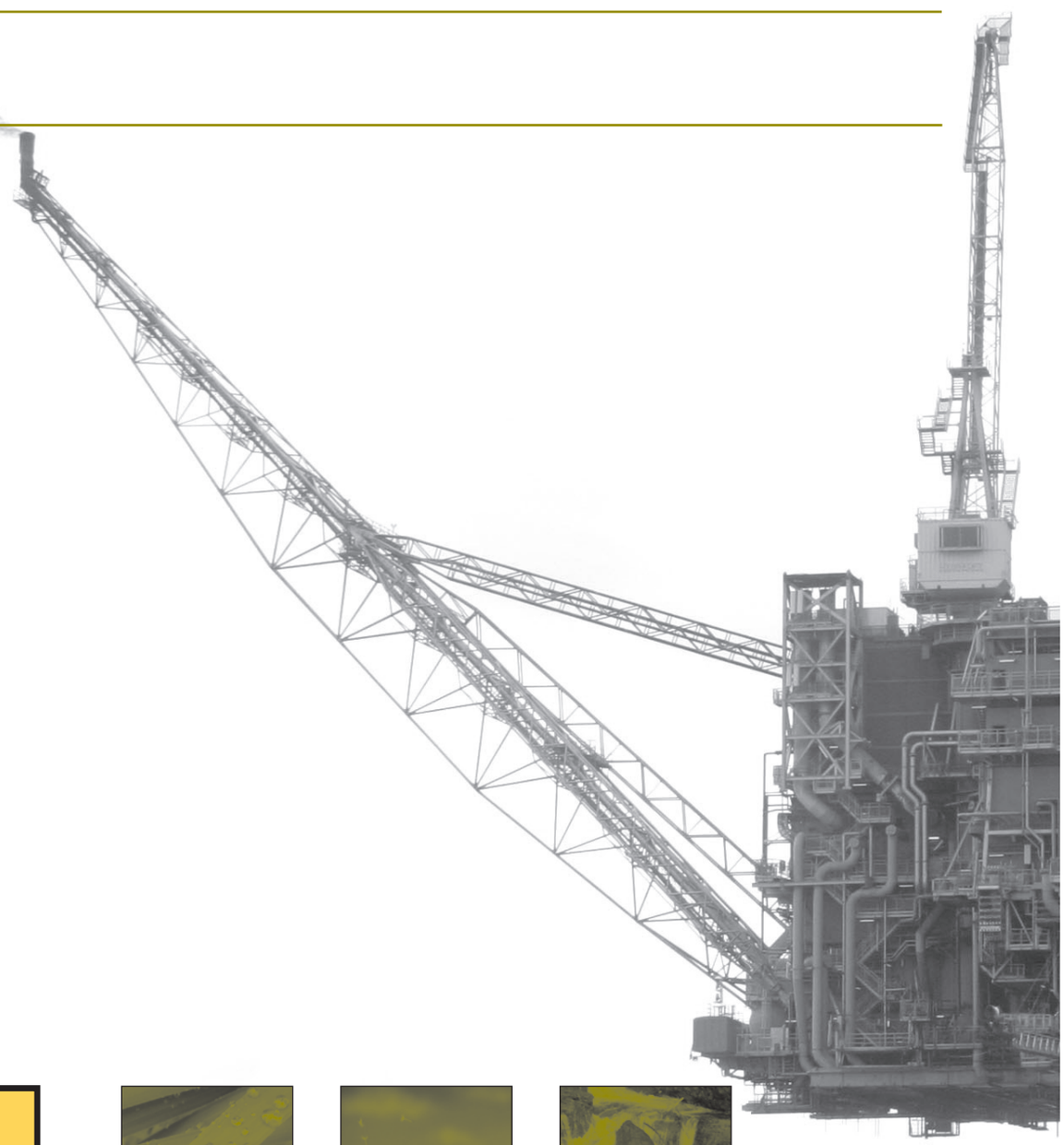
Power, poverty and sustainability
The role of impact assessment

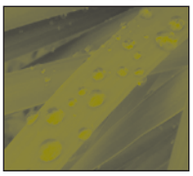
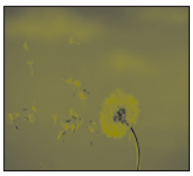
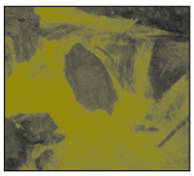
26th Annual Conference
International Association for Impact Assessment

23 - 26 May 2006
Stavanger Forum • Stavanger, Norway

Final program



IAIA 06 STAVANGER NORWAY

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IAIA06 At-A-Glance

Saturday, 20 May
CLEAA Day, CBBIA ..... All Day

Sunday, 21 May
Training courses ..... All Day
Technical visit ..... Evening

Monday, 22 May
Training courses ..... All Day
World Bank Group Day ..... All Day
HIA/SIA Workshop ..... All Day
Nordic IA Day ..... All Day
Opening Reception ..... Evening

Tuesday, 23 May
Plenary, Theme Forums, Concurrent Sessions ..... All Day
Committee Meeting ..... Morning
Boat trip and dinner ..... Evening

Wednesday, 24 May
Theme Forums, AGM, Concurrent Sessions ..... All Day
Practitioners' Forums, Section Meetings ..... Afternoon
Technical visit ..... Evening

Thursday, 25 May
Theme Forums, Concurrent Sessions ..... All Day
Committee Meetings ..... Morning
Poster Session ..... Afternoon
Practitioners' Forums ..... Afternoon
Banquet ..... Evening

Friday, 26 May
Awards Ceremony, Closing Plenary ..... Morning
Committee Meeting ..... Morning
Council Meeting, Technical Visits ..... Afternoon

Saturday-Sunday, 27-28 May
Technical Visits ..... All Day

Conference Venue

Stavanger Forum
Gunnar Warebergs gt. 13
4201 Stavanger
Tel.: +47 51 59 81 00
Fax: +47 51 55 10 15
E-mail: stavanger.forum@stavanger-forum.no
www.stavanger-forum.no

Technical Program

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Welcome to IAIA06

WITH SUPPORT FROM STATOIL

STATOIL

Welcome to IAIA06!

The host of this year's Annual Meeting of IAIA, The Ministry of the Environment of Norway, warmly welcomes you to Stavanger, Norway!

Impact assessment has a strong position in the Nordic countries, but relatively few IAIA members. At this first IAIA annual conference in the region, we have tried to choose and integrate themes of particular interest to the Nordic audience – while at the same time follow up on previous issues and standing themes of IAIA.

The program for the conference is substantial and interesting. Prominent speakers will deal with the issues of "Power, poverty and sustainability: The role of impact assessment" at the opening and closing plenaries. At the 16 theme forum sessions, experts from various fields will guide us into the substance of the topics, while about 430 submitted papers will provide the basis for in-depth presentations and discussions at 109 concurrent sessions. Around 60 posters will present the topics in a visually engaging form.

We are pleased to note a large and broad participation. One month prior to the start of the conference, more than 600 participants, from 84 countries, had registered. We trust you will all have a good time in Stavanger!

As hosts to the meeting, it has been a pleasure to be part of organizing it. It would not have been possible, however, without the enthusiastic support of the IAIA secretariat and network, in particular the Sections coordinators and chairs, as well as the many Norwegian, Nordic and international partners and sponsors. We'd like to thank them all!

Harald Rensvik
Secretary General
Royal Norwegian Ministry of the Environment

Welcome to Stavanger, Norway, to participate in the 26th annual conference of IAIA

We are very pleased to be in Stavanger, as this is our first conference in Norway. It is a place with a history and a future. It represents the production and the consumption of energy. It also represents the south for the people living in the Arctic and the north for virtually everyone else.

I wish to acknowledge all our Norwegian friends who have worked very hard to create a conference with a very interesting and varied programme. In particular I wish to thank the Ministry of Environment who have supported IAIA throughout in realising what will, with your participation, be one of IAIA's most memorable conferences.

Our main conference themes represent a variety of angles to the overarching area of Impact Assessment. If this is your first conference, I am sure you will find a lot of interesting material presented to you in the form of presentations and posters as well as the opportunity to engage in the debate with fellow participants. Our long-standing members know that our annual conference is a meeting place where we can share experiences and learn from each other and above all renew friendships with representatives from all over the world and with many different cultural and professional backgrounds.

This year's conference introduces new themes while at the same time continues to build on previous themes, and thus taking the contribution of the impact assessment process towards Sustainable Development another step forward. We are challenged to reflect on power and poverty within a Nordic and global context and discuss these themes within Theme Forums and concurrent sessions. The real challenge will be how to integrate the various expertise fields in support of amongst others the developers, decision-makers and the public and continue to focus on ethics and quality and capacity building.

Please join me in a rewarding and enjoyable stay in Norway.

William Veerkamp
President
International Association for Impact Assessment

Special Events

Capacity Linkages for Environmental Assessment in Africa (CLEAA) Network Day

CLEAA is an umbrella-type support organization for a number of African member networks or nodes seeking to strengthen the use of impact assessment in Africa through awareness building, capacity building and technical backstopping. This one-day annual CLEAA meeting is open to all, and the agenda for the meeting is to hear about progress made by the different sub-regional networks under CLEAA, as well as to discuss and agree on action plans for the coming years.

Saturday, 20 May
09:00–17:00
Pre-registration by 10 May required.

World Bank Group Day

This seminar builds on the excellent exchanges of previous years, and the World Bank Group Day in Stavanger brings participants up to date on initiatives presented in 2004 and/or 2005. This includes the outcome of the IFC's safeguards updating process, an update of the World Bank's Use of the Country Systems Pilot Program, and shares the first year's experience of the Revised World Bank Policy on Indigenous Peoples. This in particular focuses on the free, prior and informed consultation features of the policy. The seminar includes an opportunity for discussion of these policies' application in World Bank Group supported projects.

Monday, 22 May
09:00–16:00
Pre-registration by 10 May required.

Joint HIA-SIA Workshop

Integration: Theory to Practice

Participants in this workshop experience working jointly on an impact assessment starting from different approaches. This will result in a set of recommendations to be presented in a theme forum. The recommendations will concern matters of content as well as procedural aspects. The workshop is meant to provide input for further development of integrated impact assessment, as well as for future cooperative activities, including draft terms of reference for a joint project extending over the coming year.

Monday, 22 May
09:00–17:00
Pre-registration by 10 May required.

Nordic IA Day

This day provides an opportunity for the Nordic participants, and others interested in the Nordic countries, to meet and exchange information and learn about the main events in respective countries, and carrying on from the tradition of the Nordic EIA/SEA conferences held every other year since 1988.

The program includes invited speakers to present "outside" views on IA assessment in a Nordic context, and a number of common Nordic themes. The recently-completed and ongoing cases under the overall topic "Effectiveness and quality of IA in the Nordic countries" will be presented. Special focus is on the practical aspects of the application of IA. Ample time will be set aside for discussions.

Monday, 22 May
10:00–17:00
Pre-registration by 10 May required.

Technical visits

See page 33 for descriptions of IAIA06 technical visits. Registrations will continue to be taken until visits reach capacity.

Practitioners' Forums

IAIA conferences provide space for impromptu discussions in unanticipated/unscheduled areas of interest or to carry over discussions begun in concurrent sessions. Flip charts are provided in the Lobby area. In the morning, write in your proposed topic or sign up for a topic of interest to you. In the afternoon, topics are chosen and the locations are added to the flip chart. Groups then meet in those locations to hold discussion. The informality and spontaneity guarantee a lively end to the day's sessions.

Welcome to IAIA

This meeting is for new or prospective Board members, for anyone interested in participating in IAIA as a Committee member or Section member, and for any member who wants to know more about the organization, its history, and how it works. Chaired by IAIA CEO Rita Hamm.

Wednesday 24 May
18:00-19:00

Social activities

Opening reception

The City of Stavanger welcomes delegates to IAIA06 with a reception. Bjørg Tysdal Moe, Deputy Mayor of Stavanger, is our host.

Monday, 22 May
18:00-20:00
Rogaland Museum of Art, Henrik Ibsen's Gate (adjacent to Stavanger Forum)

Boat trip and dinner

Statkraft, the state-owned energy company, hosts an unforgettable evening of dinner and music.

Pre-registration is required. Space is limited.

Tuesday, 23 May
18:00-late
Meet at Stavanger Forum or Harbour.

Dine Out Stavanger

Hosts will lead small groups to various restaurants in the Stavanger area. Restaurants featuring local specialties and special emphasis on sustainable dining are offered. Participants pay their own way. Sign-up sheets are posted on the message board in the Lobby.

Wednesday, 24 May
19:30 onward

Fun Run

This popular 5 km sporting event is now in its fourth year.

Pre-registration is requested and a US$5 fee will be collected on-site to cover organization and prizes. A great way to start the day and network with fellow runners!

Sign up or check for information on the message board in the Lobby area.

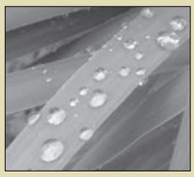
Thursday, 25 May
06:30

Banquet

Celebrate the end of a busy week with old and new colleagues. Sponsored by Statoil.

Thursday, 25 May
19:30
Hall Toll Restaurant at Skansegt. 2, Stavanger Harbour (Vågen)

Power, Poverty and Sustainability
The Role of Impact Assessment



As co-chairs of the Program Committee, we are pleased to see that the themes and topics proposed in the preliminary program have caught on among the IAIA audience and yielded a big response in the form of papers and posters, and many registrations at training courses, technical visits and social and other events.

As set out in the preliminary program, the technical program focuses on the application of the various instruments of impact assessment in relation to energy, climate change, land use planning and coastal zone management, biodiversity, indigenous peoples and circumpolar issues. It also emphasises the increasingly important issues of the application of impact assessment in developing countries and development co-operation, not least the challenges to the IA community of poverty eradication work and achievement of the Millennium Development Goals. The topics of the standing special-interest Sections of IAIA are also well represented.

In the program, a balance between the topics of the North and the topics of the South has been sought. For instance, at the Circumpolar Day the above mentioned topics are brought together and debated in the context of the circumpolar North (and also Antarctica), and Russian-English translation is provided to enhance participation from the Russian-speaking world. Looking South, the new OECD DAC Guidance on Strategic Impact Assessment will be launched at the conference. This guidance is expected to play a major role in development co-operation efforts in the years to come.

IAIA06 is thus a multi-faceted conference that gives you the opportunity to compose your own conference-within-the-conference, by choosing theme elements to suit your professional needs and interests. The technical program this year is organized according to topical streams, thus making it easy to find your way to your favourite topics.

The conference takes place in an exciting and dynamic region, rich in history and culture. We trust you will take the opportunity to acquaint yourself with Stavanger and its surroundings by joining some of the social events and technical visits or enjoying an activity on the accompanying persons program.

It is the Program Committee's wish that you take full advantage of all the exciting opportunities this conference has to offer, and we hope that as you leave you will take with you a better understanding of the role of impact assessment in our world today, as well as great memories from Stavanger and the Nordic region.

Terje Lind and **Arne Dalfelt**
Co-chairs of the IAIA06 Program Committee

Keynote Speakers

Welcome addresses

Bjørg Tysdal Moe, *Deputy Mayor of Stavanger*
William Veerkamp, *President of IAIA*

Keynote speakers

Helen Bjørnøy, *Minister of Environment, Norway*
Helge Lund, *President of Statoil, Norway*
Robert T. Watson, *Chief Scientist, World Bank*
Hesphina Rukato, *Deputy Chief Executive, NEPAD*

Photo: Stig Weston

Helen Bjørnøy
Minister of Environment
Norway

Helen Bjørnøy was appointed Minister of Environment in October 2005. She was previously secretary general for the Church City Mission in Oslo from 1999-2005, an institution that is very active in combating urban poverty and drug use. She is an ordained Lutheran priest with a professional background that includes teaching at the Lovisenberg Deaconal University College, Oslo (1991-1999). She has been active in local politics for a long time, and has been a Board member of a number of socially and poverty focused organizations. Ms. Bjørnøy considers poverty eradication to be a fundamental challenge of our time, and that sustainable development can only be reached if environmental quality is maintained. Only by increasing our understanding of these linkages through better environmental policies as well as more transparent development policies can lasting improvements be expected.

Photo: Øyvind Hagen, Statoil

Helge Lund
President of Statoil
Norway

Helge Lund took the post of president and chief executive of the international company Statoil in August 2004. Mr. Lund leads a company that believes contributing to sustainable development to be an important requirement for long term growth and value creation. Statoil's overall goal in the area of health, safety and the environment is *zero harm* to people and the environment: Statoil strongly believes that all accidents can be prevented. Working from the assumption of a relationship between human activity and global warming, Statoil supports the Kyoto protocol as a basis for a global collaboration to combat climate change. By 2010, Statoil aims to have achieved an annual reduction of 1.5 million tonnes of CO2 equivalent. Mr. Lund regards impact assessments as an important tool for the company to meet the goal of contributing to sustainable development. An important part of Statoil's policy is therefore to perform high quality impact assessments based on a holistic approach where all relevant environmental, social and health issues are assessed, communicated and managed in an integrated way involving all appropriate stakeholders. Impact assessment is regarded as an important tool to build and sustain the reputation of the project and the company. On behalf of Statoil, Mr. Lund is proud to be the main sponsor of IAIA06, as well as a keynote speaker.

Photo: World Bank

Robert T. Watson
Chief Scientist, World Bank
USA

Robert T. Watson, a U.S. citizen born in the U.K., is the World Bank's senior spokesperson on global warming and climate change. He joined the World Bank in May 1996 as senior scientific advisor in the Environment Department and in July 1997 was appointed director of the same department. He is currently the Chief Scientist and a senior advisor to the World Bank. Before coming to the Bank, he was associate director for environment in the office of Science and Technology Policy in the Executive Office of the U.S. President. Mr. Watson has played a key role in the negotiation of global environment conventions and the evolution of the Global Environment Facility (GEF). He is the former Chair of the IPCC (Intergovernmental Panel on Climate Change), and the Board Co-chair of the Millenium Ecosystems Assessment.

Note

The opening plenary will start on time. Delegates are encouraged to arrive early.
To minimize interruption of the speakers, the registration desk will close 15 minutes prior to the start of the plenary and will reopen at the lunch break. Please plan your conference check-in time accordingly.

Keynote Speakers

Closing plenary
Aili Keskitalo, ***President, Sámi Parliament***
Wangari Maathai, ***Professor, Nobel Peace Prize Laureate***

Hesphina Rukato

Deputy Chief Executive
New Partnerships for Africa's Development

Dr. Hesphina Rukato is the Deputy Chief Executive of NEPAD, which is a program of the African Union.

NEPAD stands for the New Partnership for Africa's Development, and covers eight priority areas, namely:

- Political, Economic & Corporate Governance
- Agriculture
- Infrastructure
- Education
- Health
- Science & Technology
- Market Access, and Tourism
- Environment

Prior to becoming Deputy CEO, Dr. Rukato was Advisor for Environment and Tourism for the NEPAD Secretariat.

Before joining NEPAD, Dr. Rukato was Director of the WSSD (World Summit on Sustainable Development) Policy Unit at the Department of Environmental Affairs and Tourism in Pretoria, South Africa.

Dr. Rukato also worked as programme Manager for Energy at the Minerals and Energy Policy Centre (MEPC) in Johannesburg, South Africa.

She also previously worked as programme manager for the Group for Environmental Monitoring.

Photo: www.wangarimaathai.or.ke

Wangari Maathai

Nobel Peace Prize Laureate
Kenya

Professor Wangari Maathai, Kenya, is a professor in biology. She started the Green Belt Movement in 1977 and has since spread the idea to many other African countries. The Movement developed into an organization that fought for human rights and democracy in Kenya, and for women's rights. She is outspoken and courageous, traits which led to her arrest on several occasions. She was supporting other human rights activists in Kenya like Koigi wa Wamwere and was not afraid of criticizing the government of President Danial Arap Moi. Towards the end of the 1980s she was one of the most outspoken critics of the plans to build skyscrapers in Nairobi's Uhuru Park, leading to the plans being abandoned. Wangari Maathai has received a number of prizes and acknowledgement for her work. Maathai is presently Deputy Minister for Environment in the democratic government that followed Moi's Presidency, but she also continues to work for and with the poor. Maathai was awarded the Nobel Peace Prize for her work in 2005.

Photo: www.samediggi.no

Aili Keskitalo

President, Sami Parliament/Samediggi
Norway

Aili Keskitalo was elected President of the Sámi Parliament/Sámediggi in Norway in October 2005, as the first woman to hold this position. The Sámi are one of many Arctic indigenous peoples, and live in four national states: Norway, Sweden, Finland and Russia. The Sámi Parliament/Sámediggi is a political tool for strengthening the Sámi's political position and contributing toward just treatment of the Sámi people. The Sámediggi in Norway was established in 1989. The Sámediggi has always emphasised the importance of maintaining an international indigenous perspective on the work it does.

Sámediggi is responsible for preserving the Sámi cultural heritage in a way that helps strengthen and continue Sámi culture. As caretaker of Sámi cultural heritage interests in planning and building matters, the Sámediggi submits hearing statements to environmental impact studies. Sámediggi advises municipalities on planning matters and has veto authority over development plans, zoning plans and development plans.

The Sámediggi expects full and effective Sámi participation of the establishment and management of protected areas and other matters to preserve nature, landscape and biological diversity.

Daily Schedule

Saturday 20 May

08:00-9:00 **Registration** (Lobby)
CLEAA and CBBIA participants only

09:00-17:00 **CLEAA**
See page 4 for information.

09:00-17:00 **CBBIA**

14:00-17:00 **Registration** (Lobby)
Training courses 1-9b participants only

Sunday 21 May

08:00-10:00 **Registration** (Lobby)
All training course participants (Lobby)

09:00-17:00 **Training Courses**
1. Effective IA Follow-up
3. IA of Oil and Gas
4. Concept, Process and Method of SIA
5. Public Participation in EA
6. Professional Ethics
8. Mainstreaming Biodiversity/Decision Making
9a/9b. Strategic Environmental Assessment

15:00-17:00 **Registration** (Lobby)
Training courses, technical visit A, World Bank Group Day, HIA-SIA Workshop, and Nordic Day participants

18:00-20:00 **Technical visit A: Stavanger.**

Monday 22 May

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

09:00-17:00 **Training courses**
3. IA of Oil and Gas (field trip)
4. Concept, Process and Method of SIA
5. Public Participation in EA
6. Professional Ethics
8. Mainstreaming Biodiversity/Decision Making
9b. SEA: group exercises
9c. SEA: developing countries
10. Practical Guide to Sustainability Assessment

09:00-16:00 **World Bank Group Day**
See page 4 for information.
Sponsored by World Bank.

09:00-17:00 **HIA-SIA Workshop**
See page 4 for information.

10:00-17:00 **Nordic Day**
See page 4 for information.
Sponsored by Nordregio and Nordic Council of Ministers

12:00-18:00 **Exhibit and poster setup**

18:00-20:00 **Opening reception** (Rogaland Museum of Fine Art)
Sponsored by City of Stavanger

Tuesday 23 May

07:30-08:45 **Registration** (Lobby)

07:30-08:30 **Committee meeting** (Stokka)
- *IAPA* Editorial Board

09:00-10:00 **Opening plenary** (Lindesnes A/B/C)
Co-chairs: Terje Lind and Arne Dalfelt, Program Committee Co-chairs
- **Welcome to Norway and IAIA06.** Terje Lind, Program Co-Chair
- **Welcome to Stavanger.** Bjørg Tysdal Moe, Deputy Mayor of Stavanger
- **Welcome to the 26th Annual Conference of IAIA.** William Veerkamp, President of IAIA

Keynote speakers
- **Impact assessment – a tool for sustainable development.** Helen Bjørnøy, Minister of Environment, Norway
- **The importance of impact assessment in Statoil.** Helge Lund, President of Statoil

10:00-10:30 **Break**
Sponsored in part by Total

10:30-11:30 **Opening plenary**
- **Impact Assessment in developing countries.** Hesphina Rukato, Deputy Chief Executive of the New Partnership for Africa's Development (NEPAD)
- **Environmental change and global impacts.** Robert T. Watson, Chief Scientist, World Bank

11:30-15:00 **Registration** (Lobby)

11:30-12:30 **Lunch** (Hall C)
Sponsored by Conoco

12:30-14:30 **Theme Forums**
1.1 Energy
8.1 Poverty reduction and the MDG
5.1 Biodiversity

14:30-15:00 **Break**

15:00-17:00 **Concurrent sessions**

18:00 **Boat trip and dinner**
Meet in Lobby at 17:30 for transportation, or at Harbour.
Sponsored by Statkraft

Daily Schedule

Wednesday 24 May

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

07:30-08:30 **Committee meetings** (Ullandhaug)
- Awards
- Affiliates
- Publications

09:00-18:00 **TF 6.1 Circumpolar Day**

09:00-10:30 **Theme Forums**
3.1 Land use
8.2 Millennium Development Goals
5.2 Biodiversity

10:30-11:00 **Break**

11:00-12:30 **Theme Forums**
3.2 Land use
7.1 Governance
2.1 Climate change
5.3a Biodiversity

12:30-13:30 **Annual General Meeting and Rose-Hulman Award Presentation** (Lindesnes A)

13:30-14:30 **Lunch** (Hall C)
Sponsored by Nordic Investment Bank

14:30-16:00 **Theme Forum and concurrent sessions**
5.3b Biodiversity

16:00-16:30 **Break**

16:30-18:00 **Concurrent sessions**

16:30-19:00 **Launch of OECD DAC Guidance** (Grip)

18:00-19:00 **Welcome to IAIA**
See page 4 for information.

18:00-19:00 **Section meetings**
- Strategic Environmental Assessment (Lindesnes c)
- Indigenous Peoples (Lindesnes C)
- Agriculture, Forestry & Fisheries (Tungenes)
- Public Participation (Tungenes)
- Social Impact Assessment (Terningen)
- Environmental Management Systems (Dyna)
- Environmental Law, Policies & Practice (Dyna)
- Disasters & Conflicts (Utsira)
- Biodiversity (Halten)
- Urban (Classroom 1)
- IA of Trade-Related Policies (Classroom 1)
- Health (Classroom 3)
- Students and Early Professionals (Meeting Room 3)

18:00-19:00 **Practitioners' Forums**
See flip charts in Lobby for topics and meeting rooms.

18:00-20:00 **Technical visit B: Stavanger**

19:30 **Dine Out Stavanger**
See page 4 and the message board in the Lobby for information.

Thursday 25 May

06:30 **Fun Run**
See page 4 and the message board in the Lobby for information.

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

09:00-10:30 **Concurrent sessions**

10:30-11:00 **Break**

11:00-12:30 **Concurrent sessions**

12:30-13:30 **Poster session** (Vestibule/Plaza)

13:30-14:30 **Lunch** (Hall C)
Sponsored in part by Hydro

14:30-16:00 **Theme Forum and concurrent sessions**
4.1 Indigenous Peoples

16:00-16:30 **Break**

16:30-18:00 **Theme Forums**
1.2 Energy
8.3 Millennium Development Goals
4.2 Indigenous Peoples
9.1 Tool Development

18:00-19:00 **Practitioners' Forums**
See flip charts in Lobby for topics and meeting locations.

19:30 **Banquet** (Hall Toll Restaurant, Skansegt. 2, Stavanger Harbour)
Sponsored by Statoil

Friday 26 May

08:00-11:00 **Registration** (Lobby)

07:30-08:30 **Committee meetings**
- Training & Professional Development (Utsira)
- Sections Coordinating

09:00-10:30 **Closing plenary** (Lindesnes A/B/C)
Co-chairs: Terje Lind and Arne Dalfelt, Program Committee co-chairs
- **Welcome to the last day, and the closing plenary.** William Veerkamp, President, IAIA
- **Indigenous and northern perspectives in impact assessment.** Aili Keskitalo, President of the Sámi Parliament, Norway
- **Summing up: Conclusions and perspectives.** Brian Clark, Scotland, and Barry Sadler, Canada

10:30-11:00 **Break**

11:00-12:30 **Closing plenary** (Lindesnes A/B/C)
- **Environmental Perspectives.** Professor Wangari Maathai, Nobel Peace Prize Laureate
- **Awards ceremony.** Jean-Roger Mercier, Awards Committee Chair
- **Invitation to IAIA07 in Korea.**
- **Closing of IAIA06.**

13:00-20:00 **Technical visit C: Kårstø**

13:00-18:00 **Technical visit D: Ryfylke fjord**

13:00-14:00 **Council meeting** (Utsira)

Afternoon **Iceland post-conference technical visit departs**

Saturday 27 May

09:00-16:00 **Technical visit E: Lyse**

10:00-14:00 **Technical visit F: North Jæen**

Technical Program Overview

Theme Forums and Concurrent Sessions

	Tuesday 23 May		Wednesday 24 May		
	12:30-14:30	15:00-17:00	09:00-10:30	11:00-12:30	14:30-1
Lindesnes A	Energy TF 1.1	Oil and gas CS 1.1			Renewable CS 1.
Lindesnes B		Land use CS 3.1	Land use planning TF 3.1	Land use planning TF 3.2	Land u CS 3.
Lindesnes C		Hydroelectric energy CS 1.2			SEA/learn governa CS 16.
Grip	Poverty reduction/MDGs TF 8.1	Development CS 8.1	Poverty reduction/MDGs TF 8.2	Governance TF 7.1	NIB CS 24.
Runde		Indigenous Peoples CS 4.1	Circumpolar Day TF 6.1		
Tungenes A		Disasters and conflicts CS 11.1			Developing c CS 8.
Tungenes B					
Terningen		Trade CS 22.1			Governa CS 7.
Dyna		Transport SEA CS 16.1		Climate change TF 2.1	EIA in th CS 23.
Utsira		SEA learning & governance CS 16.9			Climate ch CS 2.
Halten	Biodiversity TF 5.1	Biodiversity/Agricuture, forestry & fisheries CS 5.7	Biodiversity TF 5.2	Biodiversity TF 5.3a	Biodiver TF 5.3
Kvitsøy		Biodiversity/Power generation CS 5.4			Methodo CS 23.
Classroom 1		Urban governance CS 20.1			Energy infras CS 1.
Classroom 2		EMS CS 12.1			EMS CS 12.
Classroom 3		HIA CS 13.1			Strategic CS 13.
Classroom 4		Methodology CS 23.1			HIA CS 13.
Ullandhaug (Rica Forum Hotel)		EA law CS 17.1			Urban devel CS 20.
Stokka (Rica Forum Hotel)					EU Birds/H Directiv CS 5.
Marstein (Hall C)		Resource base CS 24.1			Public partic CS 14.
Hansons Minde		Marrakech Action Plan CS 18.1			Capacity Bu CS 21.

Technical Program Overview

Theme Forums and Concurrent Sessions

ay		Thursday 25 May			
0-16:00	16:30-18:00	09:00-10:30	11:00-12:30	14:30-16:00	16:30-18:00
able energy S 1.3	Geothermal energy CS 1.5	Development CS 8.2	Energy CS 1.8	Energy CS 1.9	Energy TF 1.2
nd use S 3.2	Universal design CS 3.3	Planning and zoning CS 3.4	Land use CS 3.5	Transportation CS 3.6	
learning & ernance S 16.10	Hydrocarbon pipelines CS 1.6	Agriculture CS 10.1	Forestry CS 10.2	SEA CS 16.3	
NIB S 24.7	OECD/DAC CS 23.8	SIA CS 15.2	SIA CS 15.3	Tool development CS 9.1	Poverty reduction/MDGs TF 8.3
		Arctic and circumpolar issues CS 6.1	Indigenous Peoples CS 4.2	Indigenous Peoples TF 4.1	Indigenous Peoples TF 4.2
ing countries S 8.4	Developing countries CS 8.5	Industrial benefits planning CS 24.8	Sustainable development CS 8.3	SIA CS 15.4	
		Cultural resources CS 24.5	SEA CS 16.12	Careers seminar CS 24.10	
ernance S 7.1	SIA CS 15.1	Governance CS 7.2	Governance CS 7.4	Governance CS 7.3	
in the EU S 23.6	EIA in the EU CS 23.7	SEA CS 16.4	SEA CS 16.6	SEA CS 16.2	Tool development TF 9.1
ate change S 2.1	SEA/learning & governance CS 16.11	SEA CS 16.5	SEA/World Bank CS 16.7	SEA/Land use CS 16.8	
diversity F 5.3b		Biodiversity/Capacity building CS 5.8	Biodiversity/Capacity building CS 5.9	Biodiversity/Poverty reduction CS 5.10	Biodiversity/Power generation CS 5.5
hodology S 23.3	Biodiversity/Power reduction CS 5.11	Biodiversity CS 5.2	Biodiversity/Power generation CS 5.6	CBD CS 5.1	
nfrastructure S 1.4	Capacity building Cs 21.3	Gender-energy link CS 1.7	SEA/Asia CS 19.1	EIA/Asia CS 19.2	
EMS S 12.2	EA law CS 17.2	National EA systems CS 17.3	EA and practice CS 17.4	Transboundary CS 17.5	
egic HIA S 13.2	HIA CS 13.4	HIA CS 13.6	HIA CS 13.7	HIA CS 13.8	
HIA S 13.3	HIA/Nordic CS 13.5	Industrial sector CS 24.6	Capacity building CS 21.2	Fisheries CS 10.3	
development S 20.2	Integrated assessment CS 23.2	Methodology CS 23.4	Methodology CS 23.5	Ethics and quality CS 24.3	
ds/Habitats rectives S 5.3			Small-scale development CS 24.11	GMO CS 24.9	
participation S 14.1	Public participation CS 14.2	Public participation CS 14.3	Public participation CS 14.4	Public participation CS 14.5	
ty Building S 21.1	Marrakech Action Plan CS 18.2	Cumulative IA CS 24.2	Training and research CS 24.4	Marrakech Action Plan CS 18.3	

Technical Program

1

Energy: the role of impact assessment

Energy is a key resource of concern to practically all governments. Those having access and control of energy sources in a society also to a large extent possess the key to prosperity or poverty. Energy is both a very important geopolitical issue and a daily issue for all citizens of the globe.

During the last decades, the energy markets have changed, and the focus has been moving away from energy and oil crisis management to broader energy issues, including development of new renewable energy sources, climate change policies, market reform, energy technology collaboration and outreach to the world.

There is a strong linkage between energy use and environmental and social quality. All sources of energy are causing adverse impacts to the environment in one way or another. Impact assessments of energy development projects are therefore conducted all over the world, identifying both adverse and beneficial impacts – and seeking to mitigate the adverse impacts and enhancing the beneficial ones.

Because of the strong relationship between socio-economic development and environmental issues, energy development and policies are closely related to environmental and social sustainability issues, often giving rise to controversies and conflicts both at global and local scale.

The two energy Theme Forum sessions – one introductory and one concluding – will give ample opportunities for debate and discussion, and the nine concurrent sessions will further develop the issues – as will also dedicated training courses and technical visits.

Conveners: Ole Anders Lindseth, Sigurd Juel Kinn

Theme Forum on energy

Theme Forums sponsored by Statoil.

TF 1.1 Energy and the role of impact assessment

Chair: Barry Sadler

Tuesday 23 May • 12:30 - 14:30 • Lindesnes A

Opening
Anne Thingelstad Waien, political advisor, Norwegian Ministry of Petroleum and Energy

The future energy market
Knut Einar Rosendahl, professor/researcher, Statistics Norway (SSB)

Energy, environment and development - the challenges ahead
Olav Kjørven, Director, Energy and Environment, UNDP (United Nations Development Program)

Integration of environmental concerns in an energy corporation
Ingelise Arntsen, Executive Vice President, Statkraft, Norway

Discussion

TF 1.2 Energy and IA: the way forward

Chair: Barry Sadler

Thursday 25 May • 16:30 - 18:00 • Lindesnes A:

Introduction: the role of IA in developing sustainable energy solutions for the future
Barry Sadler

Panel/roundtable discussion between the chairs of the concurrent sessions on oil and gas, hydro, geothermal wind power, and other renewable resources and on energy mangement

Conclusions to be submitted to the closing plenary

Concurrent sessions on energy

CS 1.1 Oil and gas

Chair: Sigurd Juel Kinn

Tuesday 23 May • 15:00 - 17:00 • Lindesnes A

Snøhvit - a unique LNG-project in northern Norway
Bjørn Fossan

Health impact assessment in the international oil and gas sector
Martin Birley

Environmental impact assessment for oil industry in Sudan
Widad Suliman

An oil and gas industry project lifecycle approach to risk and impact management
Ben Witchalls, Rob Finney

CS 1.2 Hydroelectric energy

Chair: Arve Tvede

Tuesday 23 May • 15:00-17:00 • Lindesnes C

River protection or hydropower development–the Vefsna River in Norway–an example of both? An evaluation of a pre-planning process aimed at combining both protection and development
Haakon Thaulow, Eivind Selvig, Njål Arge

Lessons from 30 years of environmental impact assessment in Quebec: the case study of hydroelectric dams
Anne-Laure Bouvier, Jean-Philippe Waaub

Tackling the social issue in hydropower
Anders Hiort-af-Ornas

Human impact assessment of the Mackenzie Gas Project
Carolyn Dunn, Rick Grabowecky

CS 1.3 Wind power and other renewable energy

Chair: Knut Grøntun

Wednesday 24 May • 14:30 - 16:00 • Lindesnes A

Wind energy and the natural heritage in Scotland
Arthur Keller

A windfall of potential: an analysis of wind energy at a remote diamond mine in northern Canada
Kimberley Horrocks

Wave energy converter Seawave Slot-Cone Generator (SSG)
Espen Osaland

The adoption of improved charcoal stoves in urban Zanzibar and its impact on rural forests
Makame Makame, Jokha Suleiman

CS 1.4 Energy infrastructure planning

Chair: Wynand Fourie

Wednesday 24 May • 14:30 - 16:00 • Classroom 1

Scenario analysis for evaluation of the future sustainability of an energy system
Darby Grande

Relocation of 1 778 MW Diesel Lamu Power Station from Lamu Island to Lamu mainland at Mokowe, Kenya – impact assessment
Gabriel Wetang'ula, Benjamin Kubo

Deepwater LNG terminal development in the United States
Paul Sage

Assessing the potential for the creation of a standardised, systematic methodological Strategic Environmental Assessment (SEA) framework for wind energy planning
John Phylip-Jones

CS 1.5: Geothermal energy

Chair: Thoroddur Thoroddsson

Wednesday 24 May • 16:00-18:00 • Lindesnes A

Preliminary enviromental impact assessment for the development of Tendaho Geothermal Field, Ethiopia
Solomon Kebede

Effects of geothermal wastewater disposal: assessment of seasonal and spatial variability in thermal stress in Lake Thingvallavatn, Iceland
Gabriel Wetang'ula, Sigrudur Snorrason

Environmental impact assessment of 64 MW Olkaria Geothermal Power Project – Kenya
Benjamin Kubo, Gabriel Wetang'ula

Does the EIA function properly for geothermal projects?
Stefan Gunnar Thors, Albert Albertsson

CS 1.6 Hydrocarbon pipelines

Chair: Nick Bonvoisin

Wednesday 24 May • 16:30 - 18:00 • Lindesnes C

The effectiveness of the Environmental Impact Assessment (EIA) follow-up with regard to biodiversity conservation
Ramzi Bataineh

The evolving role of the National Energy Board of Canada: challenges and opportunities
Judy Bennett, Lesley Matthews

The Langeled Project – using the EIA as a basis for paying compensation to fishermen
Steinar Eldøy

LNG regasification terminals in Mexico and their relationship with poverty and social conflict
Harry Heisler, Martin Quijano, Ricardo Juarez

CS 1.7 Gender - energy link

Roundtable
Chair: Barbara Bamberger

Thursday 25 May • 9:00 - 10:30 • Classroom 1

Bottlenecks to sustainable development: assessing the gender - energy link on the ground
Barbara Bamberger

CS 1.8 Energy and EIA methodology 1

Chair: Even Lind

Thursday 25 May • 11:00 - 12:30 • Lindesnes A

ESHIA–a novel concept in impact assessment: the experience of Shell Nigeria
Ndamieye Abby-Kalio

A newly developed structured approach to impact management – the BP way
Ben Witchalls, Mick Stump, Toby Croucher, Chris Herlugson

Development and implementation of a standardized process for Environmental Social & Health Impact Assessment (ESHIA) at Chevron
Jonathan Lilien

CS 1.9 Energy and EIA methodology 2

Chair: Knut Grønntun

Thursday 25 May • 14:30 - 16:00 • Lindesnes A

La Parota: social response to the hydro electrical power project
Eduardo Vadillo

Impact assessment: integrating social, health and environmental assessment for projects
Saskia De Koning, Maarten Smies, Oti Dada

The Regional Energetic Environmental Plan (REEP) of Marche Region, Italy
Antonio Minetti, Raffaela Fontana

Other events on energy

Training Course

TC 3: Impact assessment of oil and gas activities

Technical Visits

TV C: Kårstø: Landfall and export terminal for North Sea gas

TV E: Lyse: Hydroelectric power development projects

Post-conference technical tour

Iceland: geothermal power

2

Climate change

As virtually all scientists, most of the public and increasingly the media have come to understand that the earth's climate is perilously threatened, few countries have captured the gravity of the situation and been able to put it on the political agenda for efficient action. It is widely recognized that climate change in general will affect developing countries and people living in marginal areas more than others. Recent research shows, however, that people in developed economies may also be hard-hit by increased occurrence of extreme weather linked to climate change. Many people feel that they are not in a position to put political power behind a wish to halt negative trends in climate development, and find it difficult to create a sustainable future for themselves and their children.

Climate change relates to impact assessment in different ways. The impact of a project, plan, program or policy on the climate through emissions is an issue to be assessed and mitigated. On the other hand, the occurring change in climate regimes should also be taken into account when designing or locating a development project, or formulating a plan or policy.

Convener: Pål Prestrud, Norway

Theme Forum on climate change

TF 2.1 Climate change impact assessment – status and new developments

Chair: Pål Prestrud, Cicero, Norway

Co-chair: F. Larry Leistritz, USA

Wednesday 24 May • 11:00 – 12:30 • Dyna

Strengths and weaknesses of the IPCC-process - experiences with a comprehensive global climate assessment
Robert T. Watson, World Bank, USA (Former Chair of the Intergovernmental Panel on Climate Change)

Experiences with and results from a global regional climate assessment - strengths and weaknesses of the ACIA process
Pål Prestrud, CICERO, Norway/ACIA (Arctic climate impact assessment)

Climate impact adaptation assessment
Speaker to be announced

Concurrent session on climate change

CS 2.1 Climate change

Chair: Brian Clark

Wednesday 24 May • 14:30 – 16:00 • Utsira

Economics and policy of carbon sequestration in agricultural soils: a review
F. Larry Leistritz, Dean Bangsund

The role of spatial planning in biodiversity adaptation to climate change
Elizabeth Wilson, Jake Piper

Impact assesment of energy and climate crisis of the past
Miguel Coutinho, Carlos Borrego

High speed railway at sea level: how do we handle the climate change?
Kerstin Larsson

3

Land use planning, transportation and coastal zone management

The aim of the Theme Forum and associated concurrent sessions is to examine linkages between land use planning and impact assessment Practical experiences and theoretical issues will be addressed in a fruitful mix. Current thinking will be reflected on such classical issues as the relationship between levels of planning and of SEA and EIA, the change and development of land use planning systems and Coastal Zone Management (CZM) under the influence of impact assessment thinking and regulations. Methods and strategies for effective participation and for integration of transport planning and coastal zone management with existing systems of land use planning will be focused.

The Theme Forum draws extensively on Nordic experiences in planning and application of environmental assessment to land use planning. The Nordic countries have established systems of spatial planning that to various degrees have coped with the new challenges of impact assessment and with new forms of integrated planning and programming for infrastructure, CZM, etc. Concurrent sessions within the land use theme widen the geographic and substantive scope of discussion.

Presenters are asked to bring out succinctly the main lessons of their papers and the wider practical and theoretical issues for discussion.

Convener: Lars Emmelin, Sweden

Technical Program

Theme Forums on land use planning

TF 3.1 Land use planning and SEA – co-evolving systems

Chair: Lars Emmelin

Wednesday 24 May • 9:00 - 10:30 • Lindesnes B

Issues and experiences in SEA and land use planning - an introduction to the theme forum
Professor Lars Emmelin, Blekinge Institute of Technology, Sweden

Taking new directions together: co-evolution of SEA and development planning
Professor Bo Elling, Roskilde University Denmark

SEA as an instrument in land use planning in CEE countries
Jiri Dusik, Regional Environmental Center for Central and Eastern Europe, Hungary

Scenario SEA of the Trans European Network for transport
Dr Ulf Kjellerup, COWI, Denmark

TF 3.2 Land use planning

Chair: Tuija Hilding-Rydevik

Wednesday 24 May • 11:00 – 12:30 • Lindesnes B

Holistic land use and transport planning in the Jæren district
Per Frøyland Pallesen, Rogaland county council

SEA and Land Use Planning in the municipality of Stavanger
Thommas Bjerga, City of Stavanger

Coastal planning and coastal management in Denmark
Malene Wiinblad, Danish Nature and Forest Agency

Concurrent sessions on land use planning

CS 3.1 Land use planning and transportation

Chair: Harald Noreik

Tuesday 23 May • 15:00 – 17:00 • Lindesnes B

Improving the practice of integrating land use planning and impact assessment
Janet Amos

Did the impact assessment matter at all?
Ann Åkerskog

Concepts used for a reader-friendly EIS on a large transportation project in Seattle, Washington
Pamela Gunther

Environmental assessment, alternatives and large-scale infrastructure projects – the Öresund fixed link case
Eric Markus

Technical and legal nature conservation requirements for new spatial planning instruments in the exclusive economy zone
Wolfgang Wende, Johann Koeppel

CS 3.2: Land use planning, transportation and coastal zone management

Chair: Jørgen Brun

Wednesday 24 May • 14:30 – 16:00 • Lindesnes B

Coastal zone management from theory to practice: methodology and case studies from Italy
Leonardo Marotta, Gianmario Deandrea, Stefano Picchio, Virginio Bettini

Coastal zone management and aquaculture in the Stavanger region.
Olav Andreas Sager

A role for environmental assessment in the Atlantic Canada coastal zone: linking project planning to policy implementation
Barry Jeffrey

Windfarms and cultural heritage along the Norwegian coast
Gro Bjørnstad Jerpåsen, Inge Lindblom

CS 3.3 Mainstreaming universal design

Chair: Charles Alton

Wednesday 24 May • 16:30 – 18:00 • Lindesnes B

Universal design and disability: fundamental physical and social impact assessment
Charles Alton, Ben Underwood

Providing knowledge and skills to bureaucrats about mainstreaming universal design through specialized training
Jean-Roger Mercier, Charles Alton

Universal design: defining human diversity in spatial planning and impact assessment
Olav Rand Bringa

Universal design and tourism: a missing link in impact assessment
Benjamin Underwood, Charles Alton

CS 3.4 Planning and zoning, the forgotten aspect of project development

Chair: Patricia Fleischauer

Thursday 25 May • 9:00 – 10:30 • Lindesnes B

Small scale projects and their impact to the environment: an examination of screening guidelines and planning process in Tanzania
Beatrice Mchome

EIA as a tourism planning tool: case study in Oman
Adel Rady, Ahmed Abul-Azm

Planning and zoning: the forgotten aspect of project development
Patricia Fleischauer

CS 3.5 Land use planning and transportation

Chair: Harald Noreik

Thursday 25 May • 11:00 – 12:30 • Lindesnes B

Using a cost-benefit analysis to select the optimal flood protection measures
Steven Broekx, Leo De Nocker, Inge Liekens, Steven Smets, Dirk Bulckaen, Johan Gauderis

The recovery plan for the area at high risk of environmental crisis (Ancona, Falconara and Lower Esino Valley), Marche Region (Italy): an integrated governance and planning model
Lorenzo Federiconi

Environmental impact assessment of federal tourism developments in Mexico
Julieta Pisanty-Levy

CS 3.6 Transportation, emissions, and social impacts

Chair: Wynand Fourie

Thursday 25 May • 14:30 – 16:00 • Lindesnes B

Detroit River International Crossing Project – public participation in an international transportation project
Kaarina Stiff, Dave Wake

Regulations and guidelines for the environmental assessment of road projects in Lao PDR
Phaknakhone Rattana

Do women drive sustainable mobility in the developed world? Results from an activity-based survey
Carolien Beckx, Luc Int Panis, Rudi Torfs, Geert Wets, Davy Janssens, Steven Broekx

Towards sustainable mobility between Québec and Saguenay
Claire Michaud, Donald Martel

Other events on land use planning

Technical visits

TV D: Ryfylke fjord: coastal zone management and fish farming

TV F: North Jaeren: land use and transportation planning

4

Indigenous Peoples

Indigenous Peoples are often among the most adversely affected and vulnerable groups and among those who least benefit from development projects. Without diminishing the importance of rights recognition, there is mounting evidence that the impact assessment process can be a powerful enabling tool for Indigenous Peoples to increase their involvement and say in development initiatives that affect their communities.

At a special conference event on Indigenous Peoples and Impact Assessment held at IAIA'05 in Boston, Indigenous Peoples leaders, practitioners of impact assessment and other stakeholders came together to exchange and discuss how impact assessment is measuring up to the challenges of indigenous peoples' development. The Sámi - as host Indigenous Peoples of this year's conference - and other collaborators wish to pursue last year's mutual learning experience. The two Theme Forum sessions on Indigenous Peoples

at IAIA06 will further engage dialogue on the complex, and often sensitive, issues related to the contribution which impact assessment can bring to Indigenous Peoples development. Subsequent concurrent sessions will provide added opportunities to discuss these issues.

Conveners: Rune Fjellhein, Liv Østmo, Victoria Tauli-Corpuz, John Paul Murdock, Navin Rai, Peter Leonard

Theme Forum on Indigenous Peoples

Sponsored in part by World Bank.

TF 4.1 Building Indigenous Peoples' capacity to exercise their rights to engage and use traditional knowledge in IA

Co-chairs: Johan Mikkel Sara, Vice President of the Sámi Parliament in Norway

Stephen Lintner, Senior Technical Advisor, World Bank

Thursday 25 May • 14:30 - 16:00 • Runde

Recognizing existing indigenous capacity and knowledge
Ole Henrik Magga, Sámi Council

Developing skills and using indigenous peoples' knowledge to effectively be involved in the IA study process, tools as well as consultation and participatory processes
Liv Østmo, Sámi University College, Norway

Implementation learning and knowledge requirements
Gunn Britt Retter, Sámi Council Speaker

Questions and panel discussion

TF 4.2 Defining roles and responsibilities for including Indigenous Peoples in IA

Co-chairs: Magne Ove Varsi, Resource Centre for the Rights of Indigenous Peoples, Norway

Peter Leonard, Senior Environment Advisor, Hydro-Quebec Production, Canada

Thursday 25 May • 16:30 – 18:00 • Runde

Lead speakers:
An Indigenous People's perspective
Daria Egereva, RAIPON, Russian Republic

An international financial institution's perspective
Stephen Lintner, Senior Technical Advisor, World Bank

Panel discussion

Closing remarks: Theme Forum wrap-up
Johan Mikkel Sara, Vice president of the Sámi Parliament in Norway

Stephen Lintner, Senior Technical Advisor, World Bank

Concurrent sessions on Indigenous Peoples

CS 4.1 Indigneous peoples and development issues

Co-chairs: Liv Østmo, Peter Leonard

Tuesday 23 May • 15:00 – 17:00 • Runde

Ethnic minorities, development issues and hydropower in Lao PDR
Stephen Sparkes

State ethnological expertise or ethno-cultural assessment? Theoretical problems and real practice case study of Russia
Pavel Filin

Indigenous reindeer herders' knowledge and assessment of vulnerability to climate change
Svein D Mathiesen

CS 4.2 Indigenous peoples and biodiversity

Co-chairs: Peter Croal and Heidi Klein

Thursday 25 May • 11:00 – 12:30 • Runde

Impact of removing exotic forests from newly established national park
Margaret Mondlane

Inuvialuit involvement in impact assessment and development in Canada's Western Arctic
William J Klassen, Christine Inglangasuk

Land claims and their contribution to biodiversity protection in northern Canada
Heidi Klein, Jody Snortland

Discussion

5 Biodiversity

Biodiversity issues are inextricably linked to the key themes of IAIA06. To highlight just a few of the vital relationships: much of the world's population gets their energy directly from biological resources, but if not properly planned, large energy development projects have enormous potential to damage biodiversity. A considerable percentage of the world's economy and of the needs of the poor are derived directly from biodiversity, which therefore has a key role to play in poverty reduction. A role emphasised in the "2010 Target" adopted by the Convention on Biological Diversity is "to achieve by 2010 a significant reduction of the current rate of biodiversity loss at the global, regional and national level as a contribution to poverty alleviation and to the benefit of all life on earth." Conservation and sustainable use of biodiversity are recognised as essential tenets for more sustainable patterns of development, but despite this, key services provided by biodiversity such as protecting water supplies or providing flood protection are often overlooked and undervalued by current economic and decision-making approaches. Recognising the potential role of impact assessment in illuminating the relationships and communicating them to decision-makers, in March 2006 the CBD endorsed voluntary guidelines on biodiversity-inclusive impact assessment.

The biodiversity stream sessions will explore these issues and develop a series of recommendations to progress the biodiversity and impact agenda further. Specific sessions are being held on the following topics:

- Impact assessment and biodiversity: case studies, methods and approaches
- Biodiversity and power generation
- Capacity building for biodiversity and impact assessment
- Biodiversity and poverty reduction
- The EU Birds and Habitats Directives and impact assessment
- Indigenous issues and biodiversity (Indigenous peoples and biodiversity sections joint session)
- Agriculture, forestry and fisheries – relationships with "wild" biodiversity (Agriculture, forestry and fisheries and biodiversity sections joint session)

Convener: Leif John Fosse, Norway

Theme Forum on biodiversity

Theme Forum on the Millennium Ecosystem Assessment, biodiversity and community based natural resource management

TF 5.1: The millennium ecosystem assessment in international environment development policy

Chair: P.J. Schei, FNI (Fritjof Nansens Institute) Norway

Tuesday 23 May • 12:30 – 14:30 • Halten

Opening Address
Petter Johan Schei, Fridtjof Nansens Institute (FNI)

Nordic mandate for the workshop
Morten Wasstøl, Political Adviser, Norwegian Ministry of Environment

The MA – what, and why and how relevant to international policy processes?
Bob Watson, World Bank

The importance of MA to CBD (Convention on Biological Diversity) and the other biodiversity conventions
Christian Prip, Ministry of Environment, Denmark. Head of CBD SBSTTA (Subsidiary Body on Scientific, Technical and Technological Advice)

MA and the development agenda – making the economic case for ecosystem services
Steve Bass IIED/Poverty – Environment Partnership (PEP)

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Why do ecosystems matter? Policy responses to the MA and biodiversity loss
Jeff McNeely; IUCN (International Union for the Conservation of Nature)

Community based natural resource management in the context of MA policy responses.
Janet Ranganathan, World Resources Institute

TF 5.2: Lessons from sub-global assessments and community conservation for the 2010 biodiversity target and the MDGs

Chair: P.J. Schei, FNI

Co-chair: Christian Prip

Wednesday 24 May • 9:00 - 10:30 • Halten

Brief recapitulation of yesterday's session
Peter Johan Schei, Chair

Southern African Millennium Ecosystem Assessment
Dr. Constancia Musvoto, Institute for Environmental Studies, University of Zimbabwe,

The MA, poverty and biodiversity in Central America
Marianela Cedeno, IUCN-ORMA/Central America (World Conservation Union Regional Office for Mesoamerica)

The Hashi experience in Tanzania
Mlenge Wendelin, HASHI/NAFRAC

TF 5.3a Lessons from sub-global assessments and community conservation for the 2010 biodiversity target and the MDGs - continued

Chair: P.J. Schei

Co-chair: Christian Prip

Wednesday 24 May • 11:00 – 12:30 • Halten

Critical conditions for Community Conservation, poverty reduction and civil society in Southern Africa
Brian Child, University of Florida

Community conservation, the 2010 Biodiversity Target and the Millennium Development Goals. Commissioned study for this Theme Forum
Dilys Roe, IIED

Biodiversity, poverty and Indigenous Peoples Rights in Southeast Asia
Viktor Kaisïepo, International Alliance of Indigenous-Tribal Peoples of the Tropical Forest

Community conservation and Indigenous Peoples rights in the High North
John Mikkel Sara, Vice-President of the Sami Parliament

Community Based Natural Resource Management and Indigenous Peoples Rights in the Russian Arctic
Ekaterina Khmeleva, RAIPON, Russian Federation

TF 5.3b Community responses to the challenges posed by the MA, part 2

Chair: Christian Prip

Wednesday 24 May • 14:30 - 18:00 • Halten

Debate on follow-up at national level. Panel consisting in selected contributors to previous sessions
Facilitated by Steve Bass, IIED

Possible topics and panelists:

The role of local authorities in addressing MA challenges
Mlenge Wendelin, HASHI/NAFRAC

Can protected areas work for indigenous peoples?
Gonzalo Oviedo, IUCN

Evaluation of the MA
Michael Wells, Consultant

What role for National Biodiversity Strategies and Action Plans?
Inger Næss, MFA/Tone Solhaug, MoE

Summary and Conclusions: Where do we go next with the MA?
Co-chair Christian Prip, MoE, DK

Closing Address by Ministry of Foreign Affairs, Norway

Concurrent sessions on biodiversity

CS 5.1 The CBD (Convention on Biological Diversity) and case studies

Chair: Helen Byron

Tuesday 25 May • 14:30 –16:00 • Kvitsøy

Agenda item 'Impact Assessment' – discussion and outcomes at the 8th Conference of the Parties to the Convention on Biological Diversity in Curitiba, Brazil
Sabine Mayer

The usefulness of environmental servitudes in environmental impact assessments
Claudia Holgate

Impact assessment and biodiversity considerations: a case study of Niger Delta University Campus Development Project on Wildlife of Nun River Forest Reserve in the Niger Delta
Mohammed Hamadina, Otobotekere Dimie, Donald Anyanwu

Establishment and application of eco-environmental risk assessment system of highway: a case study from G315 Yitunbulake-Qiemo Section of Xinjiang
Huarong Zhou, Yibing Qian

CS 5.2 Methods and approaches

Chair: Nick King

Thursday 25 May • 9:00 –10:30 • Kvitsøy

From waste of time to useful tool – changed perception of sustainability appraisal. An ecologist's views
Gunilla A Olsson

Impacts of region-wide urban development on biodiversity in Strategic Environmental Assessments (SEA)
Andreas Zetterberg, Ulla Mörtberg, Berit Balfors, Mikael Gontier

Assessment of endangered plant species in South Korea
Hyun-Woo Lee, Young Han Kwon, Heung-Lak Choung

Integration of biodiversity in environmental impact assessment studies in Nepal
Nawa Raj Khatiwada, Bhai Raja Manandhar

CS 5.3 The EU Birds and Habitats Directives

Chair: Andrew Dodd

Wednesday 24 May • 14:30 –16:00 • Stokka

Implementation of the EU Bird and Habitat Directive in EIA and SEA in The Netherlands
Arend Jan Kolhoff

Compensatory measures under Article 6(4) of the Habitats Directive – methodological experiences and requirements
Wolfgang Peters, Johann Köppel

Compensatory measures for habitat loss: Spanish examples
Rosa Mª Arce Ruiz

Discussion

CS 5.4 Biodiversity and hydropower generation

Chair: Bernt Rydgren

Tuesday 23 May • 15:00 –17:00 • Kvitsøy

Popa Falls Case Study
Peter Tarr

Status of biodiversity in mini-hydropower development projects in Sri Lanka
Indika Karunarathna

Biodiversity considerations in the mega-hydroelectricity project in Nepal
Batu Krishna Uprety

CS 5.5 Biodiversity and power generation

Chair: Bernt Rydgren

Tuesday 25 May • 16:30 –18:00 • Halten

Biodiversity issues pertaining to the operation and maintenance of high voltage power lines within the Cape Floristic Kingdom
Douw Willemse

Power generation and biodiversity conservation at Cuyutlán Lagoon
Guillermo Zúñiga-Gutiérrez, Francisco-Javier Hernández-Alvarez

Drivers of and response to biodiversity loss in China: can impact assessment play a role in addressing this issue?
Wei Li

Overarching discussion on power generation and biodiversity issues

CS 5.6 Biodiversity and windpower generation

Chair: Jette Kjær

Thursday 25 May • 11:00 – 12:30 • Kvitsøy

Offshore wind farms – improving EIA for better decision making
Julia Koeller, Koeppel Johann, Leena Morkel, Wolfgang Peters

EIA and SEA for offshore wind farms in the North Sea
Arend Kolhoff, Geert Draaijers

Models, methods, case studies of impact assessment of wind farms on biodiversity and landscape
Leonardo Marotta, Gianmario Deandrea, Andrea Catorci, Stefano Picchio

Knowledge, uncertainty and action
Inger-Lise Saglie

CS 5.7 Joint AFF/B&E session: agriculture, forestry and fisheries: relationships with wild biodiversity

Chairs: Patrick Duffy, Helen Byron

Tuesday 23 May • 1500 – 17:00 • Halten

Saving biodiversity in pastoral land: Earthwatch Institute's Samburu Conservation Research Initiative, Kenya
Nicholas Oguge

Impacts of woodfuel production on biodiversity – a case study from Kenya
Michael Koech

Contribution to the environmental impact assessment of the Limbe Power Project: case of the independent valuation of project-affected crops
Wirsiy Eric Fondzenyuy

Discussion on the relationships between agriculture, forestry and fisheries and "wild" biodiversity

CS 5.8 Capacity building for biodiversity, part 1

Chair: Jo Treweek

Thursday 25 May • 9:00 – 10:30 • Halten

CBBIA: progress and highlights
Jo Treweek

CBBIA: getting the process started in Asia
Ahmad Saeed

Making decisions on biodiversity: the challenges faced in southern Africa
Bryony Walmsley, Susie Brownlie, Peter Tarr

Capacity building in SEA and biodiversity in South America
Juan Carlos Garcia De Brigard, Juan David Quintero

CS 5.9 Capacity building for biodiversity, part 2

Chair: Jo Treweek

Thursday 25 May • 11:00 – 12:30 • Halten

Capacity Building for Biodiversity Inclusive Impact Assessment: the findings of the needs assessment survey in India
Asha Rajvanshi

Development of a guidance tool for professionalizing biodiversity-inclusive EIA
Vinod Mathur, Asha Rajvanshi

Indicators of wetland acidification and their relevance to impact assessment
Elijah Ohimain

The CBBIA project on impact assessment as a tool for regulating activities in and around protected areas for the benefit of biodiversity
Jo Treweek, Graham Tucker

CS 5.10 Biodiversity and poverty reduction - general

Chairs: Verina Ingram, Leif John Fosse

Thursday 25 May • 14:30 – 16:00 • Halten

Impact of poverty on the environment
Maureen Babu

Sustaining a natural balance: integrating social and community considerations in biodiversity planning
Carolyn McCommon, David Richards, Stuart Anstee

From environmental observation to action?
Anders Ellegård, Bernt Rydgren

The ecosystem approach and regional collaboration: towards achievement of the Millennium Development Goals
Isayvani Naicker

CS 5.11 Biodiversity and poverty reduction - country and sector cases

Chairs: Verina Ingram, Leif John Fosse

Wednesday 24 May • 16:30 – 18:00 • Kvitsøy

Biodiversity-inclusive screening process for Ghana's EA system
Yaw Amoyaw-Osei

Oil and gas exploration, poverty and environmental unsustainability in the Niger Delta
Elijah Ohimain

Poverty Reduction and MDGs
Verina Ingram

Biodiversity and Poverty Reduction
Ignace Mchallo

Other events on biodiversity

Training course

TC 8: Mainstreaming biodiversity in EIA and SEA for improved environmental decisions

6

Circumpolar Day

Simultaneous English-Russian translation provided.

Global warming is gradually expected to cause large changes in climatic, biological and socio-economic life conditions in the Arctic. The Arctic is also a victim of long-range transport of environmental pollution from outside the region, affecting both vulnerable parts of the ecosystem and human health of people living on traditional diets. The need for preservation of biological and cultural diversity presents large and complicated issues. This is the case on all levels of decision making, from strategic assessments to design and development of specific projects.

The circumpolar environment recognizes no national borders; most Arctic ecosystems are circumpolar in nature. This calls for a holistic or at least comparable way of describing, assessing and handling development projects. Through a carefully selected panel of international speakers, IA as an efficient management tool will be presented on circumpolar, regional and project-specific levels, and identification of differences in approach and outcome of assessments and project design will be illustrated with examples from different geographical and thematic areas. The Theme Forum will conclude with recommendations on how to improve the use of impact assessments in the polar regions.

Convenors: Gunnar Sander, Norwegian Polar Institute, and Lars-Otto Reiersen, Arctic Monitoring and Assessment Program, Norway

Consultant: Lars Henrik Larsen, Akvaplan-NIVA, Norway

Wednesday 24 May • 9 :00 – 18 :00 • Runde

Morning session
Chair: Sergey Tveritinov (Russia)

Co-chair: Gunnar Sander (Norwegian Polar Institute)

The importance of circumpolar approaches to impact assessment
Gunnar Sander

Theme 1: Setting the stage

An indigenous view on Arctic challenges
Ole Henrik Magga, Sámi University College

Circumpolar assessments of pollution, climate change and Arctic oil and gas activities
Lars-Otto Reieresen (AMAP, Norway)

The Environmental NGO viewpoints on Arctic challenges (mining, logging, transport, tourism, etc.)
Samantha Smith, WWF

Lessons learned from LaGrande Hydro Complex, Northern Quebec
Peter Leonard, Hydro-Quebec, Canada

Theme 2: Arctic EIA - international recommendations and different traditions

International conventions and Arctic EIA guidelines
Timo Koivurova, Arctic Centre, University of Lapland, Finland

Technical Program

Different traditions for EIA in the Arctic nations:
Aleh Cherp, Central European University, Budapest

- North America
- Europe
- Russia

Questions and discussion

Afternoon session
Chair: Robert Connelly (Canada)
Co-chair: Liv Østmo (Norway)

Theme 3: Environmental impacts

Strategic impact assessment in the Barents Sea Management Plan
Ingrid Berthinussen (Ministry of the Environment, Norway)

Sakhalin 2, Indigenous Peoples' Development Plan – a comparison of international and Russian social impact assessment standards, with a particular focus on Indigenous Peoples' issues
Emma Wilson, Ecoworldwide, UK

Indigenous people in EIA. A Northetn Canadian diamond mine case study.
Bill Ross. University of Calgary, Canada

Theme 4: Onshore extractive activities (oil and gas, mining, forestry, tourism) - experiences

Panel discussion.

Theme 5: Cleaning up the radioactive legacy from the past

EIA of nuclear projects in Russia as a part of bilateral collaboration
Ingar Amundsen (NRPA Statens Strålevern, Norway)

Russian EIA of technical plans for nuclear clean-ups
Vladimir Nikitin, Onega R&D Technological Bureau, Russia

Coffee break

Theme 6: The southern part of the globe: Antarctica

Environmental challenges and use of EIA in the Antarctica
Birgit Njåstad, (Norwegian Polar Institute, Norway)

Theme 7: The role of impact assessment in the Arctic

Panel discussion and addressing the follow up.
Questions to be raised:

- Is SEA/EIA an appropriate tool for meeting the environmental challenges in the Arctic?
- What are the improvements that should be done to enhance the use of these instruments in the Arctic countries?
- Effects in the Arctic arising from activities outside – is this topic presented in assessments from mid-latitudinal areas, and how should the Arctic be brought into such assessments?

Concurrent session on circumpolar issues

CS 6.1 Arctic and circumpolar

Chair: Gunnar Sander

Thursday 25 May • 9:00 – 10:30 • Runde

A Canadian perspective on northern environmental protection issues
Jean Tremblay

The early years: establishing the environmental management and monitoring programs following EIA at the Snap Lake Diamond Mine in northern Canada
Kimberley Horrocks

Strategy for sustainable environmental management of Antarctica
Berit Balfors, Juan Azcarate

7 Governance

Good governance requires transparency in decision making processes, loyalty to institutional goals, and honesty and willingness to work for the institutional benefit and the greater public good. Governance also deals with institution building, legal issues and enforcement, and ethics and quality assurance. Bad governance can bring down public confidence and seriously impact negatively on developments. Impact assessment is a key tool in guiding good governance leading to sustainable development. Public participation or consultation in decision making processes stimulates ownership and works as a guarantor of good governance in development projects and helps ensure sustainability of the undertakings. Local community engagement in these processes secures better development outcomes and strengthens democratic ideals. Impact assessment will provide decision makers and participating civil society with the information necessary to reach the best long term development solutions for the community as a whole.

This topical stream will explore the many facets of good governance, public participation in decision making, democratic processes, and how impact assessment can contribute to strengthen these aspects and secure a more sustainable future. The Theme Forum and concurrent sessions will also discuss the potential for using IA to improve political and administrative procedures and decisions, as well as implementation and enforcement issues. A difficult but still important question to discuss in this context is the use of power and how power is manipulated in the communities or governments against the use of IA under a number of circumstances.

Convener: Peter Tarr

Theme forum on governance

TF 7.1 How to encourage decision makers to make better use of IA as an efficient and transparent planning tool

Chair: Peter Tarr

Wednesday 24 May • 11:00 – 12:30 • Grip

Public participation in IA (key lessons from the Calabash project)
Peter Croal

Adding credibility to the IA process through professional guide-and-review
Bryony Walmsley

Good legislation does not ensure good decision-making – the case for formalized independent review of decisions
Nick King

Questions and discussion

Concurrent sessions on governance

CS 7.1 Governance, institution building, the legal basis and enforcement

Chair: Peter Croal

Wednesday 24 May • 14:30 – 16:00 • Terningen

The path for a legalized EIA practice in Tanzania: the potential for success and challenges
Rubhera Ram Mato

The effect of the lack of a national SEA framework in the UK
Emma James, Jo Curran

An EA step in the right direction? Sociological analysis of impact and benefit agreements in Canada's north
Ken Caine, Naomi Krogman

CS 7.2 Good governance, environmental policies, methodological advances and public participation

Chair: Arne Tesli

Thursday 25 May • 9:00 – 10:30 • Terningen

Statutory guidance for public participation in environmental governance in Tanzania: an assessment of its effectiveness for better environmental assessment and management
Jokha Suleiman

The role of environmental assessment in enhancing environmental governance: some challenges and opportunities with reference to Tanzania
Hussein Sosovele

Rights, risks and responsibilities – a governance tool
Jeremy Bird, Lawrence Haas, Lyla Mehta

CS 7.3 Good governance in the IA process, quality, credibility and capacity building

Chair: Peter Croal

Thursday 25 May • 14:30 –16:00 • Terningen

Working towards quality assurance in impact assessment: from a voluntary to a statutory certification system for environmental assessment practitioners in South Africa
Susie Brownlie, Jan Glazewski, Marlene Laros, Maitland Seaman

New tools for effective leadership and education
Joop Van Bergen

Environmental capacity development in the Spanish public sector: an evaluation of environmental assessment's potential to produce institutional reform
Pilar Clemente-Fernández, Dick Cobb

Evaluation of the Austrian EIA system in terms of quality
Astrid Merl

CS 7.4 Legacy, enforcement of laws and regulations, governance issues

Chair: Monica Hale

Thursday 25 May • 11:00 –12:30 • Terningen

NEPA improvement or dismemberment? An analysis of the report of the Task Force on Improving and Updating the US National Environmental Policy Act
Richard Grassetti

Facing the past: legacy issues and impact assessment on a major hydropower project in Tajikistan
James Ramsay, Claudia Eckhardt

Institutionalization of EIA tools and steps in sectoral agencies, Ethiopia
Abdissa Megersa

8

Poverty reduction and the millennium development goals

Poverty is the lack of freedom to meet one's basic needs and those of one's family. Hunger, disease, violence and vulnerability are the fate of at least 1.2 billion people living in absolute poverty today. But many more are poor in this world, because poverty is not having access to school and not knowing how to read, it is not having a job, and fear for the future, living a day at a time. Poverty is powerlessness, lack of representation and freedom. The United Nations adopted a set of global development goals in 2000 that seek to halve the world's poverty by 2015. These Millennium Development Goals states that basic education for boys and girls, gender equality, health, combating communicable diseases, environmental concerns and sustainable development shall be the guiding principles for all. Impact assessment has a role to play in reaching these goals, and poverty is therefore a central theme in this year's IAIA conference.

This topical stream provides an important opportunity for all institutions and individuals interested in poverty reduction and sustainable development, and the role impact assessment can play to reduce poverty.

The purpose of these Theme Forums and the subsequent concurrent sessions is to raise the debate regarding the relationship between the urgent need for improved data and basis for decisions to be made that will lead to adequate measures for poverty eradication, in the context of the Millennium Development Goals, and the role that can, and should be played, by impact assessment. In this context two types of poverty are considered:

1. Absolute poverty, understood as the 1 USD/day household / individual
2. Relative poverty, or the poverty associated with urban social distresses such as social fragmentation, exclusion, situations that generate drug and alcohol abuse, often resulting from unemployment and other urban segregation factors.

Co-conveners: Maria Rosario Partidario, Portugal, Arne Dalfelt, Norway

Theme Forums on poverty reduction and the Millennium Development Goals

TF 8.1 Poverty reduction and the Millennium Development Goals: How can an impact assessor contribute?

Chair: Maria Rosário Partidário

Tuesday 23 May • 12:30 - 14:30 • Grip

Setting the stage: MDG and the global response
Olav Kjørven, UNDP, New York

Development assistance: assessing the impacts, and the way forward
Poul Engberg-Pedersen, Norwegian Agency for International Development (NORAD)

Urban poverty and climate impacts
Fabio Feldmann, Executive Secretary, Sao Paulo Forum on Climate Change, Brazil

Questions and discussion

TF 8.2 Is development assistance having a positive impact in reducing absolute poverty and the gap between the rich and the poor, or is it counterproductive in the long run? Can impact assessors play a positive role?

Chair: Charlotte Bingham

Wednesday 24 May • 9:00 - 10:30 • Grip

Duel
Rob Verheem: The development assistance provider – let's give more

Richard Morgan: The skeptic – development assistance is counterproductive

Panel
Linda Ghanime, UNDP, New York
Hans Olav Ibrekk; NORAD, Norway
Jonathan Allotey, Ghana
John Boyle, World Bank
Dieudonne Bitondo, Cameroon
Anne Kari Ovind, Norway

TF 8.3: Social fragmentation, lack of integration, marginalization. Is relative poverty happening in our urban developed societies? Do we understand the long term impacts? Should the world worry about Relative poverty when Absolute poverty is so widespread? Can impact assessors do something about it?

Chair: Peter Tarr

Thursday 25 May • 16:30 –18:00 • Grip

Background and statistics:
NIBR: Arne Tesli / Geir Orderud

Moderator: Charlotte Bingham

Panel
Elvis Au, Hong Kong
Bryony Walmsley, South Africa
Hans Olav Ibrekk, Norway
Markus Eggenberger, Viet Nam
Izabella Teixeira, Brazil
Summing up and looking towards the future
Charlotte Bingham

Concurrent sessions on poverty reduction and the Millennium Development Goals

CS 8.1 Development and poverty reduction, session 1

Chair: Charlotte Bingham

Tuesday 23 May • 15:00 –17:00 • Grip

Impact assessment and comprehensive planning of a development project: the hydroelectric project La Parota Case
Francisco-Javier Hernández-Ávarez, Guillermo Zúñiga-Gutiérrez

Poverty impact: evidence of communication effectiveness
Bridget McBean

Monitoring of environmental and social questions in the National Hydropower Programme in Vietnam
Hans-Georg Wallentinus, Karin Isaksson

CS 8. 2 Development and poverty reduction, session 2

Chair: Hans Olav Ibrekk

Thursday 25 May • 9:00 –10:30 • Lindesnes A

Environmental integration in EC development cooperation programming: experiences in the use of country environmental profiles
Juan Palerm, Jean-Paul Ledan, Peter Brinn

Impact assessement in wetlands management as solution to poverty
Kokou Edem Nyanutse

Capacity for environmental review of small-scale activities, key concepts and lessons learned
Mark Stoughton, Weston Fisher

CS 8.3 Assessing the resource sector's impact on sustainable development

Workshop
Chair: Sandra Seru

Thursday 25 May • 11:00 –12:30 • Tungenes A

Critical load and level approach for assessment of ecosystems risks in EIA: promises and challenges
Olga Demidova, Vladimir Bashkin

Assessment for sustainable development: theoretical framework and mining sector case studies from Canada, Namibia, and South Africa
Theo Hacking, Peter Guthrie

Hazardous waste landfill in Mexico and its relationship with poverty and social conflicts
Grethel Villicaña, Martín Quijano

CS 8.4 SEA in developing countries: experiences and perspectives, session 1

Chair: Izabella Teixeira, Suphakij Nuntavorakarn

Wednesday 24 May • 14:30 –16:00 • Tungenes

SEA in developing countries: an overview
Izabella Teixeira

Reflections and Perspectives
Maria Partidario

Integrating environmental concerns in development planning process: the case of Ghana
Ebenezer Appah-Sampong

Development of EIA for plans and programmes in China
Haisheng Li

CS 8.5 SEA in developing countries: experiences and perspectives, session 2

Chair: Izabella Teixeira, Suphakij Nuntavorakarn

Wednesday 24 May • 16:30 –18:00 • Tungenes

The first step in a long journey: progress and reflection on recent SEA initiatives in Thailand
Suphakij Nuntavorakarn, Decharut Sukkumnoed, Sombat Haesakul

Environmental and social risk assessment of Lake Chad Basin ecosystem
Charlie Wolf

Q&A and open discussion

The advancement of SEA in Madagascar
Paul Andrianaivomahefa

9

Tool development

UNEP and IIED will present their recent work and future activities on integrated assessment and sustainability appraisal, respectively.

Following consultative meetings with governments and agencies in 2005 and 2006, UNEP has been exploring with a range of countries and other organisations modalities for an initiative to develop a reference manual for integrated assessment/sustainability appraisal. The manual would cover analytical approaches that can be used to integrate or inter-relate the environmental, social and economic pillars of sustainability into decision-making on proposed initiatives (at any level from policy to project). Progress with this initiative will be reported and the key opportunities and challenges presented.

UNEP will also report on the outcome and lessons that can inform the framework initiative derived from nine recent country projects on integrated assessment.

For the past 18 months, IIED has been undertaking a review of international experience and practice in sustainability appraisal (SA), with support from the Norwegian Ministry of Foreign Affairs. IIED is preparing a sourcebook and reference guide due for publication later in 2006. The authors will present key findings which will provide a baseline for IIED's plans to continue its work to develop and test a framework for sustainability appraisal. This on-going work will include developing a 'consumer guide' to ways to integrate environment to support the MDGs.

These presentations will be followed by debate covering:

- Integrated assessment/sustainability appraisal as a tool for poverty reduction and achieving the MDGs
- Capacity-building, institutional and human resource requirements at the national level
- Key sectors for applications (energy, agriculture, fisheries, tourism, etc)
- Role of international organizations, development assistance organizations, financial institutions, NGOs to promote integrated assessment /sustainability appraisal

Convenors: Hussein Abaza, Barry Dalal-Clayton and Barry Sadler

Theme Forum on tool development

TF 9.1 From project assessments to sustainability appraisal

Chair: Hussein Abaza

Thursday 25 May • 16:30 –18:00 • Dyna

Sustainability appraisal as a tool for poverty reduction and achieving the MDGs
Barry Dalal-Clayton

Key sectors for application of and role of international organizations, development assistance organizations, financial institutions and NGOs
Barry Sadler

Capacity building, institutional and human resource requirements
Hussein Abaza

Concurrent session on tool development

CS 9.1 Tool development

Chair: Hussein Abaza

Thursday 25 May • 14:30 –16:00 • Grip

Integrated assessment and plannning or strategies for sustainable development?
Aleh Cherp

Integrating IA guidelines for the Oman oil and gas sector: a best practice process based on multi-stakeholder consultation
Deirdre Lapin

The contribution of environmental assessment to sustainable development: towards a richer empirical understanding
Matthew Cashmore, Alan Bond, Dick Cobb

Soils and SEA
Rob Askew, Jo Curran, Emma James

Other events on tool development

Training courses

TC 1: Practical guide to effective IA follow-up

TC 6: Professional ethics in environmental assessment

TC 10: Practical guide to sustainability assessment

10

Agriculture, forestry and fisheries

The application of EIA to agriculture, forestry, and fisheries will be featured in twelve papers from five continents, placing the focus on these sectors which have been relatively ignored until recently. Reports will be given from Cameroon, Vietnam, USA and Peru, among other nations.

The papers are arranged by sector and include a useful mix of policy, conceptual frameworks, technology, surrogates to EIA, cumulative effects assessment, and success stories. Presenters are from developing countries, FAO, academics, NOAA of the USA, and consultancies.

Apart from moving the papers to publication, an effort will be made to write recommendations to funding agencies to sponsor follow-up on particularly deserving projects described in these sessions. "Next steps" will therefore be a part of our meetings at Stavanger.

Elsewhere in the program, the Biodiversity Section and the AFF Section will hold a joint meeting on the critical issues of biodiversity losses brought on by chronic and damaging practices in the three sectors.

The AFF section is a three-year-old fledgling and new members are welcome as we seek to improve the environmental, social, and economic performance in agriculture, forestry, and fisheries.

Section coordinator: Patrick Duffy

Concurrent sessions on agriculture, forestry and fisheries

CS 10.1 EIA and agriculture

Chair: Michael Koech

Thursday 25 May • 9:00 – 10:30 • Lindesnes C

Success stories in the application of EIA to agriculture, forestry and fisheries

Impact assessment of natural resources management technologies in crop-livestock systems in arid and semi-arid areas
Abdelali Laamari

PRA and EIA: a powerful combination for agricultural and rural development
Patrick Duffy, Eve Crowley

Developing a policy-relevant framework to assess the social consequences of technological developments in agriculture
Frank Vanclay, Wendy Russell, Heather Aslin

Caprivi Sugar case study
Peter W Tarr

CS 10.2 EIA and forestry

Chair: W K (Bill) Klassen

Thursday 25 May • 11:00 – 12:30 • Lindesnes C

Integrating evironmental assessment and GIS technologies to support participatory decision making for forest resources in developing countries
Emily Weeks

SEIA in Peru and the identification of required capacities for HIS effective application in the agriculture and forestry sector
Pedro Flores

Forest stewardship certification and impact assessment practice in New Zealand forestry companies
Richard Morgan, Andrew Hart

Conceptual and methodological framework for the integrated assessment of forestry management plans
Dieudonne Bitondo, Laura Russo

CS 10.3 EIA and fisheries

Chair: Pamela Gunther

Thursday 25 May • 14:30 – 16:00 • Classroom 4

Agriculture, forestry and fisheries: relationships

Promoting sustainability of marine fisheries through impact assessment
Sarah Gurtman, Larry Canter, Sarah Thompson

Cumulative effects assessment for fisheries management plans
Sarah Gurtman, David Tomey, Anthony Morton, Larry Canter, Jennifer Anderson

Integrating knowledge on fisheries impacts through environmental assessment
Mark Curtis

Environmental implications of land administration and land reform projects: some lessons learned
George Ledec

Other events on agriculture, forestry and fisheries

Technical visit

TV D: Ryfylke fjord: coastal zone management and fish farming

11

Disasters and conflicts

The Disasters and Conflict Section regularly sponsors a session at the annual IAIA meetings to highlight the importance of environmental impact assessment in planning for and addressing different types of disasters and other crisis events. The number of papers each year has remained small with respect to the overall number of papers presented at the annual meetings. However, the Section believes that persistence in highlighting that good impact assessments, which consider the likelihood of disasters and other crisis, will lead to better and more sustainable development. Papers from previous sessions on disasters, crisis and environmental impact can be found at the Rapid Environmental Impact Assessment Project web site:

(http://www.frameweb.org/ev.php?ID = 7987_201&ID2 = DO_TOPIC)

Section coordinators: Charles Kelly, Michel Bouchard

Concurrent session on disasters and conflicts

CS 11.1 The impact of conflict, disasters and other extreme events impact

Chair: Michel Bouchard

Tuesday 23 May • 15:00 – 17:00 • Tungenes

Conflict impact assessment and risk management in practice: oil companies working in developing countries
Luz Angela Pinilla Urzola, Henry Correa

Integrating EIA in post-conflict countries
George Bouma, Grant Wroe-Street

SEA in conflict-affected countries
Rob Verheem

12

Environmental management systems

An Environmental Management System (EMS) is a tool that can be used to promote business greening, to monitor compliance with applicable regulations and standards, and to work toward environmental sustainability. During development of its EMS, a corporation should undertake a detailed process to identify activities that create environmental impacts and develop specific goals, objectives and targets to address significant impacts. Key performance indicators can be developed within a corporate or project-level EMS to assist with measuring and demonstrating success in meeting EMS objectives. Responsible practices suggest that corporations should not only ensure their projects are environmentally sustainable through the use of impact assessment, but they should also manage their own corporate environmental impacts through the development of an EMS.

Technical Program

These sessions will provide opportunities to discuss practical applications of EMS and how the use of EMS can help promote transparency and accountability of project sponsor activities.

Section coordinator: Debra Zanewich

Concurrent sessions on environmental management systems

CS 12.1 Environmental management systems, session 1

Chair: Debra Zanewich

Tuesday 23 May • 15:00 – 17:00p • Classroom 2

Sustainable integrated forest management mountain forest
Pius Adeniyi

The EIA and the environmental management at the Miravalles geothermal field after 12 years of exploitation
Harman Guido-Sequeira

Tracking EIA applications in South Africa
Anbendren Pillay

Lessons learned for the Total Water Quality Management (TWQM) system
Jong-Gwan Jung, Sang-Jin Yi

CS 12.2 Environmental management systems, session 2

Chair: Debra Zanewich

Wednesday 24 May • 14:30 – 16:00 • Classroom 2

Examining the effectiveness of environmental management systems in practice
Tracey Nitz

Integration of environmental management system and EIA in the Swedish National Rail Administration
Kristina Lundberg, Berit Balfors, Lennart Folkeson

Environmental administration system as a tool to improve the environment impact assessment
Hartman Guido-Sequeira

Environmental managment and environmental management tools in practice: the view of the environmental managers
Tracey Nitz, Lex Brown

Links between environmental impact assessment and environmental management systems: a conceptual framework
Justin Krijnen

13

Health impact assessment

Due to the growing knowledge, policies, and practices on Health Impact Assessment (HIA) in various countries and institutions around the world, the HIA stream this year will cover many key aspects of HIA development. The development of HIA national systems and HIA institutionalization will be presented and discussed. Another session is devoted to the issues surrounding strategic HIA and addressing health in SEA.

As social determinants of health have been increasingly recognized as the vital "cause of the causes" of health problems, a session is planned for case presentations and discussion of its applications. Moreover, different methods and tools related to HIA will be presented and also several cases of HIA practices will be shared and discussed, including the case of Statoil and the Potash mining project in Thailand. In addition, concepts and approaches are dealt with in the HIA Kaleidoscope session as well.

Particular for this year, a specific session is arranged for presentations of HIA in each Nordic country with the discussion on different strategies for mainstreaming HIA into decision making processes. Lastly, the Health stream will be concluded in the session on Principles and Practices of HIA IAIA "Principles" document, where the draft document will be circulated in advance through HIA Listserv and also posted on the IAIA website in the HIA Section.

Section coordinator: Lea den Broeder, Suphakit Nuntavorakarn

Concurrent sessions on health impact assessment

CS 13.1 HIA institutionalization and national system

Chair: Lea den Broeder

Tuesday 23 May • 15:00 – 17:00 • Classroom 3

A national policy on health impact assessment in Lao PDR – a contribution towards sustainable development and poverty reduction
Peter Furu, Bounlay Phommasack, Robert Bos, Yanyong Inmuong, Soutsakhone Chanthaphone

HIA institutionalization in Thailand: the struggle of power and rationality in public policy processes
Decharut Sukkumnoed, Wiput Phoolcharoen, Suphakij Nuntaworakarn

Evaluating the roll-out of HIA in New Zealand
Robert Quigley, Martin Ward, Barbara Langford

Pre-screening? Developing realistic approaches to the system-wide use of HIA
Ben Harris-Roxas, Patrick Harris, Lynn Kemp, Elizabeth Harris

CS 13.2 Concept and case of strategic HIA

Chair: Wiput Phoolcharoen

Wednesday 24 May • 14:30 – 16:00 • Classroom 3

Health impact assessment and health promotion
Robert Bos

Future strategies for addressing health in SEA
Alan Bond, Ben Cave, Marco Martuzzi, Suphakij Nuntavorakarn

Making a healthier choice an easier choice: the roles of HIA and institutional analysis in Thai renewable energy policy
Decharut Sukkumnoed, Suphakij Nuntaworakarn

CS 13.3 HIA: methods and tools

Chair: Martin Birley

Wednesday 24 May • 14:30 – 16:00 • Classroom 4

Impact pathway approach to health impact assessment: examples of European research projects
Alena Bartonova, David Briggs, Peter Van Den Hazel, Jozef M Pacyna

Health impacts of the built environment
Teresa Lavin

Environmental burden of disease studies – differences explored
Anne Knol, Elise Van Kempen, Brigit Staatsen

Guide to reviewing published evidence for use in health impact assessment
Jennifer Mindell, Lorraine Taylor, Karen Lock, Mike Joffe, Sarah Curtis, Annette Boaz, Anna Boltong, Jane Biddulph

CS 13.4 Social determinants and HIA

Chair: Ben Cave

Wednesday 24 May • 16:30 – 18:00 • Classroom 3

Addressing socio-economic determinants in HIA
Marco Martuzzi

Health as if the poor matter: the roles of HIA and social determinants of health in Thailand's poverty alleviation policy
Nuntana Sabrum, Decharut Sukkumnoed

Towards a model for obesity-focused HIA
Harry Rutter, Lea Den Broeder, Lennert Veerman, Jantine Schuit

CS 13.5 HIA in Nordic countries

Chair: Arne Marius Fosse

Wednesday 24 May • 16:30 – 18:00 • Classroom 4

Discussion on strategies, status and experiences with implementing HIA in Sweden, Denmark, Finland and Norway
Arne Marius Fosse

Human impact assessment – from quality to effectiveness
Kirsi Nelimarkka, Tapani Kauppinen, Kerttu Perttilä

CS 13.6 HIA kaleidoscope

Chair: Alan Bond

Thursday 25 May • 9 00 – 10:30 • Classroom 3

Post-Normal Science, Local Lay Knowledge and Plural Rationalities
Salim Vohra

Consideration of climate change for Arctic Indigenous Peoples in health impact assessment
Diane McClymont Peace, Peter Berry, Sandra Owens

Successes in impact assessment's contribution to Millennium Development Goal 6: a review of the assessment of HIV/AIDS impacts of development projects
Vasna Ramasar

CS 13.7 HIA : practices and training

Chair: Peter Furu

Thursday 25 May • 11:00 – 12:30 • Classroom 3

Health impacts from unleaded gasoline: lead astray?
Luc Int Panis, Leo De Nocker, Rudi Torfs

Local empowerment through health impact assessment: case study of Potash Mining Project at Udon Thani Province, Thailand
Somporn Pengkam

A strategy for integrating health impact assessment into a business/project organisation
Liv-Torill Austgulen

Web-based training for health impact assessment
Diane McClymont Peace, Pierre Gosselin, Roy Kwiatkowski

CS 13.8 Roundtable on the principles and practices of HIA

Chair: Robert Quigley

Thursday 25 May • 14:30 – 16:00 • Classroom 3

Debating the principles and practice of health impact assessment: IAIA principles document
Robert Quigley, Alan Bond

Other events on health impact assessment

Pre-conference meeting

Joint HIA/SIA workshop – integration: theory and practice

14

Public participation

Public participation in impact assessment is growing. In many countries and regions, the focus is shifting from information provision towards consultation and active involvement. New spaces of governance are created, where values and political power are expressed. Hybrid forums, multi-actor focus groups, follow-up committees, and Internet discussion groups are amongst these new spaces, as well as more traditional participation practices. Objectives of public participation seem to be moving towards creating conditions for good governance, social learning and empowerment of stakeholder groups.

During the sessions on public participation, we would like to:

- Share the ways public participation, through traditional and new spaces of governance, may contribute to poverty reduction and empower communities towards a more sustainable environment.
- Learn the institutional and organisational design of these new spaces of governance.
- Identify and debate the ethical challenges in public participation.
- Learn about new methods and instruments.
- Hear case studies from around the world having experienced some ways, traditional or new, of public participation in IA.

In the PP sessions, EIA practitioners share their experience with awareness raising and active involvement of stakeholder groups, tell about the progress of PP in several parts of the world, discuss examples of 'new spaces of governance' and social learning. We expect this forum to bring to the agenda new challenges in public participation and capacity-building, and that it will improve networking for a better practice.

Section coordinators: Pierre André and Bert Enserink

Concurrent sessions on public participation

CS 14.1 Public participation at grass roots level

Chair: Bert Enserink

Wednesday 24 May • 14:30 – 16:00 • Hall C. Marstein

Data collection by the people, from the people and for EIA
Oritsetimeyin Dada

Environmental assessments of water projects at community level in South Sudan: from donor requirement to community practice
Douglas Ouma

Power, poverty, and public awareness: addressing electrical safety issues in Moldova
Elizabeth Smith, Lutz Blank

CS 14.2 Public participation and good governance

Chair: Bert Enserink

Wednesday 24 May • 16:30 – 18:00 • Hall C Marstein

Good governance and public participation in impact assessment of petroleum development projects in Nigeria: addressing poverty eradication in, and sustainable development of, the Delta Region
Edward Bristol-Alagbariya

Governance and public participation in China: towards a sustainable urbanization strategy
Bert Enserink, Joop Koppenjan

Development of public participation in environmental impact assessment in Thailand
Indhira Euamonlachat

Public involvement for sustainable society and SEA
Sachihiko Harashina

CS 14.3 Public participation: new spaces of governance

Chair: Bert Enserink

Thursday 25 May • 09:00 – 10:30 • Hall C Marstein

Is there value in public participation processes in environmental assessment decision making?
Monique Sham, Claudia Holgate

Mediated representativity in agenda setting and policy analysis: the VPA AIDS and rural development
Loes Witteveen, Bert Enserink, Rico Lie

Time for a new approach to environmental assessments: promoting cooperation and consensus for sustainability
John Sinclair, Meinhard Doelle

Collaborative problem solving in public participation: changing the interpretation of the World Bank Inspection Panel's Rules of Conduct
Kadri Sirg

CS 14.4 Public participation and learning

Chair: Bert Enserink

Thursday 25 May • 11:00 – 12:30 • Hall C Marstein

Learning through participation in EA: case studies from Canada
Patricia Fitzpatrick

Public consultation or the empowerment of elderly men?
Charlotta Faith-Ell, Yvonne Jacobsson

Planning hydroelectric power plants with the public: a case of organizational and social learning in Mexico
Basilio Verduzco-Chavez

CS 14.5 Public participation large projects

Chair: Bert Enserink

Thursday 25 May • 14:30 – 16:00 • Hall C Marstein

Consensus building process of making a waste management plan – a case study on Chushin Area in Nagano Prefecture, Japan
Youhei Sunaga, Sachihiko Harashina

Public participation around mainports: the Schiphol case
Irene Van Kamp, Kees Leidelmeier, Danny Houthuijs, Femma Van Breejen, Oscar Breugelmans, Rebecca Stellato, Carla Van Wiechen

Technical Program

EIA for dummies – a Web-based toolkit for improving public participation
Nick King

Technology and public participation methods
Ainhoa Gonzalez, Alan Gilmer, Ronan Foley, John Sweeney, John Fry

Other events on public participation

Training course

TC 5: Public participation in environmental assessment

15

Social impact assessment

This stream of sessions, which has been included in the program for many years, will explore current issues which matter to SIA practitioners and to a more global audience. This year, SIA practitioners have been particularly invited to present papers on integrated assessment, a critical issue which has been highlighted at recent IAIA meetings and which has many important implications for SIA. During the first session, this issue will be explored at a more global level in several national contexts and for specific types of assessments such as life cycle assessment and land use planning. At that first session, the important problems faced by European SIA practitioners and which are shared by others working in several parts of the world, regarding the status of SIA (among other issues), will be explored. In these national contexts, the integration of SIA in overall EIA often turns out as problematical or is perceived as such. EIA practitioners more generally interested by issues of integration and the status of SIA inside EIA are invited to attend this session, as well as the last one. During the second session, project-level EIAs will be presented. Their interface with overall EIAs will be discussed, along with other important issues for SIA practitioners such as the role of public consultation and the involvement of aboriginal (or first) nations. The third session will explore another important field where the integration of SIA within EIA is viewed as challenging, namely the contribution of SIA to land management. At the end of that third session, participants will be invited to discuss the recurrent themes of the three SIA sessions.

In addition to the three SIA paper sessions, one SIA Roundtable session will be devoted to facilitate discussion of issues on the theme of "empowering people to participate in SIAs." This session is totally participatory and involves no prepared papers.

Section coordinator: James Baines

Concurrent sessions on social impact assessment

CS 15.1 SIA I – challenges raised by the integration of social impact assessment in EIA

Chair: Pierre Senécal

Wednesday 24 May • 16:30 – 18:00 • Terningen

Towards social indicators for project life cycle management purposes
Alan Brent, Carin Labuschagne

Social impact assessment in regional land-use planning
Rauno Sairinen, Timo Heikkinen

The impact of a non-legislative framework of SIA
Wouter Verheyen

CS 15.2 SIA II – social impact assessments integrated in project level EIAs

Chair: Pierre Senécal

Thursday 25 May • 09:00 – 10:30 • Grip

Power to the people – lessons learned in linear social impact assessments in South Africa
Ilse Aucamp

Issues and impacts generated by a road network in a remote area – Hydro-Québec's Northern Access Follow-Up Program
Pierre Senécal

Socio-economic impact assessment mitigation for Aboriginal Peoples in Canada
Heidi Klein, Tomasz Wlodarczyk

CS 15.3 SIA III – contributions of social impact assessment to land management issues

Chair: Pierre Senécal

Thursday 25 May • 11:00 – 12:30 • Grip

Instituting community involvement: the role of social impact assessment (SIA) in urban regeneration in Hong Kong
Winnie Law

Social impacts of the second home boom: the case of the Jersey Shore
Wes Roehl

CS 15.4 Empowering people to participate in SIAs

Roundtable
Chair: James Baines

Thursday 25 May • 14:30 – 16:00 • Tungenes

Other events on social impact assessment

Training course

TC 4: The concepts, process and methods of social impact assessment: a basic course

Pre-conference meeting

Joint HIA/SIA workshop – integration: theory and practice

16

Strategic environmental assessment

Previous IAIA conferences have shown that SEA has developed quickly over the past decade. Whereas in the mid-1990s, it was only sporadically applied in few countries and systems, it now has become an established policy, plan and programme support instrument that is used in many countries, in a wide range of different situations and by different administrations and bodies. SEA now encompasses many instruments that differ in terms of the methods and techniques used, scope and elements covered. This became very clear during the 2005 Prague IAIA SEA thematic meeting. Whilst Prague showed that there has been some considerable progress in developing SEA quality and effectiveness, there are a number of aspects that need improving. These include:

- The effective implementation of SEA, particularly focusing on jurisdiction specific guidance; generic effectiveness or performance criteria (such as the IAIA SEA performance criteria)
- The effective communication in the SEA process and on the SEA results with decision makers and other stakeholders
- The adaptation of SEA to specific contexts and systems, so that SEA is fit for purpose; in this context, we particularly need to know more regarding SEA at the policy level.
- The delivery of better outcomes through objectives-led and tiered SEA and systematic follow-up
- The role of SEA in safeguarding of the environment

At the Stavanger conference, we envisage sessions with different formats, including paper based and debate based sessions.

Section coordinator: Thomas Fischer

CS 16.1 Transport SEA

Chair: Ralf Aschemann

Tuesday 23 May • 15:00 – 17:00 • Dyna

A practical example of tiering – linking SEA of different levels of transport and land use planning in Wales
Monica Fundingsland Tetlow, Robert Gardner

Strategic environmental assessment and landscape fragmentation
Petr Andìl

Transposition of the European SEA Directive and implications for English local transport plans
Monica Fundingsland Tetlow

Tiering SEA and project EIA: lessons from highway planning in São Paulo, Brazil
Luis Sánchez, Solange Silva-Sánchez

CS 16. 2 SEA guidance and its development

Chair: Wolfgang Wende

Thursday 25 May • 14:30 – 16:00 • Dyna

Scoping for SEA in The Netherlands: generic or tailor made?
Marja Van Eck, Rob Verheem

Development and implementation of Strategic Environmental Assessment (SEA) in Korea
Young-Il Song, Hyun-Woo Lee, Kwan-Kyoo Lee, Yong-Joon Joo, Sujin Bae, Sang-Wook Han

SEA Directive in Swedish detailed planning: role, effectiveness and efficiency
Ida Täander, Charlotta Faith-Ell

SEA Handbook for EU Cohesion Policy for 2007-2013
Jiri Dusik, Ausra Jurkeviciute

CS 16.3 SEA tiering and monitoring

Chair: Jos Arts

Thursday 25 May • 14:30 – 16:00 • Lindesnes C

Ideas for a conceptual approach for SEA monitoring of regional plans
Marie Hanusch

Linking SEA follow-up with EMS in local authorities
Aleh Cherp, Sara Emilsson, Olof Hjelm

Criteria for indicator selection for use in SEA
Alison Donnelly, Mike Jones, Tadhg O'Mahony, Gerry Byrne

Policy-level Strategic Environmental Assessment (SEA): completing the cycle
Charles Alton, Benjamin Underwood

CS 16.4 Other SEA applications

Chair: Jean-Philippe Waaub

Thursday 25 May • 09:00 – 10:30 • Dyna

Strategic environmental assessment implementation in China – a case of SEA for national economy and society development plan
Jing Wu, He Xu

Strategic environmental guidelines for sustainable rural water and sanitation delivery in Ghana
Richmond Amoako, Emmanuel Acquah, Seth Larmie

Preliminary SEA of great Western development strategy in China
Wei Li

Capacity development for SEA application in the Newly Independent States (NIS)
Henrieta Martonakova, Jiri Dusik, Ausra Jurkeviciute

CS 16.5 Theory behind SEA: Enhancing SEA's effectiveness

Chair: Olivia Bina

Thursday 25 May • 09:00 – 10:30 • Utsira

How strategic environmental assessment becomes successful environmental assessment
Hens Runhaar, Peter Driessen

Effective SEA in Italy and in the UK
Paola Gazzola

The emperor's new clothes – reflections on SEA practice in South Africa
Francois Retief, Carys Jones, Stephen Jones

Sustainability assessment: lessons from the EU bioscene project
William Sheate, Maria Rosário Partidário, Olivia Bina, Helen Byron

CS 16.6 SEA methods and techniques/capacity building

Chair: Paola Gazzola

Thursday 25 May • 11:00 – 12:30 • Dyna

How to make words count
Kerstin Arbter

From theory to reality: landscape indicator assessment and mapping
Lianda d'Auria

Alternatives, options and scenarios in strategic environmental assessment
Margaret Desmond

Using the new manual on SEA from EUTREN in finding better ways of working in regional transport planning
Inga-Maj Eriksson

CS 16.7 SEA in the World Bank

Chair: Paula Posas

Thursday 25 May • 11:00 – 12:30 • Utsira

SEA at the World Bank: evolution in SEA approaches
Kulsum Ahmed

Outcome of an *ex-post* review of SEA and SEA-like processes at the World Bank 1995-2002
Jean-Roger Mercier, Poonam Pillai, Rob Verheem

Strategic environmental assessment of the New Forest Bill in Kenya
Fernando Loayza, Chandrasekharan Diji

SEA legislation: results of a nine-country review
Kulsum Ahmed, Yvonne Fiadjoe

CS 16.8 SEA in spatial/land use planning

Chair: Ingrid Belcakova

Thursday 25 May • 14:30 – 16:00 • Utsira

SEA on land use planning toward sustainability
Jong Ho Lee, Tae Geun Kim, Sang Pyo Hong, Kwang Yul Kim

Enhancing sustainable territorial systems integrating Strategic Environmental Assessment (SEA) into territorial planning in case of the new Hungarian Spatial Development Concept (RDC)
Marton Peti, Geza Salamin

The role of SEA in a complex planning situation
Kristina L Nilsson, Anders Hedlund

Good practices in SEA of spatial plans in Sweden and The Netherlands
Sandra Rihm, Luis Martins Dias

CS 16.9 Learning and governance I

Chair: Lone Kørnøv

Tuesday 23 May • 15:00 – 17:00 • Utsira

Role of SEA in transitional countries: return of planning?
Olena Borysova

Capacity building for SEA in Brazil: initial considerations for effective SEA implementation
Denis Kirchhoff

Towards a framework for *ex-post* SEA: a theoretical exploration
Åsa Persson, Måns Nilsson

Sustainability assessment: a dialogue of the deaf or a social learning process?
Jenny Pope

CS 16.10 Learning and governance II

Chair: Holger Dalkmann

Wednesday 24 May • 14:30 – 16:00 • Lindesnes C

Beyond hurdle jumping: managing the impact assessment process for environmental performance
Jos Arts, Angus Morrison-Saunders

Do nothing – but do it well: experience from SEA practice
Angus Morrison-Saunders, Ross Marshall

Scenario-based approaches in strategic environmental assessments
Samuel Bartlett, Bjørn Brunstad

Three models of potential innovative collaboration in SEA?
Elsa João

CS 16.11 Learning and governance III

Chairs: Holger Dalkmann/ Lone Kørnøv

Wednesday 24 May • 16:30 – 18:00 • Utsira

The role of SEA in evaluating Local A21
Jean-Philippe Waaub, Émilie Thuillier

Norwegian and Nordic perspectives on the linkages between EIA and SEA
Arne Tesli, Tor Lerstang

The EIA and SEA as instruments of democratization in countries with economy in transition. Role of NGOs in implementation of EIA and SEA
Nune Darbinya, Hrach Ashikyan

CS 16.12 Introducing SEA in different systems and countries

Chair: Paola Gazzola

Thursday 25 May • 11:00 –12:30 • Tungenes B

Importance of SEA for Mining Regions–The Serbian Example
Tamara Maricic, Bosko Josimovic

Improving EIA to enable SEA
Maria Partidário

An analytical overview of SEA framework in Kenya
Vincent Onyango

Introducing the SEA-like approaches into the environmental asessment of master plans in the Russian Federation: the example of Kazan City Master Plan [pilot project]
Alexander Zhurba, Sergey Vasiliev, Eduard Baibakov, Marina Khotuleva, Ausra Jurkeviciute

Summary and outlook

Other events on strategic environmental assessment

Training course

TC 9: Strategic environmental assessment: experience and good practice in strategic approaches to assist decision making

17

Environmental IA law, policies and practice

Every textbook on EIA stresses the need for a legal framework. In order to have an impact as a policy tool, EIA requires a firm institutional basis including laws and regulations. But a legal framework is also a fundamental requirement for sustainable development. This global objective cannot be attained without instruments that put principles into practice in all our societies. No wonder that the legal EIA landscape offers a lot of variety

This stream can be considered as a showcase of the institutional diversity of EIA systems given their national or regional backgrounds. The stream, however, has been split in four sessions in order to address a number of substantive EIA law and policy issues: economic development, practice and regulation management, comparative approaches, and the future of EIA. A separate additional perspective on EIA concerns the transboundary approach where legal systems and institutional settings have to co-operate. This is the topic of the fifth session.

Presenters are expected to include in their oral presentations some critical reflections The presentation should be more focused on "lessons learned" than on a description of laws, systems or practices. In order to facilitate the discussions, the session chairs encourage presenters to indicate ways and means for improvement of the EIA or SEA system(s) they have researched.

Section coordinators: Susan Waters, Jan De Mulder

Concurrent sessions on environmental IA law, policies and practice

CS 17.1 Environmental law and economic development policies

Chair: Susan Waters, Jan De Mulder

Tuesday 23 May • 15:00 –17:00 • Ullandhaug

The use of the Ugandan legal and policy systems to address environmental and social safeguard issues in the World Bank and African Development Bank projects
Emmanuel Kasimbazi

Power, poverty and sustainability: the role of environmental NGOs and voluntary associations in environmental litigation in South Africa
Catherine Coni

Beyond SEA and EIA: greening regional development programme – environmental integration into structural funds
Zoltan Karacsonyi

CS 17. 2 Environmental law in practice and regulation management

Chair: Susan Waters, Jan De Mulder

Wednesday 24 May • 16:30 –18:00 • Classroom 2

Writing environmental impact management law: a South African perspective
Amanda Britz, Wynand Fourie

Institutionalizing mitigated FONSIs: another step away from the precautionary principle
Rachael Rawlins, Robert Paterson

Trial of including EA in project appraisal system in Lao PDR
Somphath Souvannavong, Akiko Urago

Putting policy into practice: the opportunities and challenges of the Richtersveld Land Claim
Bryony Walmsley, Tony Barbour

CS 17.3 Comparing national EA systems

Chair: Susan Waters, Jan De Mulder

Thursday 25 May • 09:00 –10:30 • Classroom 2

Comparing EIA procedures and contents in Kenya, Tanzania, Mozambique and EU
Cristina Rebelo, Guerreiro José

Strengthening EIA: the case of Central America
Marianela Cedeno, Grethel Aguilar

Cultural heritage in environmental assessment: current practice and future developments in NW Europe
Paul Slinn

A critical appraisal of EIA screening practice in EU member states
Paulo Pinho, Sara Santos Cruz, Rita Correia, Sabine Mayer

CS 17.4 The future development of EA and practice

Chair: Jan De Mulder

Thursday 25 May • 11:00 –12:30 • Classoom 2

Environmental assessment in Canada: the next generation
Scott Streiner, Peter Sylvester

Modernizing EIA implementation in the United States – a status report
Anne Norton Miller, Horst Greczmiel

The relationship between the EU EIA and SEA Directives
William Sheate, Helen Byron, Suzan Bennet, Lourdes Cooper

The Water Framework Directive, assessment, participation, and protected areas: what are the relationships?
Suzan Bennett, William Sheate

CS 17.5 Transboundary impact assessmen

Chair: Nick Bonvoisin

Thursday 25 May • 14:30 –16:00 • Classroom 2

Aligning Russian and Norwegian EIA processes – a prerequisite for joint environmental evaluation of Barents Sea offshore petroleum operations?
Heike Pflästerer, Lars-Henrik Larsen, Gennady A Yarygin

The EIA as part of international trade agreements – example: North American Free Trade Agreement (NAFTA)
Aranka Podhora, Johann Köppel

Phase 1B of the Lesotho Highlands Water Project: a transboundary impact assessment case study
Nico E Willemse

18

The Marrakech Action Plan

The Marrakech Action Plan has become a widely-known concept among IA practitioners in developing countries. It stems from an agreement made during the IAIA conference in Marrakech to strengthen capacity building in IA globally. An agreement involving the Government of Morocco, IAIA and the World Bank has led to the development of a draft Marrakech Action Plan for capacity building in developing countries which is still evolving.

The commitment to capacity development for impact assessments as formulated in the Marrakech Action Plan was reaffirmed at the IAIA SEA conference in Prague in September 2005. The Action Plan provides a coherent and coordinated approach to capacity building, but the lack of adequate financial means has hampered its implementation These sessions will explore ways of strengthening its implementation and effectiveness

Section coordinator: Peter Leonard, Jean-Roger Mercier, Jaafar Boulejiouch

Concurrent sessions on the Marrakech Action Plan

CS 18.1 The Marrakech Action Plan and follow-up 1

Chair: Jean-Roger Mercier

Tuesday 23 May • 15:00 – 17:00 • Hansons Minde

Building awareness of IA capacity building among decision makers
Jean-Roger Mercier, Peter Leonard, Vasna Ramasar

Identifying and adopting effective approaches for capacity building
Hussein Abaza

CS 18.2 The Marrakech Action Plan and follow-up 2

Chair: Elvis Au

Wednesday 24 May • 16:30 – 18:00 • Hansons Minde

Review of the status of the Marrakech Declaration and Action Plan
Peter Leonard

Criteria for assessing good practices in IA capacity building
Jean-Roger Mercier, Peter Leonard, Vasna Ramasar

CS 18.3 The Marrakech Action Plan and follow-up 3

Chair: Weston Fisher

Thursday 25 May • 14:30 – 16:00 • Hansons Minde

Experiences from international collaboration on capacity building through the first-ever distance learning course on SEA for China
Elvis Au, Maria Partidario

The CBBIA Program
Jo Treweek

Capacity building in EIA for Mexican NGOs
Edmundo Ducoing, Josefina Cendejas, Patricia Ramírez-Romero, Enrique Mendieta

19

SEA/EIA development and cases in Asia

Being the region with the largest share of world's population, Asia plays a pivotal role in the next phase of application of strategic environmental assessment (SEA) and any new innovations in EIA. Only a few countries or places in Asia have applied SEA, and resistance, reservations and obstacles remain in some parts of Asia to the adoption of SEA at the national level. Notwithstanding this, there has been greater attention to public participation. There has also been increasing attention to the linkage between SEA and sustainable development. Building capacity, gaining actual experiences and enforcing the requirements remain to be major issues.

These sessions will share experiences, good practices, case studies and lessons learned in Asian countries. It will be an opportunity to discuss any practical solutions or strategies to overcome obstacles, promote innovation in practices, and build and sustain better institutions for applying EIA or SEA for sustainability purposes.

Section coordinators: Elvis Au, Kii Hayashi, Young-il Song

Concurrent sessions on SEA/EIA development and cases in Asia

CS 19.1 SEA development in Asia

Chair: Elvis Au

Thursday 25 May • 11:00 – 12:30 • Classroom 1

SEA, environmental information, and national development planning: policy linkages in the Kingdom of Bhutan
David Annandale, Karma Rapten

The trend of SEA movement in Japanese local governments
Sachihiko Harashina, Takuya Sugimoto, Takashi Shimizutani

Comparative study of SEA-like approaches in Japan
Kii Hayashi

Using environmental assessment to overcome financial barriers to renewable energy options
Gene Owens, Jerry (Jinyue) Yan

CS 19.2 EIA development in Asia

Chair: Kii Hayashi

Thursday 25 May • 14:30 – 16:00 • Classroom 1

Environmental economic impact assessment in China: problems and prospects
Henrik Lindhjem, Guojun Song, Jian Wu, Shiqui Zhang, Haakon Vennemo, Zhong Ma, John Magne, Hu Tao

Regional environmental assessment for sanitation and sewerage
Maya Villaluz

Streamlining the Environmental Impact Assessment (EIA) process in Indonesia
Dadang Purnama

Is EIA follow-up casting a shadow on open cast coal mining in India?
Urmila Jha Thakur, Thomas Fischer, Asha Rajvanshi

Analyzing impacts of bioenergy expansion in China using strategic environmental assessment
Gene M Owens

20

Local/regional government policy and IA (urban governance)

Urban areas have long been the centres of wealth and political power, and usually also account for a disproportionate share in the national income. The system of values, policies and institutions by which a society manages its economic, political, and social affairs through interactions within and among the key stakeholders: state, civil society and private sector are crucial elements in guiding sustainable urban development. The three sessions relating to urban development and impact assessment seek to address, how impact assessment can inform (the key stakeholders) and thus contribute to improved decision making towards sustainable urban development. Papers from developing and developed countries will provide a sound basis to share experiences.

Section coordinators: Markus Eggenberger, Viv Heslop

Technical Program

Concurrent sessions on local/ regional government policy and IA (urban governance)

CS 20.1 Urban development: How IA contributes to (local) capacity building and decision making (I)

Chair: Markus Eggenberger

Tuesday 23 May • 15:00 – 17:00 • Classroom 1

Mixed use outline planning applications – what constitutes good practice in the UK?
Andy Bailey

"Auroville – The City the Earth Needs": a successful case of an innovative and integrated sustainable development
Lalit Kishor Bhati

Ecophysiographic study for more environmental spatial planning
Jaroslaw Kowalczyk

Evaluation of the salubrity of briqueterie in Yaounde-Cameroon
Christiane Félicité Mafodonzang Fouedjo, Adolphe Monkiedje

CS 20. 2 Urban development: How IA contributes to (local) capacity building and decision making (II)

Chair: Markus Eggenberger

Wednesday 24 May • 14:30 – 16:00 • Ullandhaug

DPWH policy response to the challenges of environmental sustainability through a three-phase strategy on environmental governance
Criste Navida

Indicator-based sustainability assessment of housing and settlement structures within the metropolitan area of Ho Chi Minh City
Harry Storch

Strategic transport management as a regional development competence
Sara Lise Jeppesen, Steen Leleur

The importance of impact assessment as a tool to improve development planning in developing countries
Pablo Mazariegos

Multiple criteria decision making analytic hierarchy process for environmental assessment of urban underground infrastructure
Nikolai Bobylev

Other events on local/regional government policy and IA (urban governance)

Technical visit

TV A/B: Stavanger: Urban transformation

21

Capacity building and networking in developing countries

The African Ministerial Conference on the Environment (AMCEN) at the IAIA conference in Durban in 1995 recommended that IAIA and other international institutions should give priority to capacity building and strengthening in environmental impact assessment in developing countries. This was a realization that capacity building in EIA and SEA methodology were required if IAs were to get a wider use than just having a few EIAs done by international consultants to satisfy immediate donor needs. Capacity building in EIA has therefore been on the agenda in Africa and other regions for the last 10-15 years A number of local institutes and networks with the objective of strengthening EIA capacity in their own regions have been established, like CLEAA in Africa, SAIEA in SADC and many sub-regional networks of professionals. These sessions will discuss the latest progress and developments in IA capacity building in developing countries, as well as other relevant capacity building issues of common interest.

Section coordinator: Abdulrahman Issa

CS 21.1 Capacity building and networking in developing countries (I)

Chair: Jonathan Allotey

Wednesday 24 May • 14:30 – 16:00 • Hansons Minde

Building on success factors: a capacity development model for environmental management in Viet Nam
Kim Pawley, Mary Ellen Maccallum, John Patterson, Lorne Grieg

CBBIA: the Asian way
Ahmad Saeed

Strengthening environmental assessment professional capacity in Africa
Maureen Babu

CS 21.2 Capacity building and networking in developing countries (II)

Chair: Maureen Babu

Thursday 25 May • 11:00 – 12:30 • Classroom 4

Capacity building for impact assessment in Mongolia
Orlando Venn, Jo Treweek, Sarah King

EIA as a tool for capacity building in Tanzania
Jørn Thomassen, Bjørn Petter Kaltenborn, Julius Keyyu, Asanterabi Lowassa, Richard Lyamuya, Sigbjørn Stokke, Hanne Haaland

Developing air quality impact assessment capacity in Africa through institutional building
Bjarne Sivertsen, Alena Bartonova

CS 21.3 Challenges of IA in developing countries

Roundtable
Chair: Weston Fisher

Wednesday 24 May • 16:30 – 18:00 • Classroom 1

Challenges of environmental impact assessments in developing countries
Waiswa Ayazika

22

Integrated assessment of trade-related policies

Trade and the liberalization of markets are often considered as a solution to ending poverty. A major topic presently being discussed at global level is freeing up agricultural markets for poorer countries - a key objective of the Millennium Development Plan. It is important that developing countries assess the potential benefits and costs of liberalizing trade before scheduling commitments, as they have very diverse interest and concerns. This concurrent session includes papers that address the conference theme in the context of selected topics The debate will hopefully consider questions like: how can trade impact assessment assist in achieving the Millennium Development Goals of poverty reduction and environmental sustainability? Can trade impact assessment be an important instrument to achieving sustainable development? Is the process inclusive, open and transparent? What are the technical difficulties and how can they be overcome?

Section coordinators: Bernice Goldsmith, Clive George

Concurrent session on integrated assessment of trade-related policies

CS 22.1 Integrated assessment of trade-related policies

Chair: Bernice Goldsmith

Tuesday 23 May • 15:00 – 17:00 • Terningen

How useful are computable general equilibrium models for the sustainability impact assessment of trade-related policies?
Serban Scrieciu

NAFTA *ex-post* assessment of trade liberalization and policy integration: reviewing the evidence
William Kennedy

Assessing the impact of trade impact assessments
Colin Kirkpatrick, Clive George

EA of trade: recent activities and the challenge of follow-up
Jaye Shuttleworth, Rachel McCormick

Biodiversity and trade in the agriculture sector: challenges of integrated assessment
Jo Treweek, Phillip Bubb, Claire Brown, Orlando Venn

23

EIA methodology and practice

A number of papers presented at this year's IAIA conference were allocated to the "EIA methodology and practice" topical stream of sessions. These papers cover a wide range of important IA methodological issues, but do not always fit well with the established sessions or streams for this year's IAIA conference. The "EIA methodology and practice" papers are clustered into groups and sessions which share some common topics or similarities. These papers are especially important because they often explore new methods and innovative approaches. They also often deal with important practical experiences gained by the impact assessor working in the field, sometimes with new angles to current issues, and have often proven to be of much importance to IA practitioners.

This year, the "EIA methodology and practice" papers include a number of important presentations discussing sustainable development, integrated assessments in local plans, IA interaction and methodology, and IA practice and methods used.

Also of great interest this year are the special sessions discussing the new EU guidelines, and the OECD/DAC guidelines.

Concurrent sessions on EIA methodology and practice

CS 23.1 Sustainable development and methodology

Chair: Martin Hanssen

Tuesday 23 May • 15:00 – 17:00 • Classroom 4

EIA – from description of destruction to an instrument for sustainable development
Aud Tennøy

Experiences on sustainability assessment in The Netherlands
Rob Verheem, Geert Draaijers

The inclusion of sustainability in environmental impact assessment: an essential aspect or a promotional tool?
Claire Pettit

Sustainability assessment – a case study involving the process and response to resource needs
Larry Canter, Tom Swor, Eric Hollins, Lorna Harrell

CS 23.2 Integrated assessments in local plans and programs

Chair: Aud Tennøy

Wednesday 24 May • 16:30 – 18:00 • Ullandshaug

Agenda 21 as an integral component of the strategic environmental assessment of municipal programs
Arturo Pelaez Figueroa, Guillermo Vargas Uribe

Integration of the environmental and planning aspects in the National Lakes Area, Garden Route, South Africa
Danie Smit

Sustainability strategies at municipal level – creating contexts for integration
Maria Partidario, Bernardo Augusto

Integrated assessment and planning: experience in Russian Federation
Marina Khotuleva, Elena Pivtsakina, Alexander Dmitriev, Ausra Jurkevichute, Dmitry Volostnov, Elena Akerman, Irina Matirova, Tomsk Rajon, Irina Titarenko, Alexander Zhurba, Oksana Kozlovskaya, Boris Mozgolin, Aleksander Adam

CS 23. 3 Interaction and methodology

Chair: Martin Hanssen

Wednesday 24 May • 14:30 – 16:00 • Kvitsøy

Very early contracting in EIA: Dutch experiences with parallel procedures for procurement and EIA
Jos Arts, Roel Nijsten

Guidelines for classification and assessment of significance in EIA and SEA in Iceland
Jakob Gunnarsson

Towards more effective EIA systems
Arend J Kolhoff, Reinoud Post

The Alta River case, a turning point of EIAs in Norway
Arve Tvede

CS 23.4 EIA methodology, practice and response (I)

Chair: Aud Tennøy

Thursday 25 May • 09:00 – 10:30 • Ullandhaug

Environmental assessment and performance measurement
Liviu Vancea, Cecilia Lei

Perceptions of stakeholders of the objectives and purpose of the EIA and their roles in the process
Kaja Peterson

The role of local cooperators in EIS practice: the US experience
Robert Paterson, Rachael Rawlins

Keeping a promise: EIA and follow-up for a major urban development in England
Adam Boyden

CS 23.5 EIA Methodology, Practice and response (II)

Chair: John Boyle

Thursday 25 May • 11:00 – 12:30 • Ullandhaug

Scoping in EIA–still guiding assessment?
Carys Jones

Entirety or puzzle: topics and mixed disciplines in EIA
Lars Erikstad, Inge Lindblom

Analysis of alternatives–strategic environmental assessment or just good EIA practice?
Julio Jesus, Maria Rosario Partidário

EIA follow-up in Georgia: a case study of Khadori Hydro Power Station
Maia Gachechiladze

CS 23.6 EIA in the EU: 20 years on - - the achievements of EIA

Co-chairs: Laura Tabellini and David Aspinwall

Wednesday 24 May • 14:30 – 16:00 • Dyna

Café Europa
Legal and policy influences on EIA in Europe: Taking stock of the effectiveness of the EU Directive, its strengths and weaknesses, and the practical benefits it can bring
Discussion

CS 23.7 EIA in the EU: 20 years on - the future of EIA in Europe

Co-chairs: Laura Tabellini and David Aspinwall

Wednesday 24 May • 16:30 – 18:00 • Dyna

Café Europa continued
Are there specific changes that should be made to overcome the weaknesses of the Directive?
What will EIA look like in 10 years' time?
Discussions and conclusions

CS 23.8 Launch of OECD/DAC Guidance

Co-chairs: Barry Dalal-Clayton, John Hobbs

Wednesday 24 May • 16:30 – 19:00 • Grip

The OECD DAC Guidelines: Good Practice Guidance for applying SEA in development cooperation.
Brief introductory overview of the Guidelines and plans for further implementation in developing countries and within donor agencies
Presentation of the GTZ Training Manual
Informal discussions.

24

Other important IA sessions

A number of papers submitted to every IAIA conference cover a wide range of important IA issues, but do not fit very well within the established sessions or streams for a given IAIA conference. These papers are clustered into groups and sessions which share some common topics or similarities. These papers are especially important because they often explore new and innovative ideas as well as provide new angles to current issues, and have often proven to be of importance to IA practitioners as well as a more global audience.

This year, the papers include a number of important presentations discussing the resource base, cumulative impacts, ethics and quality - a critical issue which has been highlighted at recent IAIA meetings and which has many important implications, IA training, cultural issues, industrial impact assessments, and the IA efforts of financial institutions.

Also of great interest this year are the special sessions discussing the sensitive GMO impacts issues and industrial benefits planning.

Concurrent sessions on other important IA topics

CS 24.1 The resource base and impact assessment

Chair: Hans Olav Ibrekk

Tuesday 23 May • 15:00 – 17:00 • Hall C Marstein

A soil inventory concept: bridging human society and ecosystem
Toshiaki Ohkura, Ryunosuke Hamada

Environmental index to evaluate Saemangeum Reclamation Project (II)
Sang Hoon Lee, Jakon Koo, Jaehong Ryu

EMP implementation issues, mainly in water supply and sanitation (Yemen as Case Study)
Abdulkadiralariqi Al-Ariki

Environmental impact assessment of nuclear waste: an unsustainable route
Virginio Bettini, Chiara Rosnati, Marco Stevanin

Application of total mass daily load strategy in EIA
Ya-Wen Lu

CS 24.2 Cumulative impacts assessment

Chair: Charlotte Bingham

Thursday 25 May • 09:00 – 10:30 • Hansons Minde

The cumulative effects studies at Hydro-Québec: what have we learned?
Michel Bérubé

Cumulative effects assessment: are we on the right track?
Oritsetimeyin Dada, Napoleon Umesi

Cumulative effects: is that an issue in Swedish EIA/SEA?
Antoienette Oscarsson, Hans-Georg Wallentinus

Planning and cumulative effects: assessing an Automobile Shredder Residues (ASR) landfill site in a fragile area
Virginio Bettini, Chiara Rosnati, Marco Stevanin, Chiara Porcu

CS 24.3 Ethics and quality

Chair: Richard Fuggle

Thursday 25 May • 14:30 – 16:00 • Ullandhaug

Reframing EIA practice in support of sustainable development: when science doesn't have all the answers
Vasna Ramasar

Quality in EIA: the Swedish case
Veronica Johansson, Anders Hedlund

Practitioners, professions, and perceptions of impact assessment adequacy
Richard Morgan, Andrew Hart, Claire Freeman, Brian Coutts

Informal practices and corruption in public procurement
Åse Berit Grødeland

CS 24.4 IA – training and research

Chair: Aud Tennøy

Thursday 25 May • 11:00 – 12:30 • Hansons Minde

Lessons learning in environmental assessment training – a case of environmental audit training
Serah Kiragu

Norwegian EIA research
Martin Hanssen

An integrated approach to impact assessment teaching and training: practice or critique?
Kevin Hanna

Experiences from capacity building on EIA and hydropower development in Nepal
Reidar Hindrum

CS 24.5 Cultural resources and social issues

Chair: Ian Campbell

Thursday 25 May • 09:00 – 10:30 • Tungenes B

The case for making environmental impact assessment social impact assessment
Hobson Bryan

The Nordic connection
Charlie Wolf

Nature in cultural practices
Britt Kramvig

CS 24.6 The industrial sector and IA

Chair: Wiek Schrage or Monica Hale

Thursday 25 May • 09:00 – 10:30 • Classroom 4

Air quality assessment on industrial complex development in Korea
Young Soo Lee, Young Ha Kim, Jin Howe Ahn, Kyoung Jong Park

Proactive SH&E management in the front end loading phases of a project – a chemical industry perspective
Annerine Wenhold

EIA development in the Lao PDR
Bill Ross

Assessing social and economic impacts associated with changes in the coal mining industry in the Bowen Basin, Queensland, Australia
Galina Ivanova, John Rolfe, Stewart Lockie

CS 24.7 Financial institutions and IA. Nordic Investment Bank: A Global and Nordic-Baltic Multilateral Financial Institution

Chair: Frederick Brusberg

Wednesday 24 May • 14:30 – 16:00 • Grip

Nordic Investment Bank: 30 years of financing energy projects. From oil crises to oil crises - our competitive advantage then and now
Johnny Åkerholm

The Baltic Sea area: investing in the environment - a burden or a boost?
Harro Pitkänen

Assessing impacts and promoting environmental investments: our policies and procedures
Johan Ljungberg

CS 24.8 Industrial benefits planning

Roundtable
Chair: Mark Shrimpton

Thursday 25 May • 09:00-10:30 • Tungenes A

Building a sustainable economy from upstream petroleum activity: lessons from Atlantic Canada
Mark Shrimpton

CS 24.9 GMO and impacts

Roundtable
Chair: Nicholas Linacre

Thursday 25 May • 14:30 – 16:00 • Stokka

Can Genetically Modified Organisms (GMOs) be safely used to alleviate poverty?
Nicholas Linacre

Genetically modified organisms: when the politics of perception overshadow environmental impacts
Jean Tremblay

CS 24.10 Environmental careers seminar

Chair: John Esson

Thursday 25 May • 14:30 – 16:00 • Tungenes

Environmental careers seminar
John Esson

What makes a good SEA consultant?
Jo Curran, Emma James

CS 24.11 IA for small-scale development

Roundtable
Chair: Weston Fisher

Thursday 25 May • 11:00 - 12:30 • Stokka

Impact assessment for small-scale development Activities
Weston Fisher

Posters

Promotion of EA education focusing on non-EU countries
Ralf Aschemann, Ingrid Belcakova, Maria Rosario do Partidario, Thomas B Fischer

Domestic energy use in Kanpur, Uttar Pradesh: impacts of particulate matter on women and children
Alena Bartonova, Mukesh Sharma, S.K. Katiyar

A tool to identify the contribution of pollution sources and personal behaviour to inhaled dose
Alena Bartonova, David Broday, Inga Fløisand, Werner Holländer, Harold McInnes, Susanne Lützenkirchen

Draft Capacity-Development Manual to Support Implementation of the UNECE Protocol on SEA
Nick Bonvoisin

The benefits of social impact assessment for environmental assessment process
Rabel Burdge

How do we seize the opportunities for health improvement and protection in Strategic Environmental Assessment?
Ben Cave, Alan Bond

Characteristics, issues and reforming plans of the Korean Environmental Impact Assessment System
Joon Gyu Choi, Tae Ho Ro

Developing standard mitigation through small-project monitoring and follow-up in the Canadian Coast Guard
Dave Elliott

EIA in Egypt: progress, problems, and the role of international development agencies
Hisham El-Zayat

Visual problem appraisal Kerala's coast
Bert Enserink, Loes Witteveen

Capacity building in biodiversity and impact assessment in Latin America
Juan Carlos Garcia de Brigard, Juan David Quintero

Developments on SEA in Turkey. A case study: Oymapinar tourism development plan
Sule Gunes

EIA in Iceland 1994-2005. The impact of the introduction of the scoping process
Oli Halldorsson, Holmfridur Sigurdardottir

Facilitating practitioner networks: Do weblogs have a role in HIA collaborative learning?
Ben Harris-Roxas, Patrick Harris, Lynn Kemp, Harris Elizabeth

Geothermal environmental impact assessment studies in Hebei Province, China
Li Hongying

Towards integrated impact assessment: human impact assessment in Finland
Tapani Kauppinen, Kirsi Nelimarkka, Kerttu Perttilä

Impact assessment of community-based wildlife management on welfare of rural communities and conservation of wildlife: experiences from Botswana
Charity Kagiso Kerapeletswe, Elisabeth Pienaar

EIA in Korea: obstacles and its future
Jandi Kim, Joon-Gyu Choi, Yong-Joon Joo

Sida EIA Helpdesk at the Swedish EIA Centre
Cecilia Kjellander, Eva Stephansson, Anna Axelsson

Quality of strategic environmental assessment reports in the London Boroughs
Jure Leben, Colin Treleven

Spatial planning and cultural heritage
Inge Lindblom, Matilde Anker

EIA and SEA capacity building in developing countries
Helena Lindemark

EIA and SEA in Southern Africa
c/o Helena Lindemark

EIA and SEA in Southeastern Europe
c/o Helena Lindemark

EIA and SEA in Latin America
c/o Helena Lindemark

Corporate Social Responsibility: a simplified study of the social management in Brazilian companies
Germana Lucena de Araujo, Dermeval Nestor de Oliveira Junior, Eduardo Peris Mora

Development of forest resource management and National Forest Protection Program (NFPP) and its influences
Chuo Ma

How an electric distribution company in Brazil is providing electricity to 400.000 poor customers with the minimum environmental impact
Sandra Neusa Marchesini Ferreira

Public participation in the management of hydric resources in Brazil
Sandra Neusa Marchesini Ferreira

Impact Assessment in offshore windfarm projects
Georg Nehls

EIA/SEA training programmes
Anna Olsson

EIA and SEA in Asia
c/o Anna Olsson

EIA and SEA in Africa
c/o Anna Olsson

Environmental impact assessment of aircraft noise around airports in Korea
Youngmin Park, Hyosung Sun, Seoil Chang

Research on sustainability of Tehran's transportation network against earthquake
Mohammadreza Parvizi

NWMO's study of approaches for the long-term management of used nuclear fuel in Canada
Pat Patton, Jo-Ann Facella

Recasting the "Environment" in SEA to explicitly encompass natural hazards
Paula Posas

Cooperation between municipalities for sustainable development
Olga Ramalason

Sustainable (f)actors in transport planning
Emilija Savanovic, Petra Boonman

Checklists for EIA and SEA independent quality reviews
Dusan Sevic

Impact of waste-oils on the environment in Macedonia
Magdalena Trajkovska-Trpevska

Capacity building for biodiversity-inclusive impact assessment
Jo Treweek

Biodiversity management in the Niger Delta area of Nigeria
Collins Norberth Chinedu Ugochukwu

Capacity building for impact assessment in Mongolia
Orlando Venn, Jo Treweek, Sarah King

Adequacy of proposed ecological mitigating measures and EIA guidelines for coastal resort development in Malaysia
Leong Wan Vun, Abdul Latiff, Mohd Nordin Hassan

Application of IA tools in the management of environmental and social issues in Olkaria Geothermal Field, Kenya
Joshua Were

The optimum role of environmental assessments in long-term radioactive waste management in the United Kingdom
Cassandra Wesolowski

Utilisation of a power line corridor for conservation of biodiversity within an urban area: the Plattekloof Natural Heritage Site
Douw Willemse

The PERS of developing multifunctional administrative city in Korea
Heon-Seok Yoo, Ji-Young Kim

Exhibitors/Map: Stavanger

Exhibitors

Exhibits, posters, information tables and more are located in the Forum Plaza and Vestibule.

Booths

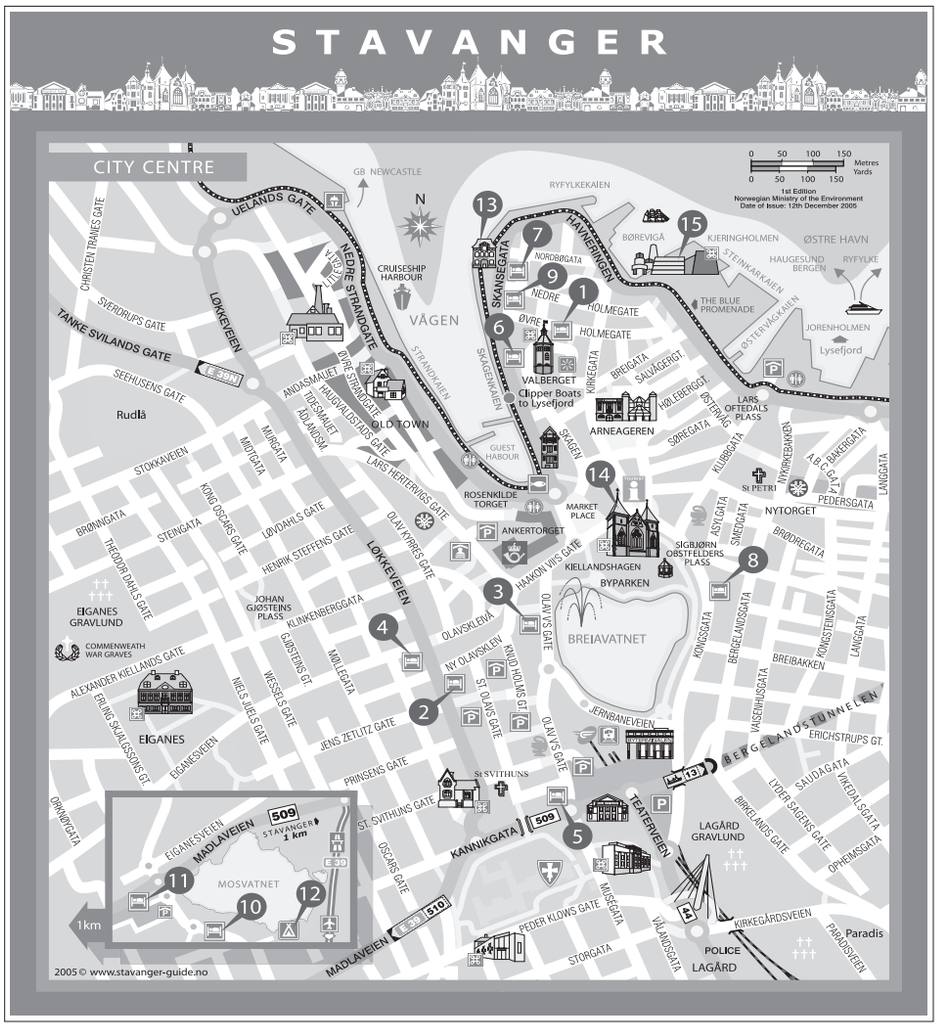
- **Ministry of Environment**
- **Statoil**
- **Nordic Investment Bank**
- **IAIA07 Korea**
- **Norwegian Institute for Urban and Regional Research (NIBR)**

Tables

- **Edward Elgar Publishing**
- **Rabel Burdge**
- **Guidecompagniet (travel agency)**

Map: City of Stavanger

1. Best Western Havly Hotel
2. Clarion Hotel Stavanger
3. Radisson SAS Atlantic
4. Radisson SAS Royal
5. Rica Park
6. Skagen Brygge Hotel
7. Skansen Hotel
8. Thon Hotel Maritim
9. Victoria Hotel
10. First Hotel Alstor
11. Rica Forum Hotel
11. Stavanger Forum
12. Stavanger camping Mosvangen**
Park Inn
Smart Hotel
13. Hall Toll Restaurant (site of banquet)
14. Stavanger Cathedral
15. Norwegian Petroleum Museum



Technical Visits

ABOUT TECHNICAL VISITS

Participants must be pre-registered and pre-paid to participate. No refunds will be issued for cancellations after 31 March.

Technical visits will depart from the Stavanger Forum unless otherwise stated. Check in at the IAIA registration desk a minimum of 15 minutes prior to the start time of the technical visit.

- Family members of registered delegates are welcome to register for technical visits.
- Casual clothing and walking shoes are recommended.

A/B Stavanger: Urban transformation

A walk in the historic centre of Stavanger

Stavanger is the regional capital of the county of Rogaland, and although small in geographic extent, it is the fourth largest and the most densely populated city in Norway. The town dates back to 1125, when building of the cathedral was started. This building is the most important historical icon of Stavanger, together with the old warehouses facing the sea and the listed living area Old Stavanger.

Today, Stavanger is a modern, international university city and one of Europe's key energy cities. Since the 1980s, the city has worked actively with environmental issues and with the conservation of its natural and cultural heritage. The city has high scores when it comes to quality of life and has received national awards for its work within culture, environmental conservation, sport and recreation. It has also been awarded the status of a European Capital of Culture 2008.

Despite the extensive growth of the city over the last forty years, and the establishment of several new commercial centres on the outskirts of the city, the old historic and protected centre, mostly built in wood, is still the main meeting place and the most important shopping area and cultural area in Stavanger.

As a result of more than twenty years of strategic planning, the road traffic in the centre has been reduced, followed by the ongoing reconstruction of the main marketplace, and the Blue Promenade, a lighted promenade along the harbour area. In each end of this promenade are large transformation areas, with more than 2,000 apartments being built within the last five years.

Architects from the planning office of the Municipality of Stavanger will guide the groups.

The walk starts in Lendeparken, just outside the entrance to Old Stavanger, and ends with a visit at the Oil Museum at Kjeringholmen.

Organized by the Municipality of Stavanger.

A Sunday, 21 May
B Wednesday, 24 May
18:00 - 20:00
10 - 80 people, $20

C Kårstø: Landfall and export terminal for North Sea gas

The impacts of establishing Europe's largest landfall and export terminal for gas are at the centre of this visit. The Kårstø Gas Terminal was a controversial development when built in the late `70s, and many social and environmental concerns were raised. Today the terminal is vital in the European gas supply and important for local industry and energy production, and the terminal is still being developed.

The visit is by bus and ferry. The group will return over the picturesque Karmøy Island and experience two long sub-sea tunnels (4 and 6 km long) before arriving in Stavanger in the afternoon.

Organized by Statoil.

Friday 26 May, 13:00pm - 20:00
30 - 80 people, $40 (includes late lunch)

D Ryfylke fjord: Coastal zone management and fish farming

From Stavanger harbour, this visit will go by boat to Boknafjorden where there has been a rapid development of fish farming, mostly of salmon. The coast and island in this area are also subject to other development, such as the building of summer houses and other recreational and boating facilities, harbour developments, etc.

The municipality's and county's plans for coastal zone management will be presented and their efforts to put fish farming and other developments into an integrated coastal zone management plan will be demonstrated.

Organized by Ambio.

Friday 26 May, 13:00pm - 18:00
45-80 people, $60 (includes lunch)

E Lyse: Hydroelectric power development projects

More than 95% of Norway's electric energy comes from hydroelectric power. This technical visit will give a good insight into old and new hydroelectric power stations, dams and reservoirs, including some of Norway's largest. The visit will pass through some of the most spectacular sites (e.g., Kjerag and the Pulpit Rock) along the Lyse fjord, on its way to Lysebotn. From there a bus will take the group to the mountains to visit dams and reservoirs before returning to Stavanger.

The environmental effects and assessments related to major power plants will be the focus of the visit.

Organized by Lyse Energi.

Saturday, 27 May, 9:00am - 16:00
30 - 80 people, $40 (includes lunch and boat trip)

F North Jæren: Land use and transport planning

Focus will be on the integrated approach to land use and transport planning that has been at the core of the North Jæren land use and transport plan. The plan focuses on public transport, road traffic, land use and protection of valuable sites and landscapes, like the unique Jæren beaches.

The visit will demonstrate some of the crucial elements for making the development of the region sustainable and will include a visit to Sandnes, one of the "Healthy Cities" of Europe. The plans for wind farming in the region will also be highlighted.

Organized by Ambio.

Saturday, 27 May, 10:00 - 14:00
20-45 people, $40 (includes lunch)

POST-CONFERENCE TECHNICAL TOUR

Iceland: Geothermal power

A two-day post-conference technical tour to Iceland to study geothermal power developments is offered. Participants depart for Iceland the afternoon/evening of Friday 26 May.

On Saturday 27 May, participants will visit the Nesjavellir Geothermal Power Plant which provides hot water to a substantial part of the capital area's inhabitants as well as generating 120 Mw electricity. Afterwards, participants will visit the Hellisheiði geothermal area, where deep drilling is ongoing and a new power plant is being constructed.

On Sunday 28 May, a visit to the Svartsengi Geothermal Resource Park will take place. Here the participants have an option to visit the Blue Lagoon Geothermal Spa.

Departure from Iceland on the afternoon of Sunday, 28 May.

Registration for this technical tour is through Iceland Incentives, Inc.

For inquiries, contact Iceland Incentives, Inc.
Telephone +354 554 1400
Fax +354 554 1472

Sections

ABOUT IAIA SECTIONS

IAIA Sections provide opportunities for IAIA members with 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. Sections are in different stages of development: some currently have their own projects, newsletters, and listserv discussion groups. All Sections welcome new members.

See page 9 for meeting times and locations.

Agriculture, Forestry and Fisheries: New in 2005, this Section focuses on finding ways and means of increasing and improving the application of EIA to these sectors based on study, research, and input from practitioners. Section coordinator and listserv facilitator: Patrick Duffy.

Biodiversity & Ecology: Ecological impact assessment, biodiversity in impact assessment, ecological compensation and mitigation, impact assessment for protected area establishment and management. Section coordinator: Helen Byron. Listserv facilitator: Andrea Athanas.

Disasters and Conflicts: Disseminate information on disaster issues and participate in the development of sustainable disaster management strategies. Section coordinators: Charles Kelly and Michel Bouchard.

Environmental Impact Assessment Law, Policies and Practice: Environmental legislation and its vital role in EA policy and practice. A goal of this Section is to develop links with key legal organisations so that IAIA can play a part in the development of environmental legislation which will promote equitable and sustainable development throughout the world. Section coordinators and listserv facilitators: Susan Waters and Jan de Mulder.

Environmental Management Systems: Environmental auditing and management. Incorporating auditing and impact assessment into environmental management systems and the development and operation of corporate environmental strategies. Section coordinator: Debra Zanewich. Listserv facilitator: Angela Pinilla Urzola.

Health Impact Assessment: HIA throughout the world, integration of human health concerns into impact assessment, and human health risk assessment. Section coordinator and listserv facilitator: Lea den Broeder.

Indigenous Peoples: Indigenous issues in IA, developing guidelines for the recognition and full inclusion of indigenous concerns in all aspects of impact assessment, traditional knowledge, and impact assessment capacity building for indigenous people. Section coordinators: Bob Tai and Amy Emerhi.

Integrated Assessment of Trade-Related Policies: Promotes publication in IAPA of scholarly and general information on policy development, case studies, methodologies and codes of good practice that enables practitioners in the developed and developing countries to conduct IAs. Section coordinators: Bernice Goldsmith and Clive George.

Local and Regional Government Policy and Impact Assessment (also known as Urban Governance): Addresses the wide range of social, environmental, economic and institutional impacts of urbanisation; invites all stakeholders–representatives from local authorities, private business, civil society and research–to contribute to discussion on urban issues. This Section specifically reaches out to local authorities and invites them to contribute their experience and questions. Section coordinator: Markus Eggenberger.

Public Participation: Explore principles and techniques of effective public participation as part of EA. Section coordinator: Pierre Andre.

SEA: All aspects of strategic environmental assessment, development of legislation, and SEA as a tool for cumulative effects assessment, etc. Section coordinator and listserv facilitator: Thomas Fischer.

SIA: The development of professional good practice in all aspects of SIA, drawing on the experience of SIA practitioners in the private, public and academic sectors around the world. Section coordinator: James Baines. Listserv facilitator: Frank Vanclay and others.

Students and Early Professionals (SEP) is not a formalized Section, but provides a forum for SEPs to exchange ideas and experiences. It is also intended to provide an opportunity to pursue improved SEP involvement in IAIA throughout the year and at IAIA annual meetings. Listserv facilitator: Tracey Nitz.

IAIA Business

Council Meeting

Friday 26 May • 13:00-14:00 • Utsira

The IAIA Council serves as an advisory resource to the IAIA Board of Directors, meeting directly after the closing plenary. The Council is composed of the Board, all Committee chairs, representatives of affiliates and branches, the CEO and Headquarters representatives, and the Conference Program Chair(s) for the current-year conference and any future known conferences. However, Council meetings are open meetings; all IAIA members are encouraged to attend.

Committee and Section Meetings

Much of the cutting-edge work of IAIA is the direct result of Committee and Section activity. The only chance for Committees and Sections to meet throughout the year is at the annual conference. Everyone is welcome to attend a Section meeting. See page 36 for a description of the Sections. If you are interested in serving on an IAIA Committee, please indicate your interest on the member information directory form mailed to you when you pay your membership dues, or contact info@iaia.org.

See pages 8-9 for meeting times and locations.

ABOUT IAIA

The International Association for Impact Assessment was organized in 1980 to bring together researchers, practitioners, and users of various types of impact assessment from all over the world.

IAIA members number over 2,500 and reside in over 100 countries. IAIA activities are carried out locally and regionally through its extensive network of Affiliates and Branches.

IAIA's Vision: IAIA is the leading global authority on best practice in the use of impact assessment for informed decision making regarding policies, programs, plans, and projects.

IAIA's Mission: IAIA provides an international forum for advancing innovation and communication of best practice in all forms of impact assessment to further the development of local, regional, and global capacity in impact assessment.

IAIA's Values: IAIA promotes the application of integrated and participatory approaches to impact assessment, conducted to the highest professional standards.

IAIA believes the assessment of the environmental, social, economic, cultural, and health implications for proposals to be a critical contribution to sound decision-making processes, and to equitable and sustainable development.

Annual General Meeting (AGM)

Wednesday 24 May • 12:30-13:30 •Lindesnes A

This is the annual business meeting of the Association. All meeting participants are encouraged to attend, learn more about the operation of the organization, and ask questions. (Note: if you paid the non-member conference registration rate, it includes a one-year membership to IAIA.)

The prestigious IAIA Rose-Hulman Award is also presented at the 2006 AGM. Recipient Bob Connelly will give a brief address.

2006 AGM Agenda

1. Welcome, introductions, and confirmation of 2005 AGM minutes.
2. IAIA 2005/6: What have we done and where are we going?
3. Money matters.
4. IAIA Honors Excellence: The Rose-Hulman Award Ceremony
5. Any debate? Items submitted in writing by members.
6. Have your say: Informal discussion of matters that members wish to raise.
7. Closing remarks.

Notes

Tips and Information

How to get the most from this conference

- **Make a goal sheet.** Why did you decide to register for this program? What is it you expect to gain? Take a moment to think about your goals. Then clarify them by writing them down in your program. Look over your goal page throughout the conference; it will help you keep your goals focused.
- **Meet other people.** This is an excellent opportunity to expand your network of contacts. Sit next to someone you don't know, even if you've come with a group. Mingle during the breaks. Exchange business cards. Every participant here has a specific area of expertise; find out what it is instead of chatting about the weather. Let us suggest that one of your goals be to meet at least one person each day whom you intend to communicate with again on a business or social basis.
- **Participate!** Ask questions. Make contributions. Actively participate in the exercises. Consider the meeting room to be a "mental gym" where it's okay to run, fall, and get up again. You'll benefit much more by participating in the game than sitting on the sidelines.
- **Relate what you learn to yourself.** Don't settle for "abstract" knowledge. Have your current problems, conflicts and interests foremost in your mind. As you learn new approaches and techniques, relate them to your own situation.
- **Make a commitment to review your notes.** Right now, take out your calendar and make a one-hour appointment with yourself in a few weeks to "retake" the program. Don't put your good ideas away with your notes. And consider reviewing your notes each evening during the conference while your ideas and enthusiasm are fresh.
- **Write a "Dear Boss" letter.** If your boss or company sent you to the conference, thank them with a letter. Include a list of your action ideas based on your action plan and goals - what you intend to do or change as a result of what you have learned. If you paid your own way, still send the letter. It will show how committed you are to your own professional growth.
- **Orient, inform and prepare yourself.** Check in early and then take time to walk through the venue to familiarize yourself with locations of activities before the rush of the conference begins. Read through the program and highlight the sessions you want to attend. Read those abstracts and prepare questions for the speakers.
- **Enjoy yourself.** Start relaxed (rest and rehydrate to help recover from jet lag) and you'll leave refreshed, inspired and recharged. Forget about what's happening at the office - unless you have unusual telepathic powers, you can't do much about it anyway. This is your conference. Get all you can out of it.

Conference terminology

Annual Conference: An extended collection of IAIA and IAIA-related events within a week to two-week time frame, including special meetings, technical visits, short courses, and social events.

Annual Meeting: The core of the annual meeting; typically 3-4 days devoted to plenaries, concurrent sessions, and IAIA business.

Session: A block of time during which presentations are made on a single topic.

Concurrent sessions: Sessions running in parallel, during which approved papers are presented by authors and discussed by participants.

Stream: A number of sessions on the same topic.

Paper Presentation: The oral summary of a paper within a session.

Poster: Visual presentation of a paper or project by means of graphics, photos, data, and a small amount of text on a display area. Posters are self-explanatory, but poster authors are available to answer questions during the session dedicated to poster viewing.

Workshop: The topic is specific and active discussion seeks to resolve a defined problem. May be a combination of paper presentations and discussion.

Panel: Invited speakers present different views or experiences on a topic, typically followed by an informal discussion between the speakers and questions from the audience.

Roundtable: A group of individuals, usually invited, hold an informal discussion on a specific topic or problem.

Theme Forum: Smaller than plenaries and larger than concurrent sessions, Theme Forums bring together on a particular topic the various aspects of impact assessment and examine how those aspects apply to different sectors and issues. The contents (topics, speakers, panels, etc.) of the IAIA06 Theme Forums were developed by the Program Committee and host organizers.

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

Cafe Europa: a discussion method used to explore important questions and issues, connect diverse people and perspectives, encourage listening and sharing, and make collective knowledge physically visible to participants. This is achieved by providing an informal and relaxing "cafe-like" meeting space and creatively facilitating discussion.

Greening the IAIA Annual Conference

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

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

To the extent possible and practical, IAIA implements these (and other) policies and practicies. Delegates are welcome to make additional suggestions on the IAIA06 conference evaluation form (which will be distributed electronically to delegates following the conference) or by contacting IAIA HQ at any time.

General Information

Conference papers and proceedings

An abstracts volume is included in the delegate packets and is posted on the IAIA web site. A list of pre-registered participants is provided in the delegate packets.

IAIA will be publishing conference proceedings on CD-ROM following the conference. Preparation of a full paper is optional. If you choose to prepare a full paper, it will be included in the CD-ROM.

For publication on the conference CD-ROM, materials must be submitted electronically. File format: MS WORD or PDF. E-mail the file as an attachment to impact@iaia.org no later than 1 July 2006. Files received after 1 July will not be included in the proceedings. The following information must be included in the Subject line of the e-mail and should also be the name of the Word file: 1) Your paper or poster abstract number as previously provided to you by IAIA (in your preliminary notice of acceptance). This number is also available online or from your session chair; 2) Last name of presenting author, as originally submitted; 3) Full title of paper or poster.

EXAMPLE: The "Subject" line of your e-mail and the name of the attached Word or PDF file would be: #107 Chan EIA in China.

Note to presenters and attendees

Discussants and individuals presenting papers should arrive at their sessions 5-10 minutes early to allow time to meet the session chair, prepare presentations. etc. As a courtesy to others in the session, presenters and other attendees are requested to attend all papers in the session.

Presentation equipment

LCD (PowerPoint) projectors and laptop computers are provided in each concurrent session room. Presenters are responsible for making arrangements with the Forum to reserve and pay on their own for any other equipment needed for their presentations with the Forum.

Presenters load their own files on the laptops provided; this should take no more than 2 minutes. Preferably, PowerPoint files should be saved to CD-ROM or memory stick. If the file is saved to disk, allow some additional time to change the drive in the laptop from CD-ROM to disk. For security reasons, the session rooms and laptops are not available until the break just prior to the start of the sessions; presenters should plan to use the break just prior to the start of their sessions to load their presentations. Preparation of files on a Mac computer is not recommended; the venue does not have Apple capabilities. Testing of a Mac presentation on an IBM or HP should have been done prior to arriving at the conference, and Mac presenters must provide their own VGA connectors.

Business services equipment

Because of high rental costs which would necessarily be passed on to all delegates in the form of higher registration fees, IAIA does not provide copying, printing, computers or other business services on-site. Limited business services are available to delegates at the Forum for a fee.

Poster presenters

Poster panels are set up and assigned to each poster presenter in the Lobby/Plaza area. You may hang your poster any time between 12:00 - 17:00 on Monday 22 May. Posters will be on display until 13:00 on Friday 26 May, and may be taken down any time between 13:00 - 17:00 on Friday. Please note: IAIA, the conference organizers and the Forum are not responsible for poster materials on display, or posters/cases left after 17:00 on 26 May. You are responsible for providing the materials needed to hold the posters in place. Preparation of a full paper is optional. If you have a full paper related to your poster topic, see the information at left in "Conference Papers and Proceedings." The poster session is scheduled for Thursday 25 May at 12:30.

Booths/tables

Exhibits/tables are set up and assigned in the Lobby/Plaza area. Set up is from 12:00 - 17:00 Monday 22 May. Take down is 13:00-17:00 on Friday 26 May. Please note: IAIA, the conference organizers and the Forum are not responsible for materials on display, or materials left after 17:00 on 26 May.

Display table and book share

A table is provided in the exhibit area for IAIA members to display information, distribute conference papers, or announce/distribute non-commercial items (leaflets, brochures, books, etc.). The purpose of this table is to enhance the exchange of information. No commercial (sales) materials are permitted. Inappropriate materials are subject to removal. IAIA, the conference organizers, and the Forum are not responsible for items displayed or left after 17:00 on 26 May.

Be sure to visit the book share table as well. Donate a new or recycled book, or take a book if you find one that might not be readily available back home.

Registration and fees

All conference participants, including delegates, session chairs, invited speakers, organizers, exhibitors and paper and poster presenters, are required to register for the conference at the full or student registration fee.

Full and student registration fees entitle delegates to attendance at all sessions, coffee breaks, lunches on Tuesday, Wednesday, and Thursday; opening reception; conference dinner; participants list; delegate packet; abstracts volume; conference proceedings; and special events, unless an additional fee is noted.

Payment and refund policies

Fees are accepted by cash (US$, Euro, NOK), MasterCard, Visa, check, or international money order. Personal checks must be for US$ drawn on a US bank. Traveler's checks and international money orders must be in US$.

Registrations after 10 May will be accepted on-site only. Official receipts for on-site registration (after 10 May) will be issued by mail after the conference.

No registration will be processed without payment unless arrangements were made with IAIA HQ by 10 May.

IAIA refunds registration fees upon written request received before 31 March. A US$50 processing fee is retained. After 31 March, no refunds are issued for cancellations or no-shows. Substitutions for paid registrants may be made in writing without penalty. Refunds will be issued after the conference.

Name badges

All conference participants, including speakers and exhibitors, receive a name badge at check-in. The badge is your official pass and must be worn to ensure entry to conference activities.

"Quickpass to the Fastlane"

All conference participants whose registration and fees were received by 31 March 2006 were mailed a purple "Quickpass." Show this Quickpass at registration for express check-in!

Transportation

Shuttle bus service will be provided between the Forum and conference hotels Tuesday through Friday mornings and evenings. Timetables will be provided.

Tour desk

Guidecompagniet will have a desk in the Lobby/Plaza area for persons wishing to sign up for sightseeing tours or accompanying persons activities.

Tuesday
11:30-12:30

Wednesday and **Thursday**
08:30-09:15 and 12:30-14:30

Committees

About the host

IAIA06 is hosted by **Royal Ministry of the Environment (MoE) of Norway**, in cooperation with Royal Ministry of Foreign Affairs (MFA) and other national, Nordic and international organizations, i.e., Norwegian Institute for Urban and Regional Research (NIBR), Nordic Council of Ministers (NMR) and Nordic Centre for Spatial Development (Nordregio). Statoil - the state oil company - is the main sponsor of the conference.

The Ministry of the Environment was established in 1972 as one of the world's first. It has the primary responsibility for national environmental policy and the development and administration of environmental legislation. The Ministry is responsible for the regulation of all types of impact assessment procedures and requirements, but most of the practical work is done by developers, local authorities and agencies.

One of the goals of Norway's foreign policy is to make the principles of sustainable development, equitable sharing of global public goods and fair burden-sharing an integral part of Norway's international development cooperation.

IAIA06 program committee

Terje Lind *(program co-chair)*, Ministry of the Environment, Norway
Arne Dalfelt *(program co-chair)*, Norwegian Institute for Urban and Regional Research/ Ministry of the Environment, Norway
Peter Acquah, AMCEN/UNEP, Kenya
Elvis Au, Environmental Protection Department, Hong Kong
James Baines, Taylor Baines and Associates, New Zealand
Charlotte Bingham, Millennium Challenge Corporation, USA
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Nick Taylor, Taylor Baines & Associates, New Zealand
William Veerkamp, Shell Exploration & Production International Centre, The Netherlands

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Harald Noreik *(local committee chair)*, Ministry of the Environment, Norway
Terje Lind *(program co-chair)*, Ministry of the Environment, Norway
Cecilie Haare, Ministry of the Environment, Norway
Even Lind, Asplan, Stavanger
Trine Nohr, Ministry of the Environment, Norway
Eva Nordvik, Ministry of the Environment, Norway
Margret Köthke, Ministry of the Environment, Norway
Sigurd Juel Kinn, Statoil, Norway

IAIA Section coordinators

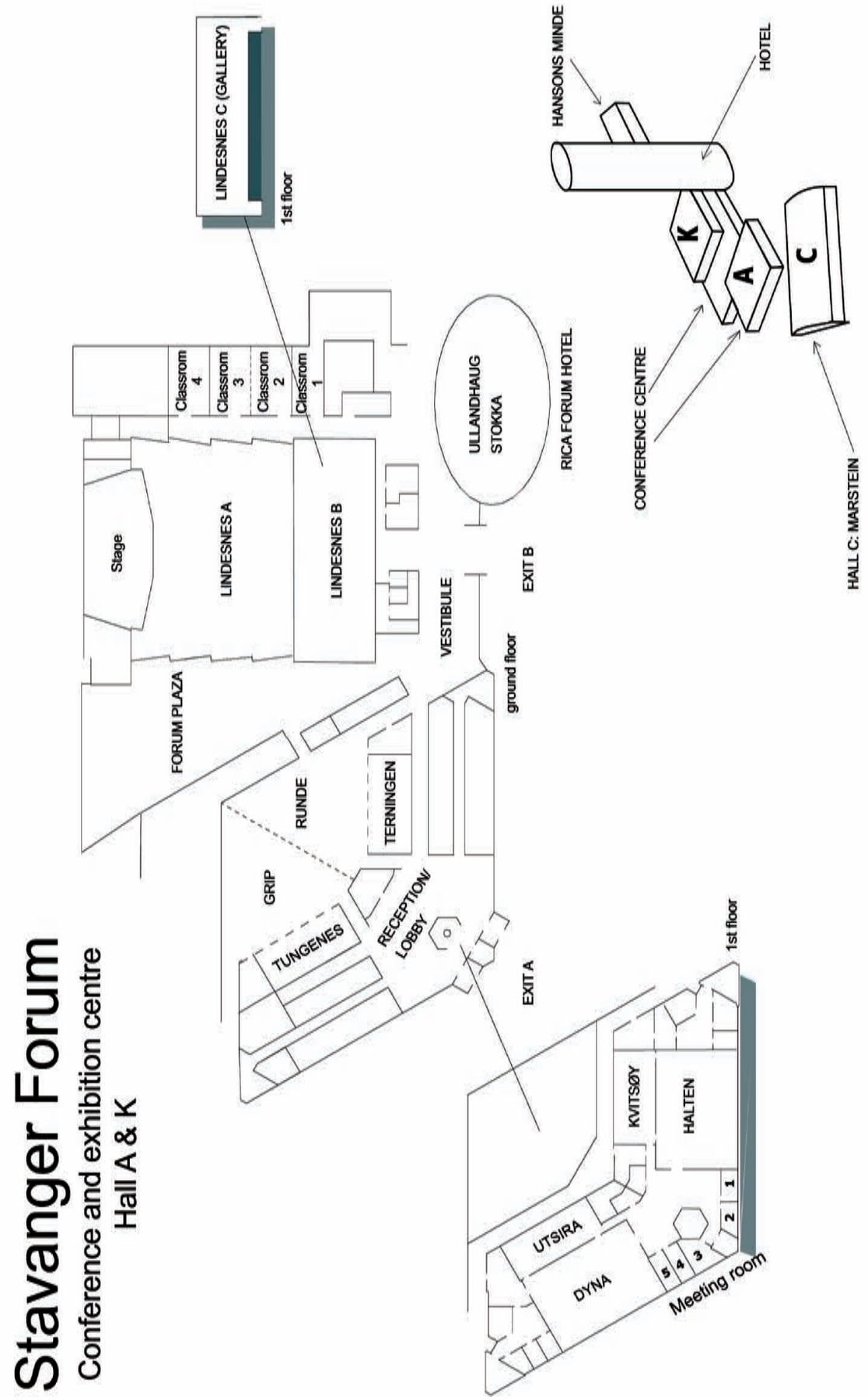
Patrick Duffy, Canada - Agriculture, Forestry and Fisheries
Helen Byron, United Kingdom - Biodiversity and Ecology
Debra Zanewich, Canada - Environmental Management Systems
Lea den Broeder, The Netherlands - Health Impact Assessment
Suphakijn Nuntavorakarn, Thailand - Health Impact Assessment
Clive George, United Kingdom - Integrated Assessment of Trade-Related Policies
Bernice Goldsmith, Canada - Integrated Assessment of Trade-Related Policies
Bob Tai, New Zealand - Indigenous Peoples
Amy Emerhi, Nigeria - Indigenous Peoples
Thomas Fischer, United Kingdom - Strategic Environmental Assessment
Markus Eggenberger, Switzerland - Local/Regional Government Policy and IA (Urban Governance)
Charles Kelly, USA - Disasters and Conflicts
Michel Bouchard, Canada - Disasters and Conflicts
Susan Waters, Canada - Environmental IA Law, Policies and Practice
Jan de Mulder, Belgium - Environmental IA Law, Policies and Practice
Pierre André, Canada - Public Participation
James Baines, New Zealand - Social Impact Assessment

Special thanks

Børge Handeland, Bodil Lande, Stavanger Forum, Norway
Jean-Roger Mercier, Stig Roar Husby, Fun Run organizers
Sue Thibedeau, **Elaine Keller,** and staff, Richtman's Printing, USA

And the many volunteers who have helped make IAIA06 a tremendous success.

Map: Stavanger Forum



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IAIA gratefully acknowledges these companies and organizations for their generous financial and in-kind support of IAIA06.

By sharing their resources, these companies and organizations demonstrate their commitment to the environment and contribute to the improvement of impact assessment around the globe.

When you meet a representative of one of these organizations, at the conference or in the months ahead, please be sure to thank them for their contribution.