

5th Nordic Environmental Assessment Conference



PLANNING FOR SUSTAINABLE DEVELOPMENT

- the practice and potential of environmental assessment

Reykjavík, Iceland, 24th - 26th August 2003

Grand Hótel Reykjavík

PROGRAMME

Organised by:



Skipulagsstofnun - the Planning Agency, Iceland



Nordregio, Nordic EA Network

In cooperation with:

Ministry for the Environment, Iceland

The University of Iceland

Supported by the Nordic Council of Ministers

Sunday 24th August

- Field trip to the Reykjanes peninsula**
9:00 Busses leave from Grand Hótel Reykjavík (from other conference hotels at 8:45)
18:00 Estimated arrival back at hotels
17:30 –
19:30 **Conference registration**, Grand Hótel Reykjavík

Monday 25th August

- 8:00 **Conference registration**, Grand Hótel Reykjavík
9:00 **Plenary session**, Gullteigur
Chair: Magnús Jóhannesson, Secretary General, Ministry for the Environment, Iceland
Opening address: Stefán Thors, director of the Planning Agency, Iceland
Riki Thérivel, partner with Levett-Thérivel sustainability consultants and visiting professor at the School of Planning, Oxford Brookes University, UK
Issues in implementing the SEA Directive
- 10.15 **Coffee**
10.45 **Plenary session cont.**
Tim Richardson, senior lecturer at the Dep. of Town & Regional Planning, Sheffield University, UK and visiting professor in the Dep. of Development and Planning, Aalborg University, Denmark
SEA and planning theory: Facing up to multiple rationalities and power
Ingvild Swensen, adviser at the Ministry for the Environment, Norway.
Endangered Impact Assessment? EIA in a changing environment
- 12:00 **Lunch**
13:30 **Parallel sessions**
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|---|--|---|
| <u>Session 1</u> , Hvammur EIA of projects - Review of practice and current issues <i>Lessons from EIA of projects</i> | <u>Session 2</u> , Gallery Methods and techniques for environmental assessment and planning <i>Applicability of different methods</i> | <u>Session 3</u> , Gullteigur Planning for sustainable development and the role of SEA <i>Planning for sustainable development and democracy</i> |
|---|--|---|
- 14:45 **Coffee**
15:15 **Parallel sessions continue**
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| <u>Session 1</u> , Hvammur EIA of projects - Review of practice and current issues <i>Screening and scoping</i> | <u>Session 2</u> , Gallery Methods and techniques for environmental assessment and planning <i>Methods for baseline analysis, assessment and planning</i> | <u>Session 3</u> , Gullteigur Planning for sustainable development and the role of SEA <i>Planning for sustainable development and institutional framework</i> |
|--|--|---|
- 16:45-
17:30 **Poster session**
18:30 Busses leave from conference hotels for conference dinner at Perlan
18:45 **Conference dinner** at Perlan. Aperitif by courtesy of the Ministry for the Environment
ca. 22.30 Busses leave Perlan for conference hotels

Parallel sessions, Monday 25th August

Session 1

EIA of projects - Review of practice and current issues

*Chair: Terje Lind, Deputy
Director General, Ministry for
the Environment, Norway*

Lessons from EIA of projects

Can good EIA practice criteria
be applied to SEA? – the
Øresund bridge as a case
Eric Markus & Lars Emmelin*

The influence of EIA for
decision-making and
formulation of alternatives
Pekka Hokkanen

"Great expectations" – the
contribution of environmental
impact assessment to
decision-making in Alberta
Anke Seifried

Screening and scoping

The benefit of screening
Gert Johansen

The SEA-Directive in Norway
Martin A. Hanssen

EIA and the practical
experience of the scoping
report in Iceland
Hólmfríður Sigurðardóttir &
Jakob Gunnarsson*

Scoping in EIA: theoretical
strengths and practical
weaknesses
Paulo Pinho & Joao Margalha*

Session 2

Methods and techniques for environmental assessment and planning

*Chair: Júlíus Sólnes, prof.,
Dep. of civil and environm.
engineering, Univ. of Iceland*

Applicability of different methods

Testing an analytical
framework for SEA on the
waste/energy sector
Måns Nilsson, Göran
Finnveden, Anna Björklund &
Jessica Johansson*

The role of science in
environmental impact
assessment and its influence
upon, and interaction with,
decision-making processes
Mat Cashmore

The inclusion of indirect
effects in environmental
assessment of infrastructure
plans
Jessica Johansson & Daniel
Jonsson*

Environmental evaluation of
four different sites for
domestic airport location
Júlíus Sólnes

Methods for baseline analysis, assessment and planning

Natural hazard and risk
assessments in regional and
land-use planning: Iceland as
a case study
Björn Gunnarsson & Maria-
Victoria Gunnarsson*

The impact of natural hazards
in Iceland. How assessment
could be instrumental in a
new type of a regional plan
*Hallgrímur Már Hallgrímsson,
Trausti Valsson & Birgir
Jónsson**

Application and appraisal of
the tourism carrying capacity
concept and the recreation
opportunity spectrum model
for sustainable management
of natural resources
Anna Dóra Sæþórsdóttir &
Rannveig Ólafsdóttir*

Research and development in
EIA at Swedish National
Heritage Board
Mikael Jakobsson

Session 3

Planning for sustainable development and the role of SEA

*Chair: Lars Emmelin,
professor, Blekinge Institute
of Technology, Sweden*

Planning for sustainable development and democracy

Planning as a tool to bring
about sustainable
development - experiences
from the Nordic countries
Hólmfríður Bjarnadóttir

Environmental justice – new
fuel to the debate on planning
for sustainable development
in the Nordic countries
Karin Bradley

SEA and environmental
justice: a participative
approach to resolving local-
global value conflicts?
Steve Connelly & Tim
Richardsson*

Planning for sustainable development and institutional framework

Holding governments
accountable for EIA and SEA
– the Canadian example
*Richard Arseneault & George
Stuetz**

Planning at national-level and
introduction of SEA
Ásdís Hlökk Theodórsdóttir

EIA in parliament.
Sustainability and Norwegian
offshore petroleum
developments
Einar Leknes

* presenting author

Tuesday 26th August

- 9:00 **Parallel sessions**
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|---|--|---|
| <u>Session 1</u> , Hvammur EIA of projects - Review of practice and current issues <i>Review of EIA practice</i> | <u>Session 3</u> , Gullteigur Planning for sustainable development and the role of SEA <i>Planning for sustainable development and public participation</i> <i>SEA of plans and programmes</i> (this issue will continue after the coffeebreak) | <u>Session 4</u> , Gallery Implementation of the EU SEA Directive in the Nordic Countries |
|---|--|---|
- 10:15 **Coffee**
- 10:45 **Parallel sessions continue**
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|---|--|---------------------------------|
| <u>Session 1</u> , Hvammur EIA of projects - Review of practice and current issues <i>Review of EIA practice - energy projects</i> | <u>Session 3</u> , Gullteigur Planning for sustainable development and the role of SEA <i>SEA of plans and programmes</i> | <u>Session 4</u> cont., Gallery |
|---|--|---------------------------------|
- 12:00 **Lunch**
- 13:30 **Plenary session**, Gullteigur
Chair: Björn Gunnarsson, Director of the Environmental Research Institute, University of Iceland
- David Aspinwall, seconded national expert at DG Environment, European Commission
Implementation of the SEA Directive
- Audun Ruud, acting programme director and senior research fellow at the Programme on Research and Documentation for a Sustainable Society (ProSus) at the Centre for Development and the Environment, University of Oslo, Norway.
Governance for sustainable development: The challenge of environmental policy integration in Norway
- Bo Elling, associate professor, Department of Environment, Technology and Social Studies, Roskilde University, Denmark
Modernity and communicative reflection - knowledge, reflexivity and rationality in environmental assessment
- 15:30 **Coffee**
- 16:00 **The potential of EA for promoting sustainable development in planning - what does the practice tell us and which are the important research issues?**
Plenary panel discussion, Gullteigur, chaired by Tuija Hilding-Rydevik, senior research fellow, Nordregio
Participants: Riki Thérivel, Tim Richardson, Ingvild Swensen, David Aspinwall, Audun Ruud and Bo Elling
- 17:00 **Closing of conference**, Tuija Hilding-Rydevik

Parallel sessions, Tuesday 26th August

Session 1 EIA of projects - Review of practice and current issues

Chair: *Birgir Jónsson, assoc. prof., Dep. of Civil and Envir. Engineering, Univ. of Iceland*

Review of EIA practice

Environmental impact assessment of Icelandic road projects
Hreinn Haraldsson & Ásdís Guðmundsdóttir*

An EIA for a highway tunnel in Trollaskagi in northern Iceland
*Hreinn Haraldsson, Ásdís Guðmundsdóttir & Stefán Gunnar Thors**

Socio - economic impact assessment. Two different projects: a road tunnel in the Tröllaskagi peninsula in Northern Iceland and the Kárahnjúkar hydro project in Eastern Iceland
Grétar Þór Eysteinnsson, Hjalti Jóhannesson & Kjartan Ólafsson*

Review of EIA practice - energy projects

Integrating environmental aspects into decision-making in Sweden – a case study of the energy sector
Sara Tyskeng

EIA and geothermal energy in Iceland
*Hólmfríður Sigurðardóttir & Jakob Gunnarsson**

Experience of environmental impact assessment (EIA) when working with electricity production in Iceland – electricity production and sustainable development
Ragnheiður Ólafsdóttir.

* presenting author

Session 3 Planning for sustainable development and the role of SEA

Chair: *Auður Sveinsdóttir, Docent, Dep. of Envir. and Landscape Plann., Hvanneyri Agricultural Univ., Iceland*

Planning for sustainable development and public participation

Public participation, democracy and environmental integration: can EIA/SEA provide a feasible connection?
María J. Figueroa

Public participation in planning: from theory to practice
Sigurborg Kr. Hannesdóttir

SEA of plans and programmes

Implementing SEA into the Icelandic road programme
Sebastian Peters & Stefán Gunnar Thors*

Impact assessment in Swedish municipal plans since 1996 – an inventory of the environmental aspects covered
Ann Ákerskog

Does strategic environmental assessment have an impact on development plans? Experience from the making of Reykjavík city development plan for 2001-2024
Halldóra Hreggviðsdóttir, Sigurborg Kr. Hannesdóttir & Ingibjörg R. Guðlaugsdóttir**

Session 4 Implementation of the EU SEA Directive in the Nordic countries

Chair: *Matthildur Kr. Elmarsdóttir, planner, Skipulagsstofnun - Planning Agency, Iceland*

Delegates from environmental authorities in the Nordic countries will present and discuss current proposals for transposition of the EU Directive on strategic environmental assessment.

Gert Johansen,
Ministry for the Environment,
Denmark

Ulla-Riitta Soveri,
Ministry for the Environment,
Finland

Halldór Þorgeirsson,
Ministry for the Environment,
Iceland

Stig Roar Husby,
Ministry for the Environment,
Norway

Sten Jerdenius,
Ministry for the Environment,
Sweden

Posters

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| Øystein Aas | <i>Actors and roles in Environmental Impact Assessment processes and the issue of impartiality; experiences and models from Scandinavia</i> |
| Axel Valur Birgisson, Margrét Valdimarsdóttir & Jóhanna Weisshappel | <i>EIA on water supply project in SW- Iceland</i> |
| Haukur Einarsson, Ragnheiður Ólafsdóttir & Rúnar D. Bjarnason | <i>Hydropower - Sustainable development and renewable energy</i> |
| Markku Kuitunen, Kimmo Hirvonen & Kimmo Jalava | <i>The Rapid Impact Assessment Matrix (RIAM) for comparing the EIA procedures role and effectiveness in projects and programmes</i> |
| Kjell Gustav Markus Lundkvist | <i>The applicability of landscape information in environmental risk management – a case study between Kiruna and Narvik, northern Scandinavia</i> |
| Auður Magnúsdóttir | <i>Evaluating SEA and EIA to the Kárahnjúkar project and other land use alternatives in central east Iceland</i> |
| Hólmfríður Sigurðardóttir & Jakob Gunnarsson | <i>EIA and geothermal energy in Iceland</i> |
| Óskar Sigurðsson | <i>Preparation for a new geothermal power plant – exploration drilling</i> |
| Jóhanna Björk Weisshappel | <i>Participation of Hönnun, Consultants, in EIA of the Nordural aluminum plant in Grundartangi, Hvalfjordur, environmental studies and monitoring</i> |

5th Nordic Environmental Assessment Conference Planning for sustainable development – the practice and potential of environmental assessment

Organising committee

Ásdís Hlökk Theodórsdóttir, Planning Agency
Hólmfríður Bjarnadóttir, Nordregio
Matthildur Kr. Elmarsdóttir, Planning Agency
Tuija Hilding-Rydevik, Nordregio
Hólmfríður Sigurðardóttir, Planning Agency
Þóroddur Fr. Þóroddsson, Planning Agency

Advisory group

Hrafn Hallgrímsson, Ministry for the Envir., Icel.
Björn Gunnarsson, University of Iceland
Július Sólmes, University of Iceland
Nordic Planning Authorities
Nordic group of Environm. Assessment officia