

IAIA10 Training Course #12

Increasing tangibility in SEA through Valuation of Ecosystem Services

Level: Advanced

Course Prerequisite: Basic knowledge on Strategic Environmental Assessment

Language of Delivery: English

Duration: One Day (on the second day of training courses)

Instructors:

Maria Rosario Partidario, mrp@civil.ist.utl.pt, Instituto Superior Tecnico (IST) Portugal

Benjamin Landreau, benjamin.landreau@carbonmcgroup.com, COO Carbon Management Consulting

Course Description

Summary of purpose: The course has three main purposes: 1) to lead participants to understand how they can value ecosystem goods and services; 2) how they can integrate such valuation into a broader long-term financial planning approach and 3) how to use long-term financial planning and valuation of ecosystem goods and services to increase tangibility in SEA. Often SEA has been criticized for being too general and qualitative. While that is a matter of fact in many circumstances, there are tools that can be used to help improve the role of SEA for strategic decision-making. This course will introduce participants to one of such tools, the Economic Valuation of Ecosystems Goods and Services (EVEGS), using a case-application approach, with the assistance of two experts on SEA (Maria Partidario) and on Economic Valuation of Ecosystem Goods and Services (Benjamin Landreau).

The course involves short presentations, especially on valuation of ecosystem services, case examples, and group exercises. Participants attending this course are required to have experience or at a minimum good concepts on SEA to enable advanced workshop discussion. Participants are also required to bring

their individual laptop to the course since some training exercises will imply the use of Excel spreadsheets.

Learning Outcomes

- Learn how to use the tool Economic Valuation of Ecosystems Goods and Services (EVEGS)
- Learn how to integrate the EVEGS into a broader Long-Term Business Planning approach
- Understand how to use results from the economic valuation of ecosystem services in SEA

Detailed Course Description

1. Introduction to the course and to the case-application. Importance of valuation of ecosystem services to SEA. Maria Partidario (30 min)
2. The Economic Valuation of Ecosystems Goods and Services. Case example from the Business Plan of the Banc d'Arguin National Park – Mauritania (Benjamin Landreau) (1 hour)
3. Interactive working groups using on case-application: identification of ecosystem services and key stakeholders (assisted by Maria Partidario and Benjamin Landreau) (1,5 hour)
4. Interactive working groups using on case-application: long-term business planning and valuation of ecosystem services (assisted by Benjamin Landreau) (2 hours). The overall objective of this working group is to roughly assess fixed and recurrent costs to meet a given objective and compare them to Economic Valuation of Ecosystem Services. The result can be a powerful tool for advocacy and fundraising.
5. Meaning of, and how to use the results of ecosystem services valuation in SEA (discussion lead by Maria Partidario (45 min))

Materials to be Provided

van Beukering, P., Slootweg, R. and Immerzeel, D. 2008. Valuation of Ecosystem Services and Strategic Environmental Assessment. Influential Case-studies, NCEIA, Utrecht.

Slootweg, R. and van Beukering, P. 2008. Valuation of Ecosystem Services and Strategic Environmental Assessment. Lessons from Influential Cases, NCEIA, Utrecht.

Benjamin Landreau's Spreadsheet on Business Planning and Valuation of Ecosystem Services

Information on Instructors

Maria R. Partidario, PhD, Associate Professor at IST (Instituto Superior Técnico), Technical University of Lisbon, Portugal, long-standing trainer on SEA, environment, planning and sustainability consultant; has trained more than 800 participants throughout the world in 2 to 5 days training courses on SEA, both in the context of IAIA pre-meeting courses and in national contexts (in Europe, Latin America, South East Asia and Africa). Recent courses were offered in Mauritania, Vietnam, China, Chile, Brazil, Portugal, France

Maria was co-team leader in the SEA Distance Learning Course for China, led by the World Bank in collaboration with SEPA (China) and IAIA. Over the years several training courses have been designed and conducted by Maria under contract with private, public and governmental institutions in different countries and as pre-meeting courses at IAIA annual conferences since 1998. Maria is the author of a training manual on SEA (latest version from 2003, available at the IAIA website), co-editor of two internationally published key books on SEA (one with Riki Therivel, 1996, the other with Ray Clark, 2000), and has authored and co-authored several book chapters and journal articles on SEA. In

Portuguese she has prepared two guidance for SEA, the latest in 2007, the SEA Good Practices Guide – Methodological Guidance, published by the National Environment Agency, which support current SEA practice in Portugal.

Maria has been an advisor to UNEP and UNDP recent SEA and Integrated Assessment initiatives, to ELARD, S.A./ UNDP / the Lebanese Ministry of Environment in developing an SEA model for Lebanon, and provided consultancy to the Inter-American Development Bank in developing SEA guidance for application in Latin America. She was a consultant to UNDP in running two capacity-building programmes on SEA, one for the Islamic Republic of Iran, Ministry of the Environment and the second for the Federal government of Brazil, Ministry of Planning and Ministry of Environment. She has also been appointed to several expert panels within the European Union in matters related to SEA. Maria was President of the International Association for Impact Assessment in 1997-98, and awarded the IAIA Individual Award in 2002 for contributions made to the advancement of SEA internationally.

Background: First graduation on *Environmental Engineering*, MSc on *Regional and Urban Planning* and PhD (Aberdeen University, Scotland, 1992) on *Strategic Environmental Assessment*.

Benjamin Landreau, Chief Operating Officer of Carbon Management Consulting and Member of the Rating Committee of CIS Carbon Ratings; has studied Political Science and Information Technologies in France, before earning a MA in Environmental Management in Costa Rica. In the past, Benjamin has been involved in a number of UN environment conservation projects, including the setting up of an Environmental Trust Fund aimed at sustainably financing a network of Comorian protected areas. He also came up with the first Economic Valuation of Ecosystems Goods and Services for the Banc D'Arguin National Park in Mauritania. Further to this work experience in Africa, Benjamin spent two years in Costa Rica, where he gained additional environmental management experience and specialized in the Climate Change sector and the Clean Development Mechanism. Over this period, he has built specialized knowledge related to Economic Valuation of Ecosystems, the CDM and climate change mitigation policies.

This expertise allowed Benjamin to represent Carbon Management Consulting in several international seminars. For instance, last year he gave several presentation at the Africa Carbon Forum in Dakar. In March, Benjamin was a resource person at the “Expert Meeting on Maritime Transport and Climate Change” organized by the UNCTAD in Geneva, where a promising “Cap-and-Levy” scheme was discussed. Last May, he also participated as a panellist in the MENA Carbon Forum in Cairo. Finally he recently ran several sessions at a seminar organized by the Academy for Nature Conservation, based in Germany, in which were discussed Afforestation, reforestation and Reduced Emissions from Deforestation and Degradation (REDD) initiatives in emerging economies, long-term business planning for Protected Areas, and the need for Economic Valuation of Ecosystem Services.

As a consultant in sustainable development, he acquired a hands-on experience in the implementation of difficult projects in a variety of countries. His contribution to the development of several development projects under the Clean Development Mechanism relies on tested analytical skills, fed with his own field experience.

History of the Course

It is the first time this course is being offered as an IAIA pre-conference training course.

Maria Partidario has been offering a pre-training course on SEA since 1998, every year except in 2008. The course was occasionally offered in collaboration with other experts (in 1998 with Riki Therivel, 2004

with Olivia Bina and 2007 with Lea den Broeder for a special emphasis on health issues). In 2006, 2007 and 2009 the SEA course was offered jointly with Jonathan Allotey and his team.

This course intends to be a variation and specialization of the SEA course, increasing focus on follow-up areas of interest.
