors:	Larry Canter , Ph.D., Environmental Impact Training (USA) Bill Ross , Ph.D., University of Calgary (retired) (Canada)

2 ECOSYSTEM SERVICE REVIEW FOR IMPACT ASSESSMENT

As a result of new regulatory and financial lending standards, there is growing demand for methods and tools which can help ESIA practitioners to address ecosystem services in their work. This course will teach the Ecosystem Services Review for Impact Assessment (ESR for IA), a peer-reviewed method to assess project impacts and dependence on ecosystem services in ESIA.

The course will draw on *Complementing Environmental and Social Impact Assessments to Address Ecosystem Services: Ecosystem Services Review for Impact Assessment* (to be published in late 2012) and the results of road testing of the method by a number of different industries, including the resource extraction sector.

This course will provide participants with:

- A context and rationale for addressing ecosystem services in ESIA.
- A review of particular needs in the mining and extractive sectors.
- A framework for assessing project impacts on ecosystem services.
- A scoping toolkit for prioritizing ecosystem services during the ESIA scoping phase.
- Instructions for assessing project impacts on ecosystem services.
- Principles for mitigation and management strategies related to ecosystem services.
- Lessons learned from implementing the ESR for IA.

At the training, the participants will get hands-on experience of the ESR for IA through three ESIA case studies drawn from experience in the oil and gas and mining sectors. The case studies will be selected from ESIA's that have been the subject of road testing or submitted by the participants in advance to the training.

At the end of this two-day training, the participants will be able to address project impacts and dependence on ecosystem services in their ESIA's. This course will therefore help practitioners meet the 2012 International Finance Corporation Performance Standard 6 of "maintaining the benefits arising from ecosystem services" and "conducting a systematic review to identify (...) those services on which the project is directly dependent for its operations."

Level:	Intermediate
Prerequisites:	Basic knowledge on environmental and social impact assessment.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	15-30
Instructors:	Orlando Venn , Treweek Environmental Consultants (UK) Jo Treweek , Treweek Environmental Consultants (UK) Florence Landsberg , World Resources Institute(USA)
Special Note:	Participants will need to bring their own laptops to run the Excel-based toolkits independently.

Training courses

3 HEALTH IMPACT ASSESSMENT MASTER CLASS

This is an advanced-level master class that aims to:

- Bring together experienced HIA practitioners to learn from each other by sharing knowledge, understandings and skills about what HIA frameworks, methodologies and methods work best for the various steps of the HIA process in different project/policy sectors and country/community contexts.
- Improve participants' practice of HIA and give them new ideas to try in their own work.
- Identify, develop and communicate more widely, both in the areas where consensus/synthesis on international good practice is achievable and where there are diverging/conflicting views in order to further advance HIA theory and practice.

Using case study, small-group and discussion formats, we will work through some of the most complex and intractable issues that we are faced with in our practice, including developing an appropriate health baseline, consistently analyzing impacts, communicating impacts and risk, developing management plans and finding practical ways to foster integration. Participants will come away with an improved understanding of the theoretical and practical underpinnings of these issues, and an understanding of the strengths and weaknesses of the approaches used by other experienced HIA practitioners.

To facilitate knowledge transfer among experienced practitioners, participants must have been actively involved in at least three HIAs or health components of an IA/ESHIA.

Level:	Advanced
Prerequisites:	Participants must have been actively involved in at least three HIAs or health components of an IA/ESHIA.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	6-45
Instructors:	Marla Orenstein , Consultant, Habitat Health Impact Consulting (Canada) Salim Vohra , Director, Centre for Health Impact Assessment, Institute of Occupational Medicine, (UK) Ben Harris-Roxas , Conjoint Lecturer, Centre for Primary Health Care and Equity, University of New South Wales & Consultant, Harris-Roxas Health (Australia)

4 INNOVATIVE USES OF SEA: STRATEGIC SUSTAINABILITY APPROACHES

Learn how to use SEA as an innovative strategic decision-making support instrument, operating through constructive strategic thinking approaches in a sustainability context.

One way is to establish learning processes that will constructively engage policy, or strategy, formation and formulation, with environment and sustainability drivers. The course will consider the policy dimension in strategic decision-making, whether at policy-making, planning, programme or even major project decision levels. The emphasis will be on the role of SEA, and how SEA need to be conceived and carried out to strategically influence decision making. The critical decision factors approach developed by Partidário (2007) will be used as a basic framework, together with its links to the approaches developed by Gibson *et al.* (2005: sustainability assessment), the OECD-DAC (2006: approach to development cooperation), The World Bank (2008: institutional approach), and UNEP (2009: policy integrated approach).

Expected learning outcomes include 1) the relevance of a strategic contribution to decision-making; 2) how to consider the environment as an integral component of sustainability; 3) why a strategic-based approach if different from an impacts-based approach; and 4) how to apply forms of strategic-based SEA such as the critical decision factors approach.

Learning techniques in this course will be based on case application and dialogues and will involve short presentations, case examples, and group exercises. Participants attending this course are required to have good background on SEA or EIA, and also basic knowledge on policy making or planning to enable advanced workshop discussion. The course is not aimed at delivering recipes, but in stimulating strategic thinking. One of the aspects that distinguish Maria Partidário's training courses on SEA is the strategic nature of the methodological approaches, reflecting different international perspectives and approaches, and the encouragement of innovative thinking in SEA.

Level:	Advanced
Prerequisites:	Basic knowledge on policy-making, planning and Strategic Environmental Assessment or Environmental Impact Assessment.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	10-25
Instructor:	Maria R. Partidário , Associate Professor, Instituto Superior Tecnico (Portugal)

See page 31 for other Health-themed conference activities.

5 INTEGRATED ENVIRONMENTAL MANAGEMENT: HOW TO MANAGE AND MAKE EA MORE EFFECTIVE

While more and more environmental assessments are being conducted, it is also true that a plethora of topic-specific Environmental Assessments (EAs) are being done as well, such as social impact assessment, health impact assessment, traffic impact assessment, heritage impact assessment, and so on. This fact, together with the direct experience of the trainers and feedback from IAIA12 participants, indicates that the profession is, perhaps, moving away from an integrated approach to environmental management. There may be many reasons for this, but one could be that there are many practitioners (as well as regulatory authorities) who are uncertain as to how integrated impact assessments can be conducted.

The aims of this 2-day course, therefore, are to assist anyone who manages, writes or contributes to an EA to:

- Understand the concept of Integrated Environmental Management (IEM) and why it is essential to improve the effectiveness of EA and to deliver on sustainable development goals.
- Provide guidance on how to manage the EA process to achieve IEM.
- Provide practical tools to analyze impacts in an holistic manner.

The course will combine lectures delivered by the trainers, general discussions and group work.

The learning outcomes will include:

- Participants will be better able to assemble and manage multi-disciplinary teams of specialists and forge a multi-disciplinary undertaking into a product useful for decision making.
- Participants will have a better appreciation and confidence about how to present information to the client, public and decision makers so that the direct and indirect implications of a policy, plan or project on the environment can be clearly understood.
- Participants will be provided with tools to conduct integrated analyses.
- Participants will be made aware of common pitfalls and how to deal with them.

Level:	Anyone who manages, writes or contributes to an EA.
Prerequisites:	Participants must have some basic knowledge of EIA and SEA processes.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	15-35
Instructors:	Charlotte Bingham (USA) Bryony Walmsley , Manager, Southern African Institute for Environmental Assessment (South Africa)

6 INVOLUNTARY RESETTLEMENT

This two-day program will provide a master class for intermediate-level resettlement practitioners. The program will focus on complex, multi-component development projects (e.g., large irrigated perimeters, dams, potable water storage and supply, energy and extractive industries—mines, gas and oil pipelines). The organizers will combine structured presentations with real-life issues that have arisen in resettlement operations. Further, the discussions—both during and after each presentation—will focus on the participants' experiences and questions in order to resolve practical issues and problems that arise in resettlement operations and to build their confidence to move towards a more advanced level of understanding and practice in this field.

A basic organizational premise of this workshop is that practitioners in the field work in relative isolation. Often their decisions are correct, but there is nowhere to vet their thinking or their approach. Consequently, workshop goals and learning outcomes include:

- Provide an opportunity for intermediate resettlement practitioners to review best practice resettlement planning and implementation guidance.
- Increase the level of confidence that participants have with more complex multi component development projects requiring resettlement.
- Through case studies and participant questions, expose participants to a variety of different resettlement scenarios, challenges, and solutions.
- In view of the one-off nature of professional development courses, establish (among participants) the foundation for a professional network that will enable participants to continue this knowledge-sharing after they complete the workshop.

The workshop is premised on, and designed to take full advantage of, the participants' own broad range of sectoral and geographic experience through a balanced mix of instructor presentations and sessions (moderated discussion, group work and presentations) designed to enable participants to put the principles described in the presentations into practice ("Principles into Practice Sessions"). Broadly, the workshop is divided into two days, with the first day principally focusing on "Resettlement Planning" and the second on "Resettlement Implementation."

Level:	Intermediate
Prerequisites:	Participants are expected to be familiar with international policy and practice (e.g. World Bank OP 4.12, IFC Performance Standard 5, EBRD Performance Requirement 5, or similar) and have at least two years of practical experience with involuntary resettlement, community development programs (including participatory involvement), and/or economic rehabilitation initiatives in rural and/or urban areas in the context of development projects. Participants in public, private, and non- government organizations that are involved in a variety of resettlement projects (linear, areal, small scale, as well as large scale) are welcome.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	8-25
Instructors:	Gordon Appleby , Consultant, World Bank, Millennium Challenge Corporation (USA) Agnieszka Rawa , Managing Director, Millennium Challenge Corporation (USA) Mahamadou Ahmadou Maiga , Resettlement Manager (Mali)

7 MULTICRITERIA ANALYSIS FOR ENVIRONMENTAL IMPACT ASSESSMENT OF PROJECTS AND PLANS: THEORY AND PRACTICE

This course provides theoretical insights and hands-on experience with the application of multicriteria analysis (MCA) to EIA and SEA. Specifically, the course will address the following topics:

1. Basic concepts of decision theory (definition of objective, criterion, decision tree, etc.)
2. Structuring a decision problem
3. Introduction to the philosophy of multicriteria analysis for environmental decision-making
4. Methodological steps in multicriteria analysis: value functions, weight assessment, aggregation techniques, sensitivity analysis, and presentation of results
5. Working with a Decision Support System (DSS)
6. Application example in the realm of EIA and SEA (using MCA to compare alternative infrastructure developments and spatial plan policies)
7. GIS-based MCA: dealing with the spatial component of environmental decision-making problems

The teaching method is based on theoretical lectures, group discussions and hands-on exercises using specific software (DSS) that implements MCA. This will allow participants to gain insights on the usefulness of MCA, and on its potential applicability in their field of work.

Expected learning outcomes:

- Understanding the advantages and limitations of MCA
- Structuring a decision problem requiring multiple criteria
- Understanding the differences between main MCA techniques
- Familiarizing with approaches for weight assessment and sensitivity analysis
- Skills in using a DSS to conduct MCA
- Understanding the role played by technical experts, stakeholders and decision makers in MCA-based decision-making processes
- Gaining first-hand experience by analyzing real-life (though simplified) case studies

Level: Intermediate. The target audience of this course is practitioners, international agency personnel, public officers, and students interested in environmental decision making and in the comparison of options in impact assessment procedures.

Prerequisites: No prior experience with decision support systems is required, but participants should be familiar with EIA and/or SEA.

Language: English

Duration: 2 days (11-12 May)

Min/Max: 10-30

Instructor: **Davide Geneletti**, Lecturer/Researcher, University of Trento (Italy)

Special Note: Participants should plan to provide their own laptops or to be prepared to share a laptop with a fellow participant for the hands-on activities.

8 NEXT GENERATION APPROACHES FOR MAINSTREAMING BIODIVERSITY IN IMPACT ASSESSMENT FOR PROMOTING RESPONSIBLE GROWTH

Environmental professionals, decision makers and developers around the globe have perceived impact assessment as a means to evolve synergy between biodiversity conservation and economic well being. Experience, however, shows that most development models continue to project “sustain only” or “develop mostly” options. These growth models have questioned the genius and merits of impact assessment practice in aiding simultaneous achievement of gains in biodiversity and economic sector.

In last four decades, impact assessment has evolved from a “permitting tool” to a “planning instrument” and subsequently as a “mainstreaming tool” to internalize the goals of biodiversity conservation into economic policies and programmes. Despite this, biodiversity has often remained largely “side-streamed” in development decisions. Narrowly-focused EIAs of individual site-specific projects in the past often failed to integrate biodiversity values in development decisions.

Impact assessment techniques cannot stand still but must undergo progressive advancement to identify promising mechanisms and initiatives for mainstreaming interventions and outcomes for biodiversity. Significant advances toward fine-tuning of the existing assessment practice and development of new pathways that encourage lifecycle thinking, gender dimensions of impacts and integrated approaches for assessing cumulative impacts of multisectoral development plans and policies are becoming increasingly effective in addressing landscape level impacts on biodiversity. This course attempts to share with participants of the course the successful application of many of these emerging EA tools.

This course aims to renew “professionalism” of impact assessment professionals, planners, developers, decision makers and academia for optimizing the benefits for biodiversity. Such a course is relevant to the conference theme and is appropriate filler for a long-standing need of building capacity of EA community to adopt new generation mainstreaming tools for linking biodiversity resource security and development.

Level: This is an intermediate level course for mid-career EA professionals, business groups, the conservation community, decision makers, government officials, donor agencies and economists. The course aims to enhance the conceptual understanding of the need to mainstream biodiversity in developments and advance IA practice to promote responsible growth.

Prerequisites: Participants are required to have basic understanding of ecological concepts, especially those that relate to landscapes, spatial planning and environmental economics.

Language: English

Duration: 2 days (11-12 May)

Min/Max: 10-25

Instructors: **Asha Rajvanshi**, Professor and Head, Environmental Impact Assessment Cell, Wildlife Institute of India (India)

Vinod Mathur, Senior Professor and Dean, Wildlife Institute of India (India)

9 QUALITY ASSURANCE IN EIA: GUIDE AND REVIEW

This course will combine lectures delivered by the trainers, general discussions and individual and group work. It will have two main parts: the first will provide the delegates with insights into how the EIA process should be guided. This will include aspects such as writing terms of reference, adjudicating proposals from consultants and how to provide oversight to the whole EIA process. Examples from recent projects will be used to highlight the learning points.

The second part will deal with review. This will include methods and frameworks that can be used to review scoping, EIA and EMP reports; key questions to be asked and how to make decisions on the information provided in the documentation. Again, we will use examples from some of the many projects we have been involved with over the past few years.

The learning outcomes will include:

- Participants will have a better appreciation and confidence about how to guide and review large and small EIAs.
- Participants will be provided with some tools (templates, criteria, frameworks, decision-trees) to write ToRs, run a tendering process, adjudicate proposals, manage the entire EIA process and review the documentation.
- Participants will be made aware of common pitfalls and how to deal with them.

Level: Intermediate/Advanced

Prerequisites: This course is primarily aimed at decision makers and corporate EIA managers who are responsible for setting Terms of Reference, adjudicating EIA proposals and reviewing the final documents. Therefore the participants must be in positions where they carry out these tasks. They need to understand the EIA process and legal requirements.

Language: English

Duration: 2 days (11-12 May)

Min/Max: 15-35

Instructors: **Peter Tarr**, Executive Director, Southern African Institute for Environmental Assessment (Namibia)

John Pallett (Namibia)

10 SOCIAL IMPACT ASSESSMENT AND MANAGEMENT

This intermediate course provides an overview of leading industry practice of SIA consistent with IAIA's International Principles for Social Impact Assessment. We address current issues and topics that are relevant to the business of managing the social impacts of planned interventions. The trainers are an expert with considerable industry consulting experience and a leading academic in the field of SIA. The course goes beyond traditional approaches which saw SIA as only occurring in project settings driven by a legislative framework. In the understanding being advanced, SIA is much more than the *ex-ante* prediction of social impacts: it is the process of managing the social issues and a mechanism to ensure beneficial outcomes are achieved.

This course will appeal to early career SIA practitioners, people who commission SIAs, people who would like to do them, people who are involved in assessing them, and people with a general interest in the field. Specific course objectives are to:

- Increase awareness of new developments in SIA thinking and practice.
- Create awareness of the benefits to proponents of seeing SIA as a process of engagement rather than being limited to a point-in-time assessment.
- Strengthen understandings of the social nature of impacts on communities.
- Build practical knowledge in how to conduct an SIA.
- Increase ability to critically evaluate an SIA.
- Increase awareness of approaches to ensure SIA commitments are implemented.
- Provide tools to realize the potential of proponents to contribute to longer term sustainability outcomes.
- Increase comprehension of the ethical, human rights and legal issues in SIA practice.

The course provides frameworks and tools to consider issues such as social impact management plans, sustainable livelihoods, human rights, gender, free, prior and informed consent, agreement-making with Indigenous peoples, cumulative impacts, social investment partnerships, grievance mechanisms, and highlights emerging trends.

Level: Intermediate. This course will appeal to early career SIA practitioners, people who commission SIAs, people who would like to do them, people who are involved in assessing them, and people with a general interest in the field. It is not intended that people with considerable SIA experience attend this course.

Prerequisites: No specific prerequisite; however, it is presumed that participants will have a general understanding of EIA.

Language: English

Duration: 2 days (11-12 May)

Min/Max: 5-30

Instructors: **Ana Maria Esteves**, Director, Community Insights (The Netherlands)

Frank Vanclay, Professor, University of Groningen (The Netherlands)

Training courses

11 THE CULTURAL HERITAGE COMPONENT OF IMPACT ASSESSMENT: CLASSROOM AND FIELD TRAINING WITH EMPHASIS ON INDIGENOUS PEOPLES AND EXTRACTIVE INDUSTRIES

This course will present general guidance for strengthening the cultural heritage component of EIA and SEA with special reference to extractive industries and their cultural impacts on local communities, including indigenous peoples. The course will include case studies and a field trip to Head-Smashed-In Buffalo Jump, a UNESCO World Heritage Site. The site visit will address the issues of valuation of indigenous culture and the role of indigenous stakeholders in the management of their cultural heritage. Participants on the field trip will complete an analytical exercise. A summary of this exercise will be presented at a proposed session on the IAIA13 program to feature presentations by major stakeholders and discussion of issues relevant to the recognition and perpetuation of indigenous cultures in development and other contexts.

The course covers the various definitions and aspects of culture and cultural heritage. An interactive format provides for discussion of the value placed on both cultural practices and material culture by diverse stakeholder groups involved in the development process. Standards and guidance materials for covering cultural heritage in EIA and SEA are presented and discussed, including the detailed World Bank Physical Cultural Resources Safeguard Policy Guidebook, the Physical Cultural Resources Country Profiles, the policies of the World Bank and the International Finance Corporation (IFC) on cultural heritage and the cultural aspects of their policies on indigenous peoples, the Akwe:Kon guidelines, and the Rio Tinto cultural heritage guidance for interaction with local communities, as well as a compendium of additional references on techniques and tools. A step-by-step discussion of the cultural heritage component in the EIA process, including creation and monitoring of the Environmental Management Plan, indicates the considerations, actions, and methods required at each step.

A brief presentation on SEA highlights the importance and rationale for including culture and cultural institutions in this investigative and planning process, and a discussion of cumulative effects encourages participants to consider long-range impacts of development projects on cultural heritage.

Level:	Intermediate/Advanced
Prerequisites:	This course is appropriate for participants from all regions of the world who have a general knowledge of impact assessment and an interest in the cultural component of EIA and SEA.
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	6-25
Instructors:	Arlene K. Fleming , Cultural Resource and Development Specialist Advisor on cultural impact assessment to the World Bank and other organizations (USA) Juan D. Quintero , Senior Environmental Specialist, Independent consultant and advisor (USA) Iosif (Joe) Moravetz , Senior Project Archaeologist, Bison Historical Services Ltd. (Canada)

12 UNDERSTANDING IMPACT ASSESSMENT: PRINCIPLES, METHODS, AND EMERGING TRENDS

This course for individuals who have recently started to work with some form of impact assessment, or will be doing so in the near future, and need to learn more about the nature of the process. These may be people using impact assessments to help with their decision making or having to provide information or other forms of input to an impact assessment process. One key purpose of the course is to broaden participants' understanding of the impact assessment process as a whole, and to appreciate the breadth of application, and what constitutes good practice impact assessment. In particular it aims to show that the basic principles of impact assessment are shared across all forms of the approach, and in different decision-making contexts (policies through to projects).

A second important aim is to highlight significant emerging trends in impact assessment, both in specific forms of impact assessment (such as health impact assessment), but also in newer applications of impact assessment. The latter category would include, for example, the consolidation of the Equator Principles among private sector financial institutions, the increasing recognition of human rights impact assessment, and the steady expansion of climate change impact assessment.

The first part of the course sets the scene, addressing the purposes and benefits of well grounded impact assessment. A generic model of impact assessment is then employed to explore the broad methods and approaches of IA. That model underpins the consideration, in the second part of the course, of the various forms of impact assessment: from social, cultural, and health to ecological/biophysical; and from strategic assessment of policies to project-level IA. The generic model emphasizes an integrated perspective of impact assessment, and the various forms of IA are seen as being interdependent. This platform is then used to explore some of the more important trends in impact assessment.

As the course progresses, I try to link key themes to topics being addressed in the IAIA conference itself. This helps participants derive greater benefit from the conference, especially for those relatively new to the field. In 2013, this training course will be very pertinent to the conference theme.

Level:	Introductory
Prerequisites:	None
Language:	English
Duration:	2 days (11-12 May)
Min/Max:	6-35
Instructor:	Richard K. Morgan , Professor, University of Otago (New Zealand)

WORLD BANK GROUP DAY

Part A. Consultation with IAIA Conference Participants on the Review and Update of the World Bank Safeguard Policies

Convener: Stephen F. Lintner, World Bank

The purpose of the review and update process is to develop the next generation of Safeguard Policies to better enable the World Bank and its borrowers to achieve sustainable development results. The consultation will provide conference participants with an overview of the progress in development of an integrated safeguards framework and give them an opportunity to provide comments. Documents concerning this ongoing process are available at www.worldbank.org/safeguardsconsultation.

Part B. Applying IFC Performance Standards: Progressive Realization of Key Principles

Presentation and discussion

Convener: Reidar Kvam, IFC

IFC's Performance Standards, which became effective in January 2012, represent a comprehensive framework for addressing environmental and social risks and opportunities in private sector projects.

During this session, IFC will present the Performance Standards Achievement Rating approach (PSAR), the indicators used, and how IFC uses this information in its decision making and support to clients.

Part C. Country Safeguard Systems: Asian Development Bank and World Bank Experience

Presentation and discussion

Convenors: Nessim J. Ahmad, Asian Development Bank and Stephen F. Lintner, World Bank

Over the past 20-30 years, developing countries, with the support of international financial institutions and other parties, have made great strides in assessing environmental impacts of projects, compensating for involuntary resettlement, and protecting vulnerable groups. They have developed their legal frameworks, their national and local implementing institutions, and a whole range of relevant standards and regulations to manage environmental and social risks and impacts of development activities. This totality of laws, regulations, and institutions constitute country safeguard systems. In the future the readiness of country systems will also be important for countries seeking to access the Climate Investment Fund (CIF) and Reduced Emissions from Deforestation and Forest Degradation (REDD+) funds. The focus of this part of the program will be on innovation, new ideas and new approaches from around the world on how to continue to develop and improve these country systems.

Thursday, 16 May | 13:45-18:00 | Price \$15. Price includes light lunch and afternoon coffee break with snack.

focus on HEALTH

These sessions are being organized as a special "Health Day" by IAIA's Health Section (page 12). Additional information will be provided in the final program.

- **The science and art of international HIA practice: key messages**
Theme forum
- **The science and art of international HIA practice: reflecting the range of HIA practitioners**
Paper session - papers invited!
- **The science and art of international HIA practice: old issues and new applications**
Paper session - papers invited!
- **The science and art of international HIA practice: let's discuss**
Workshop

For more on health, also see (page 12):

- **Using Health Impact Assessment to achieve sustainable goals**
Panel
- **Integrating health in impact assessments: opportunities not to be missed**
Theme forum

Training course (page 26)

- **Health Impact Assessment Master Class**

HIA DAY IS SPONSORED BY THE HIA 2009 "ON THE MOVE" STEERING GROUP.

Technical visits

ABOUT TECHNICAL VISITS

Please register early! Technical visits will be cancelled if they do not reach the minimum number of paid participants by 15 March 2013.

Minimum and maximum numbers of participants are noted. **If the visit for which you have registered does not meet the minimum number by 15 March, IAIA HQ will notify you and provide refund information or offer to transfer you to another visit. After 15 March, registrations will be accepted on a first-come, first-served basis until 22 April or the visits reach the maximum number.** Registrations will be processed 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 received in HQ by 22 April. After that time, no refunds will be issued.

The tours will be hosted in English.

Family members of registered delegates are welcome to register for technical visits at the same rate.

Casual clothing and walking shoes are recommended.

Delegates are not expected to pay tips to the servers for meals. No alcoholic beverages will be served or available.

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

Liability statement: 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.

Reminder: *IAIA advises delegates to plan ahead: prepare and apply for visas and all other travel documents early.* Please apply for your visa at the same time as you send your conference registration to ensure that your visa is received in time for the conference.

A | ATHABASCA OIL SANDS

This tour of the Athabasca oil sands in the Fort McMurray area includes a charter flight and guided visit to two projects: an open pit mine and a SAGD (steam injection) project.

A chartered jet will leave Calgary early in the morning and will over fly the oil sands areas prior to landing in Fort McMurray. Buses will take the participants to the sites. Lunch will be hosted by Fort MacKay First Nation.

They will provide an aboriginal context to oil sands development in a brief talk and Q and A following lunch. Participants will re-board the jet to return to Calgary.

Saturday, 11 May date changed to Friday, 17 May

Depart 07:00-08:00 | **Return** 19:00-20:00

Depart and return from Calgary (YYC) airport.

Passport is required.

Minimum-Maximum 90-125

Price \$450*

Price includes chartered air transportation, ground transportation, and lunch.

Special notes: Moderate level of physical activity. Sturdy shoes, warm and waterproof outer layers recommended. Odors are possible.

The return time on this visit may be subject to change due to weather conditions.

Pre-registration and pre-payment is required by 22 April.

**At the time of printing the preliminary program, this field trip is tentative subject to sponsorship. Even with sponsorship, the trip is costed at \$450 per person. IAIA will notify you and refund your money if sponsorship is not found to cover the additional cost of the visit or the minimum number of registrations has not been received by 22 April.*

C | EIA LESSONS FROM THE KANANASKIS VALLEY

Kananaskis Country is a large, multi-use provincial wild land recreation and environmental protection area bordering the east side of Banff National Park.

With Calgary, a city of 1.1 million people within an hour's drive, the challenges to maintain the ecological integrity of this spectacular Rocky Mountain front range country are large. Measures to protect Kananaskis country and Heads of State during the 2002 G8 Summit Meeting just nine months after 9/11 were elaborate. These and other subjects will be reviewed on site. Outstanding photography and wildlife watching opportunities are also part of the experience.

Saturday, 11 May

Depart 08:00 | **Return** 16:00

Minimum-Maximum 15-48

Price \$105

Price includes transportation, lunch, and taxes.

Special notes: Moderate level of physical activity. Sturdy shoes, cold/wet weather gear appropriate for mountain environment, sunscreen, and camera recommended. The return time on this visit may be subject to change.

B | ATHABASCA OIL SANDS AND FORT MCKAY: ABORIGINAL COMMUNITY VISIT IN THE OIL SANDS REGION

The Fort McKay First Nation and Metis Community is at the centre of Canada's oil sands mines. It is now in the process of a major cultural shift as it adapts to new economic and environmental realities of intensive resource development.

We will spend our first day in the Athabasca oil sands, as described in technical visit A. On our second day, we will visit this community in transition, and hear presentations on history and culture, initiatives to work with its industry neighbors and to manage impacts, such as its odor monitoring program.

There will opportunities to meet with the elders and observe traditional activities such as a trap line, a traditional cabin, and the reserve itself.

Saturday, 11 May and Sunday, 12 May

Depart 07:00-08:00 | **Return** 18:00-19:00

Depart and return from Calgary (YYC) airport.

Passport is required.

Minimum-Maximum 25-60

Price \$550*

Price includes chartered air transportation, ground transportation, meals, and overnight accommodation.

Special notes: Moderate level of physical activity. Sturdy shoes and warm, waterproof outer layers are recommended. Odors are possible.

The return time on this visit may be subject to change due to weather conditions.

Pre-registration and pre-payment is required by 22 April.

**At the time of printing the preliminary program, this field trip is tentative subject to sponsorship. Even with sponsorship, the trip is costed at \$550 per person. IAIA will notify you and refund your money if sponsorship is not found to cover the additional cost of the visit or the minimum number of registrations has not been received by 22 April.*

IMPORTANT DATE: 15 MARCH

D | BANFF NATIONAL PARK: TRANSPORTATION CHALLENGES IN A WORLD HERITAGE SITE

The controversial TransCanada Highway twinning project in Banff National Park, a World Heritage Site, is now acknowledged as a world-class example of sustainable development and “design with nature” in a precious natural environment. An on-site explanation of the project, its successes and surprises since inception in 1972 will be presented by former and current principal personnel involved in the project.

A new project to resolve the untenable circumstance of grizzly bear mortality from a major rail line traversing the same Bow River Valley has just begun. The elements of this problem, the partnership with Canadian Pacific Rail and the first 18 months of research accomplishment will be reviewed with on-site presentation.

A pre-trip Saturday evening presentation will introduce details about both projects. Time and location will be confirmed at a later date.

Sunday, 12 May

Note Saturday evening presentation.

Depart 08:00 | Return 16:00

Minimum-Maximum 30-51

Price \$100

Price includes transportation, lunch, snacks and drinks, admission fees, and taxes.

Special notes: Moderate level of physical activity. Wear sturdy shoes and warm wet-weather gear. Sunscreen and camera recommended.

E | DINOSAUR PROVINCIAL PARK

A trip to Dinosaur Provincial Park—a UNESCO World Heritage Site—will take you back 75 million years in time.

Dinosaur Provincial Park is a treasure trove of fossils and one of the most productive fossil beds in the world. Forty dinosaur species have been discovered at the park.

We will take an on-foot hike into the park with an interpreter to discover what lies hidden just beneath the age-old sandstone and shale and how development is reconciled with this preserved area.

In addition to exploring the badlands, we will enjoy a trip to the Royal Tyrell Museum Field Station where bone fossils, footprint fossils, egg fossils and more are displayed and interpreted.

This tour will especially interest those with an interest in paleontology, archaeology, geography or history.

Sunday, 12 May

Depart 08:00 | Return 18:00

Minimum-Maximum 15-53

Price \$150

Price includes transportation, lunch, snacks and drinks, and admissions and interpreter fees.

Special notes: Moderate level of physical activity (hiking). Sturdy boots, wet weather gear, sunscreen, insect repellent and camera recommended. The return time on this visit may be subject to change.

F | HEAD-SMASHED-IN BUFFALO JUMP AND WIND FARMS

Head-Smashed-In Buffalo Jump—a UNESCO World Heritage Site—has been continuously inhabited by Aboriginal peoples of the plains for more than 5,500 years.

This tour will allow participants the opportunity to learn about aboriginal culture in the Plains region, including the cultural importance of land and animals.

The area is also home to some of the first wind farms developed in Alberta. A wind farm tour will allow participants an opportunity to learn about technical aspects of wind farm operations including siting, mechanics and will allow participants to hear and see for themselves the impacts of a wind turbine.

Sunday, 12 May

Depart 08:00 | Return 18:00

Minimum-Maximum 15-53

Price \$140

Price includes transportation, lunch, technical guide fees, and taxes.

Special notes: Moderate level of physical activity. Sturdy shoes, wet weather gear, and camera recommended. The return time on this visit may be subject to change.

G | CALGARY EAST VILLAGE WALKING TOUR

Calgary's East Village is an example of an urban development project that began in a run-down area of town, home to many of Calgary's worst-off residents. It is a real-life story of the benefits and downfalls of urban revitalization projects from social, health and environmental perspectives.

Progress in East Village has been rapid: \$150 million in infrastructure improvements since 2007, with construction still ongoing. The tour will start with a presentation over lunch by an East Village representative about the area's history, the barriers, success stories and community engagement strategies used, and the challenges that still lie ahead.

We will walk to East Village sites, ending at the Calgary Walk-In and Rehabilitation Centre, where we will hear about some of the initiatives in place for fighting homelessness in Calgary.

Sunday, 12 May

Depart 11:00 | Return 16:00

Minimum-Maximum 15-30

Price \$65

Price includes lunch, guide fees, and taxes.

Special notes: Moderate level of physical activity. Walking shoes, warm clothing, and rain gear or sunscreen (depending on weather) recommended.

H | HISTORICAL BUILDINGS IN THE TOWN OF BANFF

The Town of Banff is the birthplace of Canadian National Parks. This tour, guided by Parks Canada historians and project architects, will include visits to several historical buildings that have undergone recent historically accurate updates. The sites include:

- The Cave and Basin hot springs (not operating)
- The Banff Springs Hotel
- The Banff Park Museum
- Parks Administrative Building

These sites reflect the evolution of Parks Canada policies in the past 100 years and the existence of a successful Townsite within an ecologically sensitive national park. Time will also be available to visit the operating Upper Hot Springs and the Banff townsite.

Friday, 17 May

Depart 08:00 | Return 18:00

Minimum-Maximum 10-53

Price \$155

Price includes transportation, lunch, admission fees, and taxes.

Special notes: Moderate level of physical activity. Wear sturdy shoes and warm wet-weather gear. Sunscreen and camera recommended.

I | BAR U RANCH NATIONAL HISTORIC SITE/ LESSONS IN IMPACTS OF LAND USE CHANGE

The Bar U Ranch National Historic Site is a preserved ranch that for 70 years was an original ranching operation in Canada, extending over 160,000 acres with 30,000 cattle and horses. The Historic Site provides a window into the rapid transformation from pre-European culture to a vast ranching culture. At present, the same changes are ongoing elsewhere (e.g., East Africa, Brazil, and Australia).

Located in scenically breathtaking area, the Historic Site is a fascinating way for us to learn from history.

Lessons on the field trip will be carried over to AFF sessions in the conference.

Friday, 17 May

Depart 09:00 | Return 18:00

Minimum-Maximum 40-51

Price \$110

Price includes transportation, lunch, snacks, wagon ride, and taxes.

Special notes: Moderate level of physical activity. Wear sturdy shoes and warm wet-weather gear. Sunscreen and camera recommended.

Networking activities and social events

WELCOME RECEPTION

The IAIA13 welcome reception promises to be something very special. On behalf of the Calgary Stampede, we welcome you to a Wild West Rodeo! An event like no other, you will experience a custom viewing of what makes the world famous Calgary Stampede so special. Your evening will kick off with a bang and move through the rodeo's favorite events: the physically demanding bareback riding, the classic saddle bronc, death-defying arena acrobats, ladies' barrel racing, and of course bull riding! Once in your seat, you can sit back, relax and get ready to see how long 8 seconds really can be. Come along to meet up with old friends, make some new ones, and get your conference off to a great start.

Pending sponsorship.

Tuesday, 14 May

Location: To be confirmed.

Pre-registration is required.

BANQUET

The week's work is nearly over. While enjoying superb Canadian fare, relax and exchange conference experiences with old colleagues and new acquaintances, or take this last opportunity to meet someone you might not have had a chance to see during the week.

Pending sponsorship.

Thursday, 16 May

Location: To be confirmed.

Price: \$50

Pre-registration is required.

BOOK SHARE

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



DINE OUTS

The tradition of Dine Outs is back for IAIA13. Share an evening sampling some of the region's signature food at a "pay your own way" dinner. From burgers to seafood (yes, seafood in landlocked Alberta!), Indian, Vietnamese, Italian or Mongolian dining, the Calgary gastroscapes covers it all. Local restaurants specialize in prairie and mountain cuisine—elk tartare, oat-crust trout cakes, bison ribs, or cedar-planked Arctic char glazed with local Chinook honey and Brassica mustard. AMEC, as a local host, will organize the Dine Outs and help you experience the best of the local cuisine in Calgary. To join, sign up on the forms that will be available in the registration area. Dine Outs are a great opportunity to meet new people and see different parts of the city.

Dinner on May 12 for those who attend technical visits and/or training or those who have arrived early and hope to meet fellow IAIA attendees for the evening.

Dinner on May 14 for all IAIA attendees.

JOBS BULLETIN BOARD

A bulletin board specifically designated for job advertisements will be available in the exhibition area. If you are looking for a job or if your company has jobs to post, bring along the announcement! Also see Career Central (<http://www.iaia.org/careercentral/>) before and after the conference for the latest job openings.

ON TWITTER?

Tweet about IAIA13 before, during, and after the conference using **#iaia13**.



BUFFET OF IDEAS

IAIA13 continues a simple methodology introduced at IAIA09 for hosting conversation about issues of interest and concern.

The "Buffet of Ideas" is an informal networking session that provides participants the opportunity to create their own workshops in small groups over lunch.

This meeting method allows yet another opportunity for participants to network, sharing ideas on topics of interest and connecting with colleagues who have similar interests, but you might not meet during formal sessions.

At lunch on Tuesday, select tables will be labeled with discussion topics. Find a table with a topic you would like to discuss and have a seat. Lunch is provided, and discussion flows.

Delegates are encouraged to contribute topic ideas; just send a two-to-five word title (e.g., "My Worst SEA Ever" or "Dealing with Difficult Clients") to jen@iaia.org by 15 March.

FUN RUN

The Fun Run continues to grow in popularity. This is a great way to start the day and network with fellow runners. The route 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 Patrick Duffy (pjduffy@shaw.ca).

Wednesday, 15 May | 07:00-08:00

Pre-registration and nominal fee (\$5) are required.

See the announcement board at the IAIA

registration desk for meeting time and location.



Exhibitors, students, and mentors



EXHIBITS, BOOTHS AND DISPLAY MATERIALS

Advertise your company or demonstrate your project: prominent display space is available! Contact IAIA HQ (jen@iaia.org) before 15 March 2013 for information and rates on exhibit booths, table space, and poster panels.

A table will be provided for IAIA members to display information, distribute conference papers, or announce/distribute non-commercial items. Delegates must personally be in attendance at the conference to display materials.

DELEGATE PACKET INSERTS

If you would like to distribute materials (brochures, flyers, or other suitable materials) in delegate packets, contact IAIA HQ (jen@iaia.org) for rates and shipping information before 15 March 2013.

All materials must be approved by IAIA prior to inclusion in the delegate packets.

Important deadlines ...
please note!

BEST STUDENT PAPER COMPETITION

The competition began in 2010 at the initiative of IAIA's Students and Early Professional Section and Board of Directors for promoting academic and professional development in the field of impact assessment and is based on papers submitted in conjunction with presentations at the IAIA annual conference. All student-authored papers are automatically entered into the competition.

The award consists of a certificate mailed to the author and a featured notice in the IAIA newsletter. The winning best paper has potential to be published in IAIA's journal, *Impact Assessment and Project Appraisal*.

See www.iaia.org > IAIA13 for complete details.

STUDENT REGISTRATION FEE WAIVERS

IAIA is pleased to offer a student fee waiver program for IAIA13. This program allows up to ten students a waived conference registration fee in exchange for providing in-kind services on-site at the conference. The 10-12 hours of in-kind services will include an organizational meeting and reporting on at least two sessions, with the balance of activities being organizational or administrative duties.

Eligible students must:

- Be a current student member of IAIA, or apply for student membership.
- Submit the student fee waiver application form by **31 December 2012**. No exceptions!
- Subscribe to the SEP (Students and Early Professionals) Section in IAIAConnect upon acceptance into the program, to facilitate communication.

Fee waivers are allocated in part based on geographic dispersion and on a first-come, first-served basis.

For more information, contact Loreley Fortuny at IAIA HQ (impact@iaia.org) or phone (+1.701.297.7912) for program guidelines and an application form. You will be notified 3-4 weeks after 31 December 2012 whether you have been accepted. Each student selected will be asked to pay a US\$40 processing fee at that time.

MENTORING PROGRAM

The mentoring program helps students, early professionals, and first-time delegates feel more comfortable and less overwhelmed with their IAIA conference experience.

The **Mentor** is an experienced IAIA member with the same interest area as the applicant, or "**Mentee**." The Mentor acts as a discussion partner on common topics of interest for the professional development of the Mentee and as a friendly point of contact for guidance and navigation through IAIA (i.e., members, Sections, conference format). It is not intended that the Mentee shadow the assigned Mentor, but rather that they meet at the conference to begin conversation that extends beyond the event. It is hoped that the two will continue communicating on interest areas throughout the year following IAIA13.

- I would like to be a Mentor
- I would like to be assigned to a Mentor

Please indicate your area of impact assessment experience or interest so that we can match your interests to the extent possible:

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> SEA | <input type="checkbox"/> SIA | <input type="checkbox"/> Biodiversity & Ecology | <input type="checkbox"/> Indigenous Peoples |
| <input type="checkbox"/> EMS | <input type="checkbox"/> Health | <input type="checkbox"/> Environmental Law | <input type="checkbox"/> Public Participation |
| <input type="checkbox"/> Trade | <input type="checkbox"/> Urban Governance | <input type="checkbox"/> Disasters & Conflicts | <input type="checkbox"/> Energy |
| <input type="checkbox"/> Agriculture, Forestry & Fisheries | <input type="checkbox"/> Cultural Heritage | | |

Other: _____

Name: _____

E-mail: _____

Please e-mail Loreley Fortuny (impact@iaia.org) or fax this form to +1.701.297.7917 by **15 March 2013**.

Section activities

MEET THE IAIA SECTIONS!

IAIA is a member-based organization which currently has fifteen 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.

When you pay the non-member conference rate, you automatically become an IAIA member and are eligible to join one or more Sections.

WHY JOIN AN IAIA SECTION?

- Sections are a networking forum for IAIA members, where you can meet your colleagues with similar professional interests.
- Sections promote your personal professional development.
- Sections develop interesting activities that you may want to join.
- See www.iaia.org/sections/ for more information.

WHERE CAN I FIND THE SECTIONS AT IAIA13?

- All sessions that have been organized by the Sections are clearly identified in the preliminary and final programs.
- Each Section will hold one or more Section meetings during the conference, which everyone is welcome to attend.
- Rendezvous 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 Ben Cave, chair of the Sections Coordinating Committee (Ben.cave@bcahealth.co.uk) or the coordinator of a specific Section as listed at right, or visit www.iaia.org > Sections for more information.

CURRENT SECTIONS

Agriculture, Forestry and Fisheries

Patrick Duffy
pjduffy@shaw.ca

Ijeoma F. Vincent-Akpu
ijeoma.vincent-akpu@uniport.edu.ng

Biodiversity & Ecology

Liz Clarke
liz.clarke@scottwilson.com

Orlando Venn
orlandovenn@btconnect.com

Climate Change

Arend Kolhoff
akolhoff@eia.nl

Wes Fisher
wfisher@cadmusgroup.com

Patrick Driscoll
patrick@plan.aau.dk

Corporate Stewardship & Risk Management

Sara Bice
sarabice@accsr.com.au

Rita Sully
ritasully@yahoo.com

Cultural Heritage

Arlene Fleming
halandarlene@msn.com

Disasters & Conflicts

Charles Kelly
72734.2412@compuserve.com

Michel Bouchard
michel.a.bouchard@cogeos.com

Energy

Steeff van Baalen
steeff.vanbaalen@arcadis.nl

Health Impact Assessment

Ben Harris-Roxas
bharris-roxas@unsw.edu.au

Francesca Viliani
francescav@internationalsos.com

IA Law, Policies & Practice

Christine Asare
christina.asare@yahoo.com

Integrated Assessment of Trade-Related Policies

(vacant)

Indigenous Peoples

Martin Haefele
mhaefele@reviewboard.ca

Murray Jones
Murray_8@sympatico.ca

Angeles Mendoza Sammet
angeles@angelesmendoza.com

Public Participation

John Devlin
jdevlin@uoguelph.ca

Sukhad Keshkamat
sukhad_keshkamat@yahoo.com

Strategic Environmental Assessment

Monica Fundingsland Tetlow
monica.tetlow@asplanviak.no

Marie Hanusch
m.hanusch@boschpartner.de

Social Impact Assessment

Daniel Franks
d.franks@smi.uq.edu.au

Rauno Sairinen
rauno.sairinen@uef.fi

Students and Early Professionals

Sophia Carodenuto
sophiacarodenuto@gmail.com

WE WELCOME YOUR SPONSORSHIP OF IAIA13!

Sponsorship demonstrates your environmental consciousness to delegates from around the world while you contribute to the improvement of impact assessment locally and globally.

Contact Bridget John, IAIA HQ (bridget@iaia.org | Tel: +1.701.297.7908) or Richard Roberts (roberts@praxis.ca | Tel: +1.403.685.8375) for a complete sponsorship pack.

INFORMATION FOR SPONSORS

Maximize your sponsorship with these unique opportunities. Maximize your exposure to environmental professionals worldwide by confirming your sponsorship as early as possible.

For recognition in the final program, sponsorship must be confirmed by 31 March 2013. Names and logos will be posted on the IAIA13 Web site as they are confirmed.

Sponsorship opportunities include functions, workshops, Theme forums, lunches, technical visits, coffee breaks and publications.

SPONSORSHIP BENEFITS

Sponsors may choose to support specific elements of the conference or make a general contribution. All sponsors enjoy benefits as summarized below.

NOTE: ALL AMOUNTS ARE IN CANADIAN DOLLARS (\$).	Reef \$1,000-\$5,000	Island \$5,500-\$20,000	Continent \$21,500-\$40,000	Earth \$41,500-\$60,000	Premier More than \$65,000
Recognition in conference publications	✓	✓	✓	✓	✓
Recognition in IAIA newsletter (circulation 1,600+)	✓	✓	✓	✓	✓
Recognition on conference sponsors Web page	Company name	Logo	Logo	Logo with hot link to company Web site	Prominent logo and hot link
Recognition in final program	Company name	Logo	Logo	Logo	Logo on front cover
Final participant list after conference	✓	✓	✓	✓	✓
Complimentary registrations	One	Two	Three	Four	Five
Complimentary banquet tickets	One	Three	Five	Seven	Nine
Attendees receive "Sponsor" name tag ribbon	✓	✓	✓	✓	✓
Half-price registrations for additional staff		One	Two	Three	Four
Black/white advertisement in final program		One 1/4-page ad	One 1/2-page ad	One full-page ad	One full-page ad
Exhibit booth or table-top display discount		25% discount	50% discount	75% discount	100% discount
Complimentary Standard Corporate IAIA membership (1 year) US\$2,000 value			✓	✓	✓
4 issues of IAIA's journal, <i>Impact Assessment and Project Appraisal</i>			✓	✓	✓
4 issues of IAIA newsletter			✓	✓	✓
1 year access to IAIAConnect, IAIA's social networking site			✓	✓	✓
Pre-conference training course discounts (2 persons)				50% discount	100% discount
Named sponsor of one Theme forum or concurrent session				✓	✓
Sponsor-provided satchel insert				One	Two
Profile on conference sponsors Web page				100 words	300 words
Hotlink in monthly IAIA e-news (6,000+)					✓
Acknowledgement in all news releases					✓
Recognition on all conference Web pages					✓
Logo on delegate satchels					✓

Conference information

LOCATION AND DATES

IAIA13 will take place from 13-16 May 2013 at the Calgary Stampede BMO Centre in Calgary, Alberta, Canada, with adjunct events planned before, during and after the conference. Activities will take place at the congress center unless otherwise noted.

The address is BMO Centre/Calgary Stampede, 20 Roundup Way SE, Calgary, Alberta, Canada T2G 2W1 | Tel.: +1.403.261.0531 | <http://venues.calgarystampede.com/>

LANGUAGE USED (CONFERENCE)

English is the primary language used at IAIA conferences. Unless otherwise noted, all sessions will be held in English.

FINAL PROGRAM

IAIA plans to have the final program available on the Web site approximately two weeks prior to the conference, and it will be distributed upon conference check-in or on-site conference registration at the congress centre.

The preliminary program contains the *tentative* schedule and plans; be sure to check the final program to confirm details of activities in which you would like to participate. Please note deadlines of registration for special events.

PUBLICATIONS

IAIA plans to publish full conference papers online following the conference. A Program Committee representative will contact you with details upon acceptance of your paper or poster abstract.

Participants are encouraged to submit their papers for possible publication in IAIA's journal, *Impact Assessment and Project Appraisal*. See www.tandfonline.com/r/iapa for submission information.

PRESENTATION EQUIPMENT

PowerPoint projectors and laptop computers will be provided in each session room. Presenters are responsible for arranging and paying in advance for any other equipment needed for their presentations. Contact IAIA HQ for price information and to order equipment before 31 March 2013. IAIA cannot guarantee that equipment will be available for on-site requests, and payment details will be required upon inquiry.

BUSINESS SERVICES

To avoid equipment rental costs which would necessarily be passed on to delegates in the form of higher registration fees, IAIA does not provide copying, printing, computers or other business services or equipment on-site.

Please plan to arrive prepared, or contact your hotel in advance to ensure that it offers any facilities you may need.

CONFERENCE ATTIRE

IAIA conferences are generally business casual. Casual wear is recommended for the opening reception (rodeo), and layering for warm/cold weather conditions is recommended.

MEALS

IAIA will provide lunches 13-15 May and coffee breaks 13-16 May.

Based on the data collected via registration forms, IAIA will estimate a percentage of vegetarian meals. This does not guarantee accommodation of individual preference.

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. Presenting authors will indicate approval for their audio and/or video recordings to be broadcast online by IAIA during the submission process; 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.

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. Contact IAIA HQ for information on exhibitor registration.

IAIA does not have funds available to pay registration and/or travel expenses for program participants.

Full and student registration fees entitle delegates to attendance at all sessions, coffee breaks 13-16 May, lunches 13-15 May, list of participants, delegate satchel, conference proceedings (as available), and special events, unless an additional fee is noted.

Delegates will receive a name badge upon check-in. The badge is an official pass and must be worn to obtain entry to conference functions. If tickets are required for any events, they will be distributed by HQ.

IAIA members: If it is more convenient for you to pay your annual membership dues at the same time you register for the conference, please contact info@iaia.org for a combined invoice. IAIA will credit your account as having paid an annual 12-month membership fee which will begin on your regular membership anniversary date. Otherwise, you will receive an invoice for membership dues on your regular membership anniversary date. You can also renew your membership electronically if you register online.

Non-members: The non-member rate includes a one-year membership to IAIA, with an electronic subscription to IAIA's journal, *Impact Assessment and Project Appraisal*. Your one-year membership begins when IAIA receives your conference payment.

Student: The student rate includes a one-year membership. If you are a current member, your membership will automatically be extended one year from your anniversary date.

Affiliate members: Members of IAIA Affiliates having an active MoU with IAIA will be admitted to the conference at the IAIA member rate. This rate does not include IAIA membership. You must provide your Affiliate's number on the registration form to take advantage of this offer.

PAYMENT AND REFUND POLICIES

Registration fees should accompany the registration form. To qualify for the Early Bird rate, both the registration form and payment must be received by 15 February 2013.

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, as well as cash in USD or Canadian dollars on site.

Any registration after 22 April 2013 must be made on-site. Official receipts for registrations made after 22 April 2013 will be issued after the conference.

IAIA will refund registration fees upon written request received before 15 April 2013. A US\$75 processing fee will be retained. After 15 April 2013, 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.

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.

General information

HOST CITY

The City of Calgary is in the south of the province of Alberta, approximately 80 km east of the front ranges of the Rocky Mountains. A century ago, Calgary was a sleepy little town with a Wild West pedigree and rural roots. Fast forward to today and “Cowtown” has transformed into the heart of the New West. Situated on the edge of the foothills, with views of the mountains and plenty of flatland to expand into, Calgary has become one of the fastest-growing cities in Canada, a hub of white-collar headquarters for the oil and gas industries. Alberta claims five of Canada’s 13 UNESCO World Heritage sites and four of the five are located in southern Alberta—each an easy day trip from Calgary. (Source: Lonely Planet)

CONFERENCE HOTELS

Our conference host has arranged room blocks at a number of area hotels, with special low rates during the conference (see page 40). Booking details, the number of rooms available, reservation cutoff dates, hotel information, and maps are available online at www.iaia.org > IAIA13. Please book early to ensure that your first choice is available.

CLIMATE

Because of its relatively high elevation (1,084 metres or 3,557 feet above sea level) and the influence of the nearby Rocky Mountains, the city experiences temperature swings throughout the year. Calgary’s spring weather is unstable. May is a transitional month that can deliver lovely, warm, sunny weather—or produce a snowstorm. Dress for change!

LANGUAGE USED (CALGARY)

English is the primary language spoken in Calgary and the province of Alberta.

PASSPORTS AND VISAS

Visitors holding valid passports from the following countries do NOT need a visa to enter Canada:

Andorra, Antigua and Barbuda, Australia, Austria, Bahamas, Barbados, Belgium, Brunei, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel (National Passport holders only), Italy, Japan, Latvia, Liechtenstein, Lithuania (biometric passport holders), Luxembourg, Malta, Monaco, Netherlands, New Zealand, Norway, Papua New Guinea, Poland (biometric passport holders), Portugal, Republic of Korea, St. Kitts and Nevis, San Marino, Singapore, Slovakia, Solomon Islands, Spain, Sweden, Slovenia, Switzerland, Taiwan, United Kingdom (including British Overseas citizens who are re-admissible and citizens of some British Dependant Territories), United States (including persons lawfully admitted for permanent residence and Green Card holders) Western Samoa.

Visitors from ALL OTHER COUNTRIES require a visa to enter Canada.

To apply for a visa or for more information on exemptions, go to http://www.migrationexpert.ca/immigration_canada/.

Delegates who need visas: Canadian organizers recommend that you avoid the need for two visas (U.S. and Canadian) by planning your travel through a major Canadian city (Montreal, Vancouver, or Toronto) rather than stopping over in the U.S. if you cannot fly directly to Calgary.

IAIA advises delegates to plan ahead: prepare and apply for visas and all other travel documents early. Please apply for your visa at the same time as you send your conference registration to ensure that your visa is received in time for the conference.

Application processes may be completed quickly, but additional screening and collecting required documents may take several weeks. If a personal invitation letter is needed for your visa application, please contact info@iaia.org at the time you send your registration.

TRANSPORTATION TO CALGARY

Calgary International Airport (YYC; 403-735-1372; www.calgaryairport.com) is 15 km northeast of the center of Calgary, about a 25-minute drive.

TRANSPORTATION WITHIN CALGARY

Allied Downtown Shuttle Service. This new service provides affordable, regularly scheduled on-demand transportation in fully automated GPS-dispatched shuttle buses between designated pick-up points within the City of Calgary and Calgary International Airport.

Airport departures are every 30 minutes at Bus Bay #8. To purchase tickets, please visit the Allied Shuttle counter on the Arrivals level near Gate C between 08:00 and midnight. Alternatively, you can reserve and buy tickets online. One way ticket = CAD15.

Downtown pick-ups are based on a scheduled on-demand system; however, the shuttle will only stop at pre-determined locations if there is a booking. Please review the schedule online. Bookings can be made either over the phone or online. It is recommended that you leave at least three hours prior to your airplane departure. For more information: www.airportshuttlecalgary.ca | +1 403 299-9555

Public transport. Public transportation in Calgary is efficient and clean. You can choose from the Light Rapid Transit (LRT) rail system, also known as the C-Train, and ordinary buses. One fare entitles you to transfer to other buses or C-Trains. The C-Train is free in the downtown area along 7th Ave, between 10th St SW and 3rd St SE. If you’re going further or need a transfer, buy your ticket from a machine on the C-Train platform. Most of the buses run at 15- to 30-minute intervals daily. There is no late-night service. The C-Train and bus fare per single/day is \$2.25/6.75. For more information: www.calgarytransit.com/route_maps/lrt_stop.html.

Taxi. Taxis are not recommended by local organizers due to cost. For a cab, call Checker Cabs (+1 403 299-9999) or Yellow Cab (+1 403 974-1111). Fares are CAD3 for the first 150m, then CAD0.20 for each additional 150m. To get downtown from the airport is CAD45-50.

BUSINESS HOURS

Most businesses open at 09:00 or 10:00 and remain open to at least 17:00. Major stores and shopping malls remain open until 21:00.

CURRENCY AND CREDIT CARDS

Canadian Dollars (\$/CAD) is the national currency. U.S. dollars and traveller’s cheques are accepted in most hotels and tourist areas. Most foreign currencies can be exchanged for Canadian dollars at banks, currency exchange counters and at many hotels. Banks tend to offer the best exchange rate. Automated Teller Machines (ATMs or bank machines) are common though there may be a service fee. Major credit cards are widely accepted.

TIPPING

Tipping in restaurants is customary and is not included in the bill. If you are happy with the service, a 15% tip is typical. Tipping for other services, such as porters, bellhops and taxi drivers, is also common and at the discretion of the customer.

ELECTRICITY

The electrical supply in Canada is 110 volts at 60 hertz. Wall sockets and plugs use two flat parallel blades. Voltage and plug adapters are required if travelling from most countries outside North America.

SMOKING

In the City of Calgary, smoking is prohibited in public places and workplaces. This includes nearly all indoor spaces that are public (including restaurants and bars). Smoking in outdoor spaces is prohibited within 5m of a doorway, window, or air intake.

TAXES

Most purchases are subject to 5% Goods and Services Tax (GST). Visitors to Canada can obtain a GST tax refund. Find more information at border crossings, duty-free stores or tourism information centres. In Alberta, there is also a 4% tax on hotel rooms.

TOURISM INFORMATION

When in Calgary, there are visitor centres at the Calgary International Airport and in downtown Calgary.

OTHER HELPFUL SITES

- www.visitcalgary.com
- <http://travelalberta.com/>
- www.albertatourism.com/ab/home.do
- www.pc.gc.ca/

Hotel information and maps

IMPORTANT: BOOK EARLY!

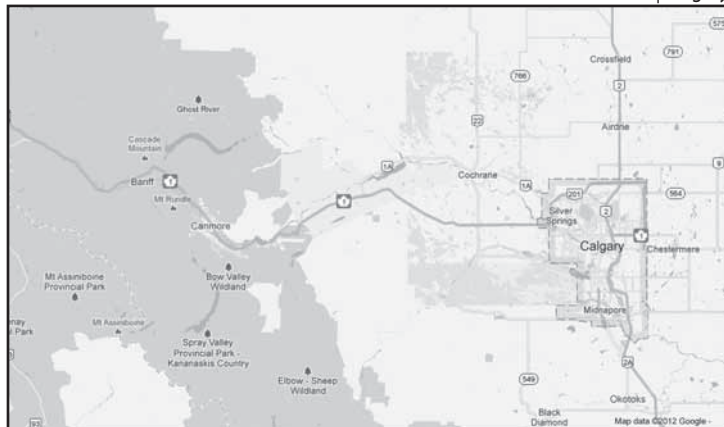
Our IAIA13 host has arranged room blocks at a number of area hotels with special low rates during the conference. Please book early to ensure that your hotel is available and be sure to mention the IAIA13 conference rate and/or code if noted. Reservation requests after the noted cutoff dates will be based on availability and may be priced at regular (higher) rates.

See <http://goo.gl/maps/NpNrT> for an interactive map with hotel locations.

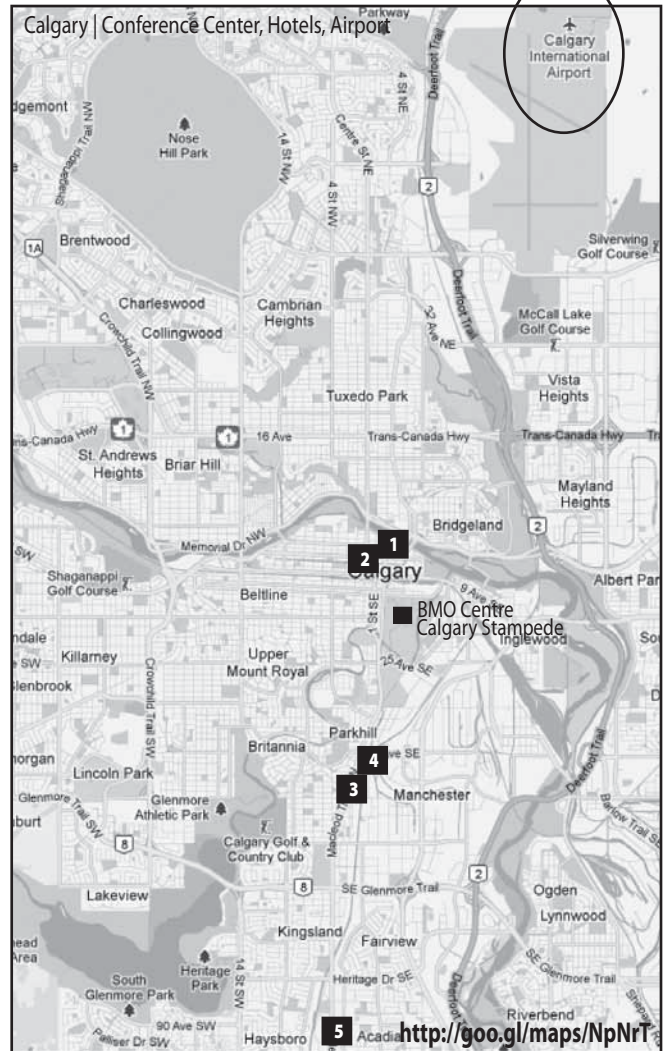
Map #	Hotel	IAIA13 Conference Rate (CAD)	Contact Information	Cutoff Date	Reservations
1	Delta Bow Valley	149.00 - Delta Room 189.00 - Deluxe Room	209 4th Avenue SE, Calgary, Alberta T2G0C6	19 April 2013	http://www.deltabowvalley.com/gfaiaa
2	Calgary Marriott Downtown	209.00 - Standard Room	110 9th Ave SE, Calgary, Alberta, T2G 5A6	18 April 2013	https://resweb.passkey.com/go/IAIA2013
3	Holiday Inn Macleod Trail South	150.00 - Multiple Room Categories	4206 Macleod Trail South, Calgary, Alberta T2G 2R7	12 April 2013	http://www.holidayinn.com/hotels/us/en/calgary/yymc/hoteldetail?formerorcode=2584690305789546365 Group code: IAI
4	Days Inn Calgary South	130.00 - Multiple Room Categories	3828 Macleod Trail S, Calgary AB T2G 2R2	12 April 2013	Reservations should be called in direct to the sales department at +1.403.243.1959 x 7163 or emailed to osman@daysinn-calgarysouth.com . Refer to Code CG7057 . Online booking is not available for the conference rate.
5	Carriage House Inn	159.00 - Multiple Room Categories	9030 Macleod Trail S, Calgary AB T2H 0M4	12 March 2013	https://booking.ihotelier.com/istay/istay.jsp?hotelid=73865&rateplanid=1204558



Canada | Alberta

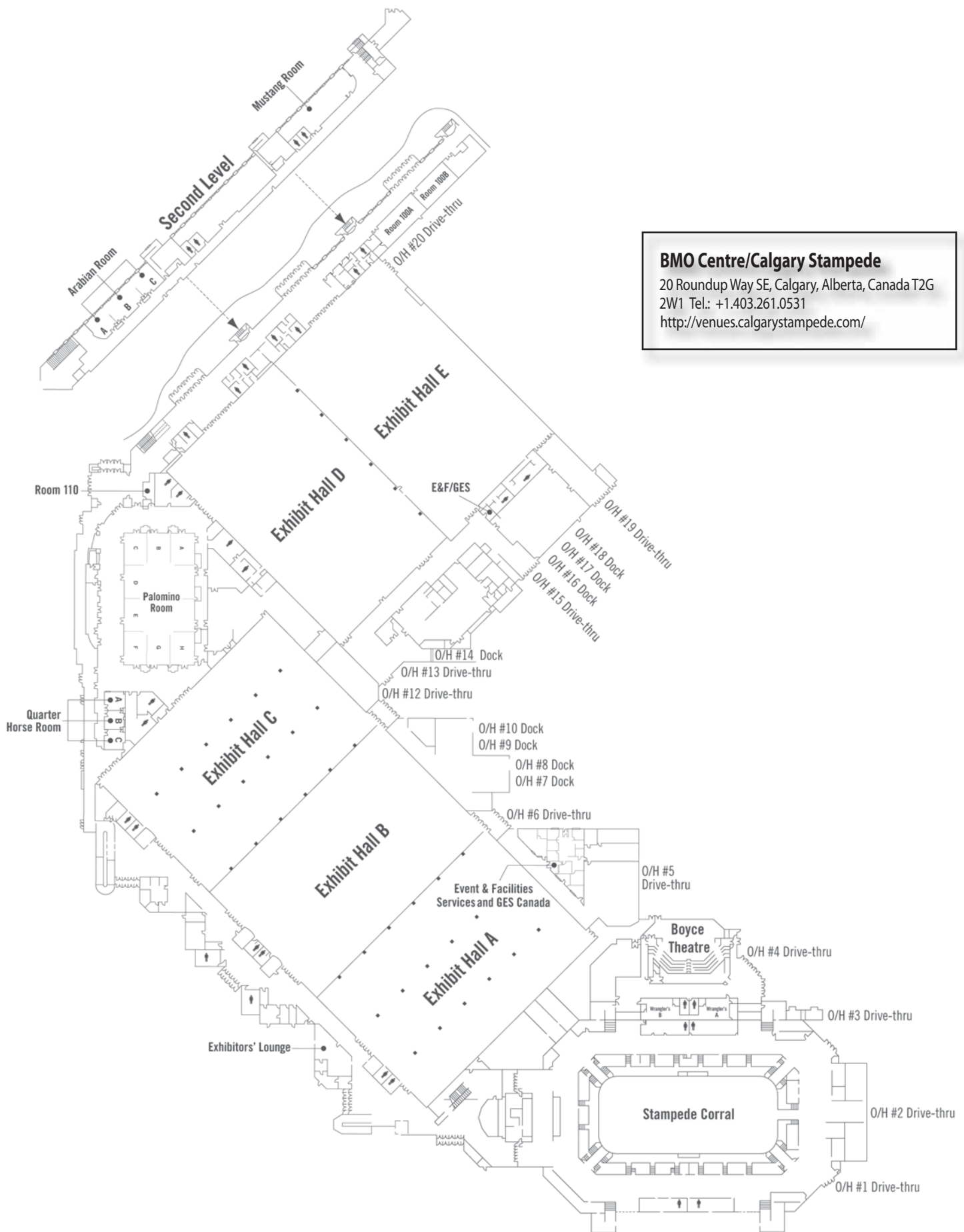


Alberta | Calgary



<http://goo.gl/maps/NpNrT>

Venue map



BMO Centre/Calgary Stampede
20 Roundup Way SE, Calgary, Alberta, Canada T2G
2W1 Tel.: +1.403.261.0531
<http://venues.calgarystampede.com/>

IAIA13 registration form

• Register online today! • Fast, easy and secure • www.iaia.org > IAIA13

1 | DELEGATE INFORMATION

Please fill out form completely. Type or print neatly in BLOCK letters. Be sure to include your name and organization exactly as you would like that information to appear on your delegate badge. Registrations after 22 April 2013 will be accepted on-site only.

Today's date _____ (month)/_____ (day)/20_____ (year)

Mr Ms First name _____

Last (family) name _____

Title _____

Organization _____

Address _____

City _____

State/Province _____ Postal Code _____

Country _____

Phone + _____ Fax + _____

E-mail _____ @ _____

I plan to stay at _____ Hotel. This information is used to estimate room blocks in future years and will not be released.

2 | REGISTRATION FEES (all fees in US\$)

IAIA Member ID# _____ Affiliate ID# _____

Early Bird (by 15 February) **Regular/On-site**

IAIA member/Affiliate member \$575 \$655

Renew my membership, too!

1 Year \$110* * Price includes electronic access to IAIA.
2 Years \$209* Contact IAIA HQ for pricing with
3 Years \$308* paper copies of IAIA.

Non-member \$695 \$775

Student (proof of current enrollment required) \$400

3 | PRE-CONFERENCE TRAINING COURSES

Pre-registration and pre-payment by 15 March is required. After 15 March, registration acceptance is subject to availability, instructor consent, and receipt of payment. Courses may not be switched after 22 April.

- | | | |
|---|-----------|--------------------------------|
| 1. Cumulative Effects & Follow-Up in IA | 11-12 May | <input type="checkbox"/> \$395 |
| 2. Ecosystem Service Review for IA | 11-12 May | <input type="checkbox"/> \$395 |
| 3. Health IA Master Class | 11-12 May | <input type="checkbox"/> \$395 |
| 4. Innovative Uses of SEA | 11-12 May | <input type="checkbox"/> \$395 |
| 5. Integrated Environmental Management | 11-12 May | <input type="checkbox"/> \$395 |
| 6. Involuntary Resettlement | 11-12 May | <input type="checkbox"/> \$395 |
| 7. Multicriteria Analysis | 11-12 May | <input type="checkbox"/> \$395 |
| 8. Next Generation Approaches-Biodiversity | 11-12 May | <input type="checkbox"/> \$395 |
| 9. Quality Assurance in EIA | 11-12 May | <input type="checkbox"/> \$395 |
| 10. SIA and Management | 11-12 May | <input type="checkbox"/> \$395 |
| 11. Cultural Heritage Component of IA | 11-12 May | <input type="checkbox"/> \$395 |
| 12. Understanding IA: Principles, Methods, Trends | 11-12 May | <input type="checkbox"/> \$395 |

Non-IAIA13 delegates add \$75

4 | TECHNICAL VISITS

Pre-payment is required for technical visits. After 15 March, registrations will be accepted on a first-come, first-served basis until 22 April or the maximum number of paid participants is reached. Please note the liability information on page 32.

- | | | |
|----------------------------------|-----------|------------------------------------|
| A. Athabasca Oil Sands* | 11-17 May | # persons _____ @ \$450 = \$ _____ |
| B. Athabasca and Fort McKay* | 11-12 May | # persons _____ @ \$550 = \$ _____ |
| C. EIA Lessons Kananaskis Valley | 11 May | # persons _____ @ \$105 = \$ _____ |
| D. Banff National Park | 12 May | # persons _____ @ \$100 = \$ _____ |
| E. Dinosaur Provincial Park | 12 May | # persons _____ @ \$150 = \$ _____ |
| F. Buffalo Jump and Wind Farms | 12 May | # persons _____ @ \$140 = \$ _____ |
| G. Calgary East Village | 12 May | # persons _____ @ \$65 = \$ _____ |
| H. Historical Buildings Banff | 17 May | # persons _____ @ \$155 = \$ _____ |
| I. Bar U Ranch | 17 May | # persons _____ @ \$110 = \$ _____ |

5 | SPECIAL EVENTS & PROGRAMS

Donation to carbon offset/Calgary Parks (see page 43)..... minimum \$5 = \$ _____

Welcome reception* 13 May # Persons: Delegates _____ Guests _____

Banquet* 15 May # Persons _____ @ \$50 = \$ _____

Fun Run 15 May # Persons _____ @ \$5 = \$ _____

Want to be a Mentor/Mentee? See page 35 and apply by 15 March.

World Bank Group Day 16 May # Persons _____ @ \$20 = \$ _____

6 | MEAL PREFERENCE

I prefer vegetarian meals (See "Meals," page 38) Yes

7 | PAYMENT INFORMATION

* Starred activities are tentative pending sponsorship.

Registration fee US\$ _____

Membership renewal US\$ _____

Total of activities fees US\$ _____

Total amount due US\$ _____

Charge to Visa MasterCard American Express

3 or 4 digit CCV code on back of card _____

Expiration date ____ / ____ (month/year)

Print name on card _____

Authorized signature _____

Check or money order in US\$ drawn on a US bank drawn enclosed.

I will pay on-site with cash or traveler's check (US\$) or cash.

Note: Pre-payment by 15 February for presenters and 31 March for technical visit and training course participants is required.

I am being sponsored by someone other than my employer.

Sponsoring organization _____

Contact person _____

Contact person's phone + _____

Contact person's e-mail _____

8 | SEND REGISTRATION AND PAYMENT

BY MAIL

1330 23rd Street South, Suite C
Fargo, ND 58103-3705 USA

BY FAX

+1.701.297.7917

REGISTER ONLINE

www.iaia.org > IAIA13

QUESTIONS?

Phone +1.701.297.7908
info@iaia.org



ABOUT THE HOST

The Western and Northern Canada Affiliate of the International Association for Impact Assessment was founded in 2004 and includes members from government, consultancies, resource management boards, industry, Aboriginal organizations, and non-government organizations. Its goal is to promote and develop best practice in environmental impact assessment. Members are at the cutting edge in areas such as cumulative effects, monitoring and follow-up, cultural impact assessment, public and stakeholder participation, and responsible resource development. The Affiliate has active chapters throughout western and northern Canada and offers its members activities such as guest speakers, conferences, and networking opportunities. See www.iaia-wnc.ca for more information.

IAIA-WNC is hosting the conference in association with Canada's two other IAIA Affiliates, the Ontario Association for Impact Assessment (www.oaia.on.ca) and l'Association québécoise pour l'évaluation d'impacts (www.aqei.qc.ca).



ABOUT IAIA

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.

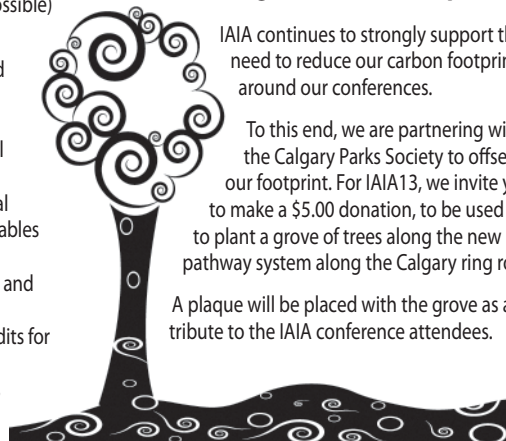
GREENING THE CONFERENCE

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
- 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 IAIA13 conference evaluation form (which will be distributed electronically to delegates following the conference) or by contacting IAIA HQ at any time.

Reducing the Carbon Footprint



IAIA continues to strongly support the need to reduce our carbon footprint around our conferences.

To this end, we are partnering with the Calgary Parks Society to offset our footprint. For IAIA13, we invite you to make a \$5.00 donation, to be used to plant a grove of trees along the new pathway system along the Calgary ring road.

A plaque will be placed with the grove as a tribute to the IAIA conference attendees.

PROGRAM COMMITTEE

Richard Roberts (co-chair)

Miles Scott-Brown (co-chair)

George Hegmann (co-chair)

Ben Cave

Patrick Duffy

Alan Ehrlich

Matt Hammond

Bill Klassen

Jeff Matheson

Geetha Ramesh

Travis Ritchie

Bill Ross

Lorraine Seale

Leigh Speed

Susan Wilkins

LOCAL ORGANIZING COMMITTEE

Richard Roberts (co-chair)

Miles Scott-Brown (co-chair)

Brent Bitter

Roger Creasey

Margot Ferguson

Susan Ferner

Bruce Leeson

Sandra Lukas-Amulung

Angeles Mendoza Sammet

Marla Orenstein

Paul Scott

Rob Walker

SPONSORSHIP COMMITTEE

Richard Roberts (chair)

Miles Scott-Brown

Margot Ferguson

Sandra Lukas-Amulung

Catherine Puchalski

Malcolm Winsby

DON'T MISS THE ONLY INTERNATIONAL, INTERDISCIPLINARY, EDUCATIONAL CONFERENCE DEDICATED TO ADVANCING THE ART AND SCIENCE OF IMPACT ASSESSMENT!

ISLAND SPONSORS



REEF SPONSORS

Human Environment Group

ESSA Technologies

Terrain FX

Hemmera

Hemmera

Critical Management Resources

Hardy Stevenson and Associates

SPONSORSHIP OPPORTUNITIES ARE STILL AVAILABLE!

See page 37 for information.

CONFERENCE TIP FROM THOSE WHO KNOW

Avoid lines at the registration desk the morning of the opening plenary!

Pre-conference check-in is open

Friday, 10 May	15:00-17:00
Saturday, 11 May	07:-30-10:00 and 14:00-17:00
Sunday, 12 May	07:30-18:00

Early check-in will also allow you to familiarize yourself with the venue and the program so that you can get your conference off to a great start on Monday morning!



International Headquarters
1330 23rd Street South, Suite C
Fargo, ND 58103-3705 USA
Phone +1.701.297.7908 • Fax +1.701.297.7917
info@iaia.org • www.iaia.org

IAIA13 at-a-glance

Saturday, 11 May

Training courses All day
Technical visits All day

Sunday, 12 May

Training courses All day
Technical visits All day
Social networking (Dine Outs) Evening

Monday, 13 May

Plenary, forums, sessions All day
Poster session Afternoon
Welcome reception* Evening

Tuesday, 14 May

Plenary, forums, sessions, AGM All day
Social networking (Dine Outs) Evening

Wednesday, 15 May

Fun Run Morning
Plenary, forums, session, Council meeting All day
Banquet* Evening

Thursday, 16 May

Concurrent sessions, closing Morning
Special meetings Afternoon

Friday, 17 May

Technical visits All day

* to be confirmed pending sponsorship

Important dates and deadlines

Please note dates are firm.

31 December 2012

- Paper and poster abstract submission deadline
- Student fee waiver application deadline

15 February 2013

- Early Bird rate ends; Quickpass registration deadline
- Last date authors and presenters may register and pay in full to be included in the final program

15 March 2013

- Five-page draft papers due
- Deadline for technical visit and training course registration
- Sponsorship confirmation needed to be recognized in final program
- Deadline for exhibitors and requests for inserts in delegate bags
- Requests for special audio-visual equipment due
- Mentor/Mentee participant forms due
- Buffet of Ideas suggestions due

15 April 2013

- Paper reviews completed; draft papers posted online

22 April 2013

- Pre-registration cutoff

15 July 2013

- Revised papers due for posting online