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NUCLEAR ENERGY AGENCY RADIOACTIVE WASTE MANAGEMENT COMMITTEE

Cancels & replaces the same document of 14 March 2011

Forum on Stakeholder Confidence (FSC)

10-year Record of Learning

Factual List of Activities and Investigated Topics, and of People Who Contributed to Them

15 September 2010, OECD Conference Centre, Paris

The present document lists the thematic presentations and discussions of the first eleven Regular Meetings of the Forum on Stakeholder Confidence (2000-2010) and two exceptional meetings, plus the themes of its national workshops. As much as possible, the name and affiliation of the persons who contributed to each particular event are also reported. Hyperlinks to all the FSC publications are included.

A version of this document (now superceded by the present) was distributed at the FSC's "10-year Anniversary Colloquium", Paris, 15 September 2010.

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FOREWORD

The OECD/NEA Forum on Stakeholder Confidence (FSC) was created in 2000 to promote the sharing of international experience in addressing the societal dimension of radioactive waste management. It explores means of ensuring an effective dialogue amongst all stakeholders and to strengthen confidence in decision-making processes. The FSC has had constructive dialogues and interactions with hundreds of interested parties in radioactive waste management, ranging from specialists and academic researchers to national and local politicians to local stakeholders and associations.

The FSC has always attached particular importance to knowledge consolidation and transfer. During the past 10 years the FSC documented a wealth of experience through topical sessions and studies and, in particular, through its many national workshops and community visits. Two-page summary flyers in multiple languages highlight the lessons learnt. The great majority of FSC publications can be found online (www.oecd-nea.org/fsc).

At the occasion of the 10th Anniversary of the OECD/NEA Forum on Stakeholder Confidence, it is good to look back on the rich history of learning by this group. The present document lists the thematic presentations and discussions of the first eleven Regular Meetings of the FSC (2000-2010) and the exceptional Brainstorming Workshop (2007) and 10-year Anniversary Colloquium (2010), along with the themes of its seven National Workshops and Community Visits. As much as possible, the name and affiliation of the persons who made presentations at each particular event are also reported, and the persons who have served on the successive Core Groups guiding the FSC are identified.

Among the persons who played a large role over the years in shaping and reporting the work of the FSC, but whose names are less often found next to scheduled thematic presentations, are: the founding Chair of the FSC, Yves Le Bars (formerly of Andra); Dr. Anna Vári (Hungarian Academy of Sciences); Claire Mays (Institut Symlog de France and NEA); and the initiator of the FSC, Dr. Claudio Pescatore (NEA).

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BACKGROUND AND ORGANISATION OF THE REPORT

The OECD/NEA Forum on Stakeholder Confidence (FSC) was created in 2000 to promote the sharing of international experience in addressing the societal dimension of radioactive waste management. Grouping representatives of some 16 countries (government policy and regulatory officials, R&D specialists, implementers and industry representatives), the FSC explores means of ensuring effective dialogue amongst all stakeholders and to strengthen confidence in decision-making processes and socio-technical systems of radioactive waste management. The working definition given to the term "stakeholder" is: *Any actor – institution, group or individual – with an interest or with a role to play in the process*.

The Forum is aided in its work by academics (notably social scientists) inside and outside radioactive waste management, and by elected or non-elected representatives of regions and local communities sharing an interest or stake in the topics discussed. In a decade of existence, the FSC has documented a wealth of experience through topical sessions and studies, and through its National Workshops and Community Visits. This ongoing record benchmarks practice, and allows progress and change to be assessed.

FSC work has ranged broadly across many themes and issues regarding the management of various categories of radioactive wastes, and the diverse solutions envisioned. Its learning extends beyond geological repositories. Similarly, feedback from professionals and practitioners indicates that many of the FSC lessons are pertinent outside the area of waste management. Study reports, proceedings of workshops and topical sessions, and two-page summary flyers are available online at www.oecd-nea.org/fsc.

The FSC's Programme of Work¹ explains the modus operandi of alternation between Regular Meetings and National Workshops/Community Visits. The POW also details the themes chosen for investigation by the FSC. Periodically updated, the POW is composed today of seven themes (see Table of Contents). At Regular Meetings of the FSC, these themes are investigated in topical sessions. Presentations by FSC members, other stakeholders or experts are followed by discussion, strategic planning and reporting. The FSC also invites speakers to provide insight on specific issues.

At the occasion of the 10th Anniversary of the OECD/NEA "Forum on Stakeholder Confidence", it is good to look back on the rich history of learning by this group. The present document lists the thematic presentations and discussions of the first eleven Regular Meetings of the FSC (2000-2010) and two exceptional gatherings in 2007 (Brainstorming Workshop) and 2010 (10-year Anniversary Colloquium), plus the themes of its National Workshops.

The present report is organised according to the themes indentified in the current Programme of Work. All the speakers of the first eleven FSC Regular Meetings are listed in the present document. When the presentations gave rise to a publication, this is **signalled by an asterisk** (*) next to the meeting title.

Annex 1 presents FSC National Workshop and Community Visits. Annex 2 identifies the persons who have served in the past decade on the FSC Core Group. Annex 3 provides hyperlinks to access all the FSC publications – topical session and study reports, plus flyers, articles and full proceedings (including participants list) of the FSC National Workshops and Community Visits – online at the public website www.oecd-nea.org/fsc. ²

¹ The POW is available online at: www.oecd-nea.org/rwm/docs/2010/rwm-fsc2010-1.pdf

² Certain FSC reports are available for sale only, in which case the reader is redirected to the OECD Bookshop.

FSC THEME 1

The Link Between Research, Development & Demonstration (RD&D) and Stakeholder Confidence

*FSC - 01	Date : 28-31 August 2000
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

RESEARCH, DEVELOPMENT & DEMONSTRATION

1. On challenges in the transition from site selection to a site investigation phase O. Kurki (Posiva, Finland)

The question of "Why has geological disposal been so well accepted in Finland?" is addressed, along with whether there is more potential for building a higher degree of public confidence when programme alternatives and/or options are kept available. There is an obligation to dialogue and to demonstrate to stakeholders that their input is taken into account.

2. On lessons learnt from the conduct and release of the EKRA study in Switzerland M. Aebersold (BfE, Switzerland)

The result of Switzerland's Expert Group on Disposal Concepts for Radioactive Waste (EKPRA) is presented. Waste retrievability and programme reversibility alleviate mistrust of technology and its implementation. The issues of trust were perceived to be an important area for future exploration by the Forum.

3. On the views and experience of the Swedish regulatory bodies M. Westerlind (SKI, Sweden)

The siting debate in Sweden from the perspective of the regulatory bodies is presented. The term stakeholder should be understood as somebody with a role to play in the siting process. Regarding future stakeholders, the opinion was that we can only do what we think is best for them, but there was recognition of the conflicting priorities of leaving a passively safe situation, or, leaving enhanced possibilities of intervention.

FSC - 02	Date: 17-18 January 2001 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC - 03	Date: 24-26 April 2002 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC - 04	Date: 21-23 May 2003 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE ROLE OF R&D AND SCIENCE AND TECHNOLOGY IN CONFIDENCE BUILDING

1. Suggestions for a Topical Session on the role of R&D and science and technology in confidence building

H. Sakuma (JAEA, Japan)

THE AkEnd RECOMMENDATIONS (GERMANY)

- 2. The structure of the AkEnd process; recommendations on the technical approach D. Appel (AkEnd, Germany)
- 3. Recommendations on societal concerns (public participation, volunteering, regional development)

G. Arens (BMU, Germany)

FSC - 05	Date: 1-3 June 2004 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
*FSC - 06	Date: 8-10 June 2005 Venue: OECD Headquarters, Château de la Muette, PARIS

THE LINK BETWEEN RD&D AND STAKEHOLDER CONFIDENCE

Chair: Y. Le Bars (Andra, France; FSC Chair)

It was agreed that any decision making process should take place in stages, in order to allow collective learning and (self-) training of the various actors. In this process each actor must feel that it can influence the process, including generating complementary investigations on topics of significance in the field of safety and to long-term impacts.

1. Role of, and relation to, science in today's societies, as well the issue of confidence in researchers/institutions

M. O'Connor (Université de Versailles-St. Quentin-en-Yvelines, France)

2. The role and behaviour of the experts (technicians, engineers, researchers) and how to expose the experts' value system in order to gain stakeholder confidence

K. Andersson (Karinta Consult, Sweden)

3. An implementer's view of how research and research capability are approached in order to gain stakeholder confidence in the implementer fulfilling its mission

F. Jacq (Andra, France)

4. A policy maker's view of how research and research capability are to be approached in order to have stakeholder confidence in policy and its implementation

C. Létourneau (NRCan, Canada)

THE ROLE OF RD&D FOR STAKEHOLDER CONFIDENCE AS SEEN BY NON-INSTITUTIONAL ACTORS

Today, the issue is no longer only how to implement an economically-optimal project of waste storage or disposal on a site imposed by the higher authorities, new challenges are posed to the technical community and their roles and the approaches they take. In this new environment, the place of research, development and demonstration (RD&D) in the elaboration of waste management policies and their implementation was illustrated and debated.

5. The perspective of a local community

H. Åhagen (Oskarshamn, Sweden)

6. The perspective of a mayor

J. Castellnou (Hospitalet de l'Infant, Spain)

7. The perspective of an academic

G. de Marsily (Ecole des Mines de Paris, France)

8. Stocktaking

S. van den Hove (ICTA, U. Autònoma Barcelona, Spain)

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FSC - 07	Date : 6-8 June 2006
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
*FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

LINK BETWEEN RESEARCH, DEVELOPMENT AND DEMONSTRATION (RD&D) AND STAKEHOLDER CONFIDENCE: THE SPECIFIC ASPECT OF LONG-TERM SAFETY

Chair: H. Sakuma (Nagra, Switzerland); Rapporteur: A. Vári

1. IGSC recent initiatives and an overview of responses to these questions asked of the IGSC Core Group

B. Strömberg (SKI, Sweden & IGSC Core Group)

- What are the questions about safety and the safety case you feel the public is asking? What kind of reply or approach to replying do they require? What weight should they be given?
- How has dialogue with stakeholders improved your safety case? What lessons may be drawn for the technical community to improve on its capability to respond to questions from the general public and other stakeholders?
- What is the role of RD&D when arguing safety or confidence in safety?

2. The experience of public meetings/involvement in several countries

USA: J. Kotra (NRC, USA)

Sweden: B. Strömberg (SKI, Sweden)

Canada: P. Patton (NWMO, Canada)

Switzerland: H. Wanner (HSK, Switzerland)

3. INTERNATIONAL INSTRUMENTS DEALING WITH PUBLIC PARTICIPATION - CHALLENGES AND OPPORTUNITIES

M. Molina (Enresa, Spain)

Summaries:

- a) Public participation is not only a way of achieving better acceptance but is A PEOPLE'S RIGHT
- b) The Right to Public Participation in environmental decision-making especially links environmental and human rights.
- c) Opportunities to have a legal back-up and legitimacy of tasks to promote acceptance.
- d) Opportunities to develop the participation goals inside legislation.
- e) Opportunities to "enshrine" the principles and values underlying the legislation: transparency, accountability, co-responsibility in environmental decision-making,...
- f) Opportunities to promote the sustainability of the decision-making processes (governance).

FSC PHASE III BRAINSTORMING WORKSHOP

Date: 13-14 December 2007

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

LINK BETWEEN RESEARCH, DEVELOPMENT AND DEMONSTRATION (RD&D) AND STAKEHOLDER CONFIDENCE

Chair: S. van den Hove

Natural, archaeological, and contemporary analogues

B. Faucher (Andra, France)

Also considered during the brainstorming discussion were the topics of Safety and long term safety, Decision-making in a globalized culture, Optimization and BAT, and Reversibility and Retrievability.

Panel: Feedback from Observers: Clarifying Process and Mobilising Research

Y. Le Bars (Consultant, Founding Chair of the FSC)

*FSC - 09 Date: 4-6 June 2008

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

LINK BETWEEN RESEARCH, DEVELOPMENT AND DEMONSTRATION (RD&D) AND STAKEHOLDER CONFIDENCE: USE OF ANALOGUES FOR CONFIDENCE BUILDING

Chair: Mitsuo Takeuchi (NUMO, Japan); Rapporteur: B. Faucher (Andra, France)

Regulators need a technical demonstration to aid in evaluating the safety case. Local stakeholders appreciate the opportunity to visualise technological arrangements. In both cases, demonstration adds to confidence in the feasibility of solutions. Some believe that if handled with integrity, there is an important role for analogues in both the technical safety case and in communication with stakeholders.

1. Use of analogues to build technologists' confidence: NANET

U. Noseck (Gesellschaft für Anlagen- und Reaktorsicherheit (GRS) mbH, Germany)

2. How stakeholders view the use of analogues in safety cases: PAMINA

E. Atherton (NDA, UK) and L. Bailey (Nirex, UK)

3. Setting waste isolation times into a geological context: Some experience with natural analogues in public information

M. Fritschi (Nagra, Swizterland)

4. A regulator's perspective on the use of analogues for regulatory confidence

C. Ruiz (CSN, Spain)

FSC – 10	Date : 15-17 September 2009
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE R&R (REVERSIBILITY AND RETRIEVABILITY) PROJECT OF THE RWMC: MAIN FINDINGS SO FAR

1. Developing a Technical and Societal Concept of Reversibility in France: Learning from the FSC Bar-le-Duc Workshop and recent Andra meetings and colloquia

J.-M. Hoorelbeke (Andra, France)

What is Andra learning that perhaps was missing earlier; what is the engineer's grasp today of the symbolic dimension of reversibility?

2. Progress on a "Retrievability Scale"

J.-N. Dumont (Andra, France); E. Gray (Scottish Executive, UK)

An instrument is under development to foster dialogue around the issues of defining and investigating retrievability. The concept was tested in a stakeholder context.

*FSC - 11 Date: 14 & 16 September 2010

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

MEMORY

Chair: J. Redgrove (NDA, UK)

1. The "UK Nuclear Archive"

E. Gray (The Scottish Government, UK)

2. Swiss Literature Review on Markers

M. Buser (Gutachten & Projekte, Switzerland)

EXPERIENCE IN STAKEHOLDER INVOLVEMENT IN SELECTED CASES

Chair: J. Facella (NWMO, Canada)

- 1. Treatment of Socio-Scientific Aspects in a Safety Case for a Geological Repository in Germany Results of a Research Project
 - B. Kallenbach-Herbert (OEko-Institut, Germany)
- 2. Talking with Stakeholders About Substantive Issues Retrievability and Reversibility in the UK

J. Redgrove (NDA, UK) and D. Brazier (Environment Agency, UK)

REVERSIBILITY AND RETRIEVABILITY (FSC OUTREACH ACTIVITIES)

1. Update on the Draft R&R Report Including FSC Input

J. Facella (NWMO, Canada)

FSC THEME 2

Changing Dynamics of Interaction among RWM Institutions and Stakeholder Confidence

*FSC - 01	Date : 28-31 August 2000
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE CHANGING ENVIRONMENT FOR WASTE MANAGEMENT PROGRAMMES

1. Civil landscapes and changing modes of participation?

D. Ipsen (Universität Kassel, Germany)

Communication across several fields of knowledge is a necessity and an issue in present day society. Deep participation will be successful if one can find an agreement on the level of general values.

2. Trends in decision-making for the siting of waste management facilities

A. Vári (Hungarian Academy of Sciences, Hungary)

A conceptual framework was presented to compare siting processes. The framework was applied to the analysis of L/ILW facility siting processes in the US, Canada, France, the Netherland, Sweden, Switzerland and Hungary.

TRUST AND THE INSTITUTIONAL FRAMEWORK

1. Legal and institutional frameworks for government relations with citizens: lessons learnt on information delivery, consultation and active participation at the national and policy-making level

J. Caddy (OECD-PUMA)

The potential for disappointment and frustration on the part of both government and citizens during the formulation and implementation of sensitive policy decision is high. The questions are: How much consultation is needed and at what stage of the decision-making processes? Who is entitled to represent the public interest and what proxies may the public use?

2. The role and experience of technical oversight bodies

R. Guillaumont (CNE, France)

The different roles, actions and impacts associated with technical oversight bodies are described. The existence of a technical oversight body has definite potencial for increasing confidence in the overall waste management process.

ARE THE WASTE MANAGEMENT INSTITUTIONS SET UP FOR ACHIEVING STAKEHOLDER CONFIDENCE OVER LONG TIME PERIODS?

1. Which are structural requirements for the effective performance of waste management institutions?

R. Espejo (University of Lincolnshire and Humberside, UK)

Policy is the outcome of a complex interaction of "meaning-making" units and their multiple spheres of influence. The structural requirements for effective performance of waste management institutions and the term of "transparency" are addressed.

2. Are the waste management organisations set up for achieving stakeholder confidence? - On the results of a research study.

D. Pawlowski (OPG, Canada)

Research on public acceptance of waste management is presented. A trustworthy and credible organisation is one that could also be described as open, innovative, flexible, responsive, and fair.

FSC - 02 Date: 17-18 January 2001

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

CASE STUDIES

1. The OECD PUMA study on "Strengthening Government-Citizen Connections"

J. Caddy (PUMA/OECD)

The case studies range from local scale (e.g., social housing in France) to national scale (e.g., education in the Czech Republic), and aim to track specific policies from the policy-making stage to implementation to evaluation.

FSC - 03 Date: 24-26 April 2002

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE ORGANISATION AND EVOLUTION OF THE PUBLIC DEBATE ON RW MANAGEMENT IN THE UK

1. Overview and assessment

K. Mondon (NRCan)

2. Scottish research on radioactive waste

E. Gray, N. Gormley, D. Elrick (Scottish Executive)

FSC - 04

Date: 21-23 May 2003

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

CHANGING DYNAMICS OF INTERACTION AMONG RWM INSTITUTIONS AND STAKEHOLDER CONFIDENCE - The Wellenberg experience (Switzerland)

1. Implementer's point of view

M. Fritschi (Nagra)

2. Regulator's point of view

A. Zurkinden (HSK)

3. Policy's point of view

M. Aebersold (BfE)

*FSC - 05

Date: 1-3 June 2004

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

ADDRESSING ISSUES RAISED BY STAKEHOLDERS: IMPACTS ON PROCESS, CONTENT, AND BEHAVIOUR IN WASTE ORGANISATIONS

Chair: B. Hedberg (SSM, Sweden)

The aim of the session was for different country representatives to present what they have done to try and take into account the issues and concerns that stakeholders have raised in discussions with them. Short written reports were asked from all organisations participating in the FSC. The topical session, including the written reports, is fully documented in an ad-hoc publication NEA/RWM/FSC(2004)8 that is released for public use. It can be downloaded from http://www.oecd-nea.org/html/rwm/docs/2004/rwm-fsc2004-8.pdf

1. NRC

J. Kotra (USA)

2. NIREX

E. Atherton (UK)

3. ANDRA

J.-P. Piguet (France)

*FSC - 06

Date: 8-10 June 2005

Venue: OECD Headquarters, Château de la Muette, PARIS

ORGANISATIONAL CHANGES IN RWM INSTITUTIONS

1. A regulator's view of how research and research capability are approached in order to gain stakeholder confidence in effective regulation and safety

J. Kotra (NRC, USA)

The summary of the talk is listed as follows:

- a) NRC is committed to regulatory openness
- b) Independent research and development is necessary to support NRC regulatory actions and decisions regarding a proposed HLW repository at Yucca Mountain
- c) NRC established the CNWRA as a conflict-free body of experts to support NRC's HLW regulatory program
- d) NRC's reliance on independent expertise conveys to stakeholders that NRC is able to challenge DOE's assumptions and assertions and arrive at objective conclusions about the safety of the potential repository

*FSC - 07

Date: 6-8 June 2006

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

ORGANISATIONAL CHANGES: CULTURAL AND STRUCTURAL ASPECTS

Four presentations and a panel discussion addressed the following questions as well as others: Do the experiences in the RWM field reflect those in other sectors? What are the main reasons for the differences? Do long-term environmental issues play a role? Does change only come after a crisis? Are there any factors that hinder or facilitate change? What can be done to sustain changes over the long term?

1. Experience of Implementing Organisational Change

C. Rochet (Ministère de l'enseignement supérieur et de la recherche, France)

2. Organisational Change and How It Can Be Sustained

J. Rohrbaugh (University of Albany, USA)

- 3. Experience with Organisations Implementing Openness and Transparency
 - A. Puddephatt (LSE, UK)
- 4. Experience with Helping Organisations to Implement a Learning Culture and to Sustain Change

B. Blaettel-Mink (J.W. Goethe-Universität, Germany)

*FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

ORGANISATIONAL CHANGES

Cultural and Structural Changes in Radioactive Waste Management Organisations -Lessons Learnt

For the purpose of better understanding recent cultural and structural changes taking place within

radioactive waste management organisations, FSC initiated a four-step process. The process included a questionnaire survey between May and August 2005, a Topical Session on Cultural and Structural Change in Radioactive Waste Management Organisations in June 2006, and the publication of the Proceedings of the Session. Finally, a study report (published in both English and in French) summarised the main lessons drawn regarding "Cultural and Structural Changes in RWM Organisations".

FSC PHASE III BRAINSTORMING	Date : 13-14 December 2007
WORKSHOP	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
	RWM institutions vis-à-vis stakeholder confidence
B. Hedberg (KASAM, Sweden); C.R. Bråkenhielm	Uppsala University, Sweden)
FSC - 09	Date : 4-6 June 2008
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC – 10	Date: 15-17 September 2009
17.7	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

CHANGING DYNAMICS OF INTERACTION AMONG RWM INSTITUTIONS

Chair: E. Simic (The Swedish National Council for Nuclear Waste); Rapporteur: L. Jadoul (FANC)

1. Andra's developing relations with the academic community: opening up to the social sciences L. Aparicio (Andra)

With a new phase in HLW management, and a new set of laws framing the roles of societal and technical actors, France's implementer is reinforcing interactions with the social science community. What are the impacts on organisational culture? What do the new relationships produce in terms of technical and societal understanding?

2. "Community of Practice" and its impacts on stakeholder confidence: The Swedish planning process for final disposal of nuclear waste

T. Hilding-Rydevik (Śwedish Agricultural University and Swedish National Council for Radioactive Waste) and Antoienette Wärnbäck (Swedish EIA Centre, Department for Urban and Rural Planning)

A study considered how SSM may step out of the role executed and developed in the Community of Practice that has emerged during the more than 3-year long Swedish planning process, and act as a critical reviewer of the SKB application.

*FSC – 11	Date : 14 & 16 September 2010
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

SEEKING TRANSPARENCY

Chair: C. Pescatore (OECD NEA); Rapporteur: H. Burnett (US EPA)

- 1. Sweden's Transparency Programme: Lessons Learned, Evaluations and Planned Adjustments E. Simic (Swedish National Council for Nuclear Waste)
- 2. European Commission support to initiatives aiming at enhancing transparency and citizen participation

J. Coadou (EC)

3. Current Work on Guidance for Transparency in Nuclear Regulatory Communication with the Public

K. De Beule (FANC-AFCN, Belgium)

FSC THEME 3

Media, Internal and External Communication, and Stakeholder Confidence

FSC - 01	Date: 28-31 August 2000 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC - 02	Date: 17-18 January 2001 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

VISUAL AIDS IN COMMUNICATION

1. JNC's virtual repository

H. Sakuma (JNC, Japan)

A 2D video version of the 3D tour of JNC's virtual repository was presented. The 3D version is projected onto a dome-shaped screen while the audience sits in chairs that move. The tour takes visitors 1,000 m underground into a repository, and provides a microscopic view of the long-term performance of canisters and bentonite barriers. The 3D tour has proven to be an effective educational tool.

2. DBE's virtual visit of German repositories

H. Riotte (NEA)

A demonstration of the DBE's virtual visit to the Morsleben respository is presented. The visit comprises 360° photos from 12-14 stops on the surface and in the underground. The view at each stop can be rotated and zoomed. Text pop-ups explain what is seen in each photo. Virtual visits are also available for the Konrad and Gorleben facilities.

FSC - 03	Date : : 24-26 April 2002
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

INFORMATION ON RELEVANT INTERNATIONAL ACTIVITIES

- 1. The latest Eurobarometer inquiry on the views of the EU public concerning radioactive waste management
 - S. Webster (European Commission)
 - **OECD** wide
 - NEA Steering Committee debate on civil society
 - Joint CRPPH/RWMC topic session on trust in organisations
 - The FSC workshop in Turku

*FSC - 04	Date : 21-23 May 2003
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

MEDIA

1. Analysis of answers to FSC questionnaire on media relations

J. Lang Lenton (Enresa, Spain), T. Seppälä (Posiva, Finland)

*FSC - 05	Date : 1-3 June 2004
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

MEDIA RELATIONS

Chair: A. MacLachlan (Nucleonics Week); Rapporteurs: M. Aebersold (BfE, Switzerland), T. Seppälä (Posiva, Finland)

The media are considered as significant stakeholders given the role they play in society. A satisfactory relation with them can only be brought about if confidence and credibility are built up over time, and that implies mutual knowledge and respect. In this topical session, the main FSC objective was to learn about the functioning of the media companies, their structures and needs. Speakers were chosen to represent the range of media, as well as different countries and varying RWM situations that may serve as illustrative examples.

1. Senior Media Researcher

H. Bonfadelli (Institut für Publizistikwissenschaft und Medienforschung, U. of Zürich, Switzerland)

2. International Radio News Journalist

M. Mielczarek (Radio France Internationale, France)

3. National or Large-Circulation Print Press Editor (Environmental and Social Issues)

J. Wille (Frankfurter Rundschau, Germany)

4. Local Press Editor

A. S. Palomares (Director, Diario Córdoba, Spain)

FSC - 06	Date : 8-10 June 2005
	Venue: OECD Headquarters, Château de la Muette, PARIS

MEDIA RELATIONS

Chair: T. Seppälä (Posiva, Finland)

An effective media strategy, including timely interaction with the media, is an indispensable tool for organisations/institutions involved in risk management. Transparency, availability and a structured exchange of information are particularly relevant to controversial issues such as radioactive waste management.

1. Approach and experience of a policy maker

M. Aebersold (BfE, Switzerland)

2. Approach and experience of a regulator

S. Chandler(EA, UK)

3. Approach and experience of an implementer

P. Ormai (Puram, Hungary)

4. Approach and experience of an implementer

A.-M. Bölenius (SKB, Sweden)

5. Observations by a media expert external to FSC

S. Di Biasio (OECD)

*FSC - 07	Date : 6-8 June 2006
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

EXPERIENCE WITH ELECTRONIC, WEB AND INTERNET PLATFORMS FOR COMMUNICATING ON RADIOACTIVE WASTE MANAGEMENT

Chair: M. Aebersold (BfE, Switzerland), Rapporteur: J. de la Ferté

The objectives were: (a) To take stock of the development, use and impact in NEA member countries of electronic, Web, and internet platforms, as ways of informing stakeholders and the public at large on radioactive waste management, and improving their knowledge in this area; (b) on the basis of the information collected, to identify specific methods and tools particularly suitable to member countries' RWM information dissemination and communication programmes.

- 1. Presentations by FSC delegates of lead papers on the status and impact of electronic, Web, or internet technologies in their respective organisations
 - E. Gray, on the experience of the Scottish Executive (Scottish Executive, UK)
 - J. Eymard, on Andra's experience (Andra, France)
- 2. Representative from a radioactive waste organisation on use of communication systems based on modern e-technologies. Intention is to focus on its experience as "provider" of information materials through electronic/Web/internet platforms to a wide range of stakeholders W. Hamilton (Nuclear Decommissioning Authority, UK)
- 3. Representative of a targeted group (local and national media, associations, information committees ...) of communication systems based on modern e-technologies. Intention is to focus on its experience as "recipient" of information materials through electronic/ Web/internet platforms

C. Roussel (Association IDEMU, France)

4. Representative of an international nuclear/RWM communication Agency, evaluating its experience as "receiver and emitter" of information and news based on electronic/Web platforms.

J. Shepherd (Executive Director, NucNet, Belgium)

FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

MEDIA AND COMMUNICATIONS

Chair: T. Seppälä (Posiva, Finland)

1. SKB: "Issues management in media - experiences and lessons learnt" A. Bölenius (SKB, Sweden)

2. The KASAM March 2007 hearing in Sweden on the deep borehole concept

B. Hedberg (KASAM, Sweden)

Preliminary Results:

- a) New knowledge on technical feasibility of DBH concept
- b) DBH concept cannot be seen as an alternative method (more analysis and research needed)
- c) If further studies on DBH should be performed, it is unclear by which organisation
- d) Consensus on facts, divergent views of judgments on -and use of -facts
- e) Argumentation analysis needed for stretching
- 3. Nirex: "How to release sensitive information? A case study"

E. Atherton (NDA, UK)

FSC	PHASE	III	BRAINSTORMING	Date : 13-14 December 2007
WORI	KSHOP			Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

MEDIA, INTERNAL AND EXTERNAL COMMUNICATION, AND STAKEHOLDER CONFIDENCE

Chair: S. Engström (SKB, Sweden)

1. Revamping organisational websites

B. Hedberg (KASAM, Sweden)

2. An example of a case study on information and consultation: France's HAVL project

S. Farin (Andra, France)

FSC - 09

Date: 4-6 June 2008

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

OUTREACH AND CONSULTATION CAMPAIGNS

Chair: T. Seppälä (Posiva, Finland)

1. Andra's information and consultation programme in the framework of the HAVL project: Methods, questions and results

S. Farin (ANDRA, France)

2. UK "Managing Radioactive Waste Safely" Consultation on Implementation Phase: Response profile and findings

E. Atherton (NDA, UK) and R. Jackson (DEFRA, UK)

3. UK "Managing Radioactive Waste Safely" Consultation: Scottish Position

E. Gray (The Scottish Government, UK)

4. Swiss Sectoral Plan: Brief update on Stakeholder Consultation

S. Jordi (Swiss Federal Office of Energy)

FSC – 10	Date: 15-17 September 2009 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
*FSC – 11	Date: 14 & 16 September 2010 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

BROADENING JOURNALISTS' KNOWLEDGE BASE AND CONTACTS

Chair: T. Seppälä (Posiva, Finland)

1. STUK's Course for Journalist: Objectives, Materials and Experience L. Hietanen (STUK, Finland)

2. STUK's Course for Journalist: A Participant's Experience and Evaluation

K. Koivisto (Hbl, Helsinki, Finland)

3. NEA Outreach to Media and Civil Society

S. Gas (OECD NEA)

4. Media Needs in the International Context

M. Carey (NucNet, Brussels, Belgium)

FSC THEME 4

Tools and Processes to Help Society Prepare and Manage Decisions (e.g., about Technology, Sites) through Stakeholder Involvement

*FSC - 01	Date : 28-31 August 2000
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

IS THERE A NEW DYNAMIC OF DIALOGUE AND DECISION MAKING?

The new dynamics of dialogue and decision making were characterised in discussion as a shift from the traditional "decide, announce and defend" model, for which the focus was almost exclusively on technical content, to one of "engage, interact and co-operate" for which both technical content and quality of process are of comparable import to a constructive outcome.

1. Lessons learnt from the DECI project on different processes for public participation and transparency in decision making.

K. Andersson (Karinta-Konsult, Sweden)

Public participation is a way of ensuring that public values and ethical understandings are represented in decisions. To achieve transparency there must be procedures allowing decision makers and the public to verify claims of truth, legitimacy and authenticity.

2. A new siting process in France for a URL in granite: lessons from the recently undertaken consultation mission (January - June 2000).

T. Merceron (ANDRA, France)

Despite the national efforts to build up a complete and highly articulated waste management system, the Mission was able to report that many people appear to be unaware of its very existence. This experience suggests that a waste management system, and particularly the roles and engagement of each institution within it must be clarified to citizens.

3. On the methodology being developed in Belgium for partnership and dialogue with local communities.

V. Vanhove (ONDRAF/NIRAS, Belgium)

Key factors in the approach are the clear identification and separation of ethical and technical choices, and the pursuit of partnerships with local municipalities.

FSC - 02	Date : 17-18 January 2001
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

CASE STUDIES

1. The involvement of stakeholders in the German working group AkEnd on selection procedures for final disposal of radioactive waste

D. Appel (AkEnd, Germany)

Fortunately, all stakeholders seem to be in agreement that geologic disposal is the proper solution to the problem of radioactive waste. AkEnd is to develop the site-selection criteria, taking into account all relevant aspects, the experience of other countries, and public participation. Public involvement is foreseen in three phases: during development of the site-selection procedures, during implementation of the procedures, and during the site-selection process.

*FSC - 03	Date : 24-26 April 2002
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE EIA AS A TOOL FOR PUBLIC AND STAKEHOLDER PARTICIPATION

Chair: S. Engström (SKB); Rapporteur: J. Lang-Lenton (Enresa)

The Turku (Finland) Workshop showed that the EIA process can be an important vehicle for stakeholder involvement in preparing decisions. EIA is not the same process to all countries, however, and its role and its potential use for stakeholder involvement will be reviewed from both a European and a North America perspective.

1. The view from the European Commission

S. Webster (European Commission)

2. The view from Canada

C. Létourneau (NRCan, Canada, P. Flavelle (CNSC, Canada)

3. The view from the USA

S. Monroe (US EPA, USA)

*FSC - 04	Date : 21-23 May 2003
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

STAKEHOLDER INVOLVEMENT TOOLS: CRITERIA FOR CHOICE AND EVALUATION

Chair: S. Engström (SKB); Rapporteur: A. Vári (Hungarian Academy of Sciences)

1. A review of the existing tools for national or local consultation – Choosing a tool on the basis of phase and of expected effects

S. van den Hove (ICTA, U. Autònoma Barcelona, Spain)

2. Experience with consultation in Denmark

I.-E. Andersen (Project Manager, The Danish Board of Technology, Denmark)

3. Evaluating public participation techniques – Criterion-based approach

E. Atherton (UK Nirex)

4. Evaluating public participation exercises-PUMA guidelines

C. Vergez (OECD – PUMA)

*FSC - 05	Date : 1-3 June 2004
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

DESK STUDY ON STAKEHOLDER INVOLVEMENT TOOLS

C. Mays (OECD NEA)

A study report (published in English and in French) reviews the justification for stakeholder involvement, outlines steps and methods, and provides an annotated bibliography.

DECISION MAKING PROCESSES AT THE STRATEGIC CHOICE STAGE: HOW DIFFERENT STAKEHOLDERS ARE INVOLVED, AND WHICH VALUES ARE TAKEN INTO ACCOUNT

E. van Hove (ret., Antwerp University)

Three countries today are engaged in defining their strategic choices for the long-term management of long-lived radioactive waste. The following themes were addressed:

- a) The context in which the responsible parties must carry out their strategic recommendation, including links with relevant national policies;
- b) The technical bases on which the decisions will be founded, including data sets and confidence-building activities;

- c) The methodology of formulating strategic recommendations, including scenarios, dialogue and debate in particular on the values guiding choices;
- d) Local development issues, i.e., planning and preparation of local development and sustainability in the context of siting.

1. Natural Resources, Canada

P. Brown (Natural Resources, Canada)

2. Nuclear Waste Management Organisation, Canada

K. Shaver (NWMO, Canada)

3. UK Government and Devolved Administrations

E. Gray (The Scottish Government, UK)

4. CoRWM, UK

E. Gray (on behalf of CoRWM, UK)

5. Ministry of Industry (DGEMP), France

C. Vincent (DGEMP, France)

6. French National Assembly (OPECST), France

C. Bataille (OPECST, France)

FSC - 06	Date: 8-10 June 2005 Venue: OECD Headquarters, Château de la Muette, PARIS
FSC - 07	Date: 6-8 June 2006 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

TOOLS AND PROCESSES TO HELP SOCIETY PREPARE AND MANAGE DECISIONS IN THE FIELD OF RADIOACTIVE WASTE MANAGEMENT

Chair: J. Kotra (US NRC, FSC Chair)

1. The NWMO experience of public consultation in Canada

J.A. Facella (NWMO, Canada)

2. The CNDP experience of public consultation in France

G. Mercadal (CNDP, France)

3. Preparing for consultations on EIA for spent fuel disposal in Sweden

S. Engström (SKB, Sweden)

*FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

PREPARING FUTURE GENERATIONS AND EMPOWERING LOCAL COMMUNITIES

1. SKI and SSI's recommendations to the government concerning long-term responsibility after closure of a repository for spent nuclear fuel

J. P. Jonsson (SKI, Sweden)

2. KASAM project for detailed study of the decision-making process and basis for decisions in the nuclear waste area

B. Hedberg (KASAM, Sweden)

3. USNRC Case Study

J. Kotra (NRC, USA)

FSC PHASE III BRAINSTORMING WS Date: 13-14 December 2007 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux		
Environmental law and international agreements; Ethical assessment, SIA, SEA, EIA as opportunities for international stakeholder involvement A. Duncan (consultant, former regulator, UK)		
*FSC - 09	Date : 4-6 June 2008	

TOOLS TO HELP SOCIETY IN DECISION MAKING: LEGAL and POLICY ISSUES

1. Setting criteria for the representativeness of NGO/CSOs: Report on hearings at the request of France's Prime Minister

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

B. Pancher (M.P.; President of "Décidons Ensemble"; France)

In Spring 2008, B. Pancher M.P. of the Meuse (The Meuse happens to be one of the two departments sharing the "proximity zone" in which France's future deep geological disposal facility is to be sited, but hearings were conducted independently of this fact) conducted hearings of some 40 governmental, non-governmental and civil society organisations. At issue are criteria to judge whether NGOs and CSOs are representative, so that they can gain a seat in various national, regional or local governance structures. For instance, local Development Councils could be open to environmental protection associations, but also environment "users" associations (hunters, hikers, etc.) who want a say in how planning should interact with sustainability, landscape and the environment.

- 2. Open and Inclusive Policy Making: Emerging Practice in OECD Countries J. Caddy (OECD-GOV)
- 3. How an agency has tried to inform people about the legal and permitting process J. Kotra (NRC, USA)
- 4. Rights and obligations to stakeholders under international agreements and conventions (e.g. Aarhus, SEA, EIA etc.)

S. Tromans (Barrister, London, UK)

*FSC – 10 ³	Date: 15-17 September 2009
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

REGIONAL ELECTED AUTHORITIES AS STAKEHOLDERS IN RWM: THEIR NEEDS, INTERESTS AND ASPIRATIONS

Regional governments (as distinct from municipal authorities or central/federal government) emerge as stakeholders with their own role and potentially specific interests and aspirations. They are closer to local concerns and interests than are national or federal chambers. Yet at the same time, regional citizens and their representatives may not feel the same involvement or investment in RWM issues as do local stakeholders directly connected with a site, and regional opinions may diverge from local ones.

This topical session is the FSC's first one to look at major or pertinent regional elected authorities as RWM stakeholders. The focus will be on understanding who these stakeholders are, and what are their needs, interests, and aspirations.

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³ The Proceedings of the Topical Session will be published in the same volume with the follow-up session to be held at FSC-11 (Sept. 2010).

1. UK presentation

E. Atherton (NDA, UK)

2. France presentation

S. Farin (Andra, France)

3. Switzerland presentation

S. Jordi (BfE, Switzerland)

4. Germany presentation

B. Kallenbach-Herbert (OEKO, Germany)

5. Canada presentation

J.-A. Facella (NWMO, Canada)

*FSC – 11	Date : 14 & 16 September 2010
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

EXPERIENCE IN STAKEHOLDER INVOLVEMENT IN SELECTED CASES

1. Interplay Among Stakeholders for the Definition of the Detailed Geological Survey Zone in the Meuse/Haute-Marne (France)

S. Farin (Andra, France)

2. Sogin's engagement process 2010: Focus on involvement of economic operators as a part of the local community

P. Baldassarri (Sogin, Italy)

COOPERATING WITH REGIONAL ELECTED AUTHORITIES

1. France Presentation

S. Farin (Andra)

2. Spain Presentation

M.Molina (Enresa)

3. Sweden Presentation

C. Blom (Uppsala Regional Council)

*10-YEAR ANNIVERSARY	Date: 15 September 2010
COLLOQUIUM	Venue: OECD Conference Centre, Paris

PARTNERING FOR LONG-TERM MANAGEMENT OF RADIOACTIVE WASTE

1. Inclusive Governance – Is it here? How far does it reach?

Gilles Hériard-Dubreuil, Serge Gadbois; Mutadis and ANCCLI (France)

Societal response in the past decades to RWM facility development has provoked genuinely creative institutional efforts to engage stakeholders; bottom-up societal initiatives; and diverse transversal research programmes. To what extent do the present achievements constitute a solid and irreversible trend towards inclusive governance? What are the objectives and characteristics of inclusive governance? Based on findings from two European activities (COWAM cooperative research programmes, and the "Aarhus Convention and Nuclear" – ACN – initiative by ANCCLI and DG-Energy), views of local actors are presented regarding the current level of implementation in the EU of inclusive governance in the context of RWM. Also outlined are the main conditions and means for an efficient and sustainable contribution by civil society to the quality and safety of RWM.

2. Panel Discussion: Developing and Sustaining Partnership

In its decade of existence the FSC has been able to trace experimentation in new forms of joint work

between RWM institutions and local or regional communities. In particular, "local partnerships" have been useful for developing both technical and socio-economic planning for RWM facilities.

What are the challenges faced when entering and conducting a partnership? What happens at the end of a partnership? Has the partnership approach given better confidence to the range of stakeholders? What are the expectations on the various institutional actors?

Panellists: Local stakeholder representatives from Belgium, France, UK and Hungary, and implementer from Slovenia

FSC THEME 5

Increasing the Value of Waste Management Facilities to Local Communities

Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
D + 17 10 I 2001
Date : 17-18 January 2001
Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
Date : 24-26 April 2002
Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
TTUENCIES - LESSONS LEARNT AND IDENTIFIED
Date : 21-23 May 2003
Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
rk of an Expert Group of the NEA Nuclear Development
Date : 1-3 June 2004
Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
Date : 8-10 June 2005

1. Work in the area of providing added value to WM facilities

C. Pescatore (NEA, France), C. Mays (NEA, France)

Background work with a view to better understanding the potentialities in this area. C. Mays reviewed the history of the initiative. One important message was that "we would not be creating from scratch but integrating", notably FSC documentation. It is proposed to interview stakeholders by phone.

*FSC - 07	Date : 6-8 June 2006
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

FORMING A SUSTAINABLE RELATIONSHIP TO A LOCAL WASTE MANAGEMENT FACILITY: THE VAP (VALUE ADDED PROJECT) INITIATIVE OF THE FSC

In radioactive waste management, the greatest challenge may be to create a local operating facility that can survive over the generations—in both a technical sense and a societal sense. One necessary condition is that there should be a continued willingness to live with and maintain the facility. Building a long-term relationship can be facilitated by designing and implementing facilities in ways that reflect the values and interests of local communities. The FSC considers that this is vital for making sure that the facility will be understood and remembered across time.

FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

VALUE-ADDED AREA

Cross-fertilization from other areas: Talk on "Ensuring the Availability of Clean Water: Ethics, Values, and Stakeholder Involvement"

L. E. Marin, (Mexican National University, Mexico)

Some of the problems faced in the water sector are similar to those faced by the RWM field, namely communication on complex issues with society. There are similar questions on the role of scientists and how they can reach policy makers. In the Mexican setting, fostering transparency of financial mechanisms was a strong element in trust building.

FSC	PHASE	III	BRAINSTORMING	Date : 13-14 December 2007
WORI	KSHOP			Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

INCREASING THE VALUE OF WASTE MANAGEMENT FACILITIES TO LOCAL COMMUNITIES

Chair: E. Van Hove (Belgium)

Memory and Amenity

M. O'Connor (Université de Versailles St-Quentin-en-Yvelines, France)

Introduction to on-site Art Exhibit

Cécile Massart (Artist, Belgium)

The artist, a habitué of the FSC, recalled the various installations she has created (Un site archivé pour alpha, bêta, gamma; COVER; etc.) that urge the spectator-participants to reflect on the issues of long term memory of waste management sites. At the FSC workshop several graphic works were displayed.

FSC - 09	Date: 4-6 June 2008 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
*FSC – 10	Date: 15-17 September 2009 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

CREATING A DURABLE RELATIONSHIP BETWEEN A HOST COMMUNITY, A FACILITY AND THE MAIN INSTITUTIONAL ACTORS

Chair: E. Atherton (NDA, UK); Rapporteur: L. Gilli (IRSN, France)

The first stage of work allowed the FSC to identify the need to foster a durable relationship between a community and a facility, through maximising the value added by hosting a facility.

In a second stage, we have concentrated on arrangements for building relationships among the different

partners in RWM.

1. Sweden presentation

S. Engström (SKB, Sweden) - by videolink

2. Spain presentation

M. Molina (Enresa, Spain)

3. Scotland presentation

E. Gray (Scottish Executive, UK)

FSC – 11	Date : 14 & 16 September 2010
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
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*10-YEAR ANNIVERSARY	Date: 15 September 2010
COLLOQUIUM	Venue: OECD Conference Centre, Paris

BUILDING A DURABLE RELATIONSHIP BETWEEN A HOST COMMUNITY, A FACILITY, AND MAJOR INSTITUTIONAL PLAYERS WITH QUALITY OF LIFE IN MIND

2. Betting on technology, on Economics and/or on People?

Prof. Erik van Hove, ret., U. Antwerpen (Belgium)

The goal of radioactive waste management is to protect health, safety and the environment... but can we not place *quality of life/well-being* at the heart of this endeavour? The FSC has innovated by looking at waste management facilities and siting processes as positive opportunities to add value: to improve sustainability of decisions and community well-being. There are several approaches to developing a sustainable relationship, based on e.g. socio-economic development, but how do we figure-in quality of life and the long term?

3. Panel Discussion

Is "added value" mainly about increasing economic wealth? Is a "durable relationship" only a means to ensure long-term memory of an installation? What can our generation do to imbue an installation and RWM with values and meaning that our descendents will gladly carry on and develop? Panellists reflect on quality of life and the links envisioned between present and future communities.

Panellists: Mayor K. Van Dijck, Dessel (Belgium); M. Buser, Gutachten & Projekte (Switzerland); C. Blom, Uppsala Regional Council (Sweden); M. Vila d'Abadal, GMF and AMAC (Spain; absent with apologies)

FSC THEME 6

The Symbolic Dimension

*FSC - 01	Date : 28-31 August 2000
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

"STAKEHOLDERS" AND "THE PUBLIC" - WHO ARE THEY?

1. Who are stakeholders in environmental risk decisions?

M. English (University of Tennessee, USA)

Diffuse and long-term risks represent the hardest case of all for stakeholder involvement. Emphasis on the long-term common good calls upon people to think of themselves, not simply as self-interested stakeholders, but also as trustees for the well being of other people and the environment.

2. Participation of stakeholders in waste management decisions – the German experience D. Appel (Arbeitskreis Endlagerstandorte, Germany)

Credibility is based on confidence in the responsible institution. It is difficult to heal early procedural mistakes affecting the credibility of the entire subsequent processes. The only way may be to go back to a point before the mistake was committed. In all phases of the decision making process public participation is essential.

3. SKI's and SSI's Experiences from Their Participation in the Siting of a Final Repository for Spent Nuclear Fuel

M. Westerlind (SKI, Sweden) and B. Hedberg(SSI, Sweden)

The siting debate in Sweden from the prospective of t he regulatory bodies was presented. The Working Group concluded to a majority that the term "stakeholder" should be understood as somebody with a role to play in the process. The designation of the regulator as a stakeholder is not acceptable in all countries.

FSC - 02	Date : 17-18 January 2001
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC - 03	Date : 24-26 April 2002
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
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FSC - 04	Date : 21-23 May 2003
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC - 05	Date : 1-3 June 2004

FSC - 06	Date : 8-10 June 2005
	Venue: OECD Headquarters, Château de la Muette, PARIS
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FSC - 07	Date : 6-8 June 2006
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
Cross-fertilization from other areas: Talk on "I Prof. Y. Luginbühl (Univ. Paris I – Panthéon-Sorb	
FSC PHASE III BRAINSTORMING	Date : 13-14 December 2007
WORKSHOP	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
PANEL: FEEDBACK FROM OBSERVERS	
The Symbolic Dimension Prof. B. Mral (Örebro University, Sweden)	
*FSC - 09	Date : 4-6 June 2008
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
	l .

THE SYMBOLIC DIMENSION

1. Symbols, frames, texts: The symbolic dimension of radioactive waste management A. Vári (Academy of Sciences, Hungary)

In discussion a member stated that symbols are related to emotion and emotion is highly responsive to symbols. Radioactive waste provides many symbols to stakeholders and it is valuable to learn how they are perceived and understood, and how we can obtain better knowledge of these symbols.

2. Experience with "text mining"

Y. Kobayashi (TEPSYS, Japan)

The text mining methodology was applied to a public meeting transcript. The purpose was not to highlight contradictions in stakeholder discourse, but rather, to e.g. train facilitators in helping people develop a meaningful discussion about radioactive waste in moderated meetings. For this reason the text mining sought out moderator statements that had been followed in the meetings by the longest, most elaborated exchanges, and analysed why they had that effect.

FSC – 10	Date : 15-17 September 2009
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE SYMBOLIC DIMENSION

Chair: R. Yearsley (Environment Agency, UK); Rapporteur: C. Mays (OECD NEA)

1. Finalising the first phase: Report on "The Symbolic Dimension"

Claudio Pescatore (OECD NEA)

A desk study summarizes the learning of the FSC (publication in English and French).

2. The Framing of Radioactive Waste Risk: A Comparative Analysis (CARL thematic report)

E. Atherton on behalf of D. Kos and M. Polič (University of Ljubljana, Slovenia) & N. Železnik (ARAO, Slovenia)

The report gives some consideration to the evolution in peoples' minds of links between nuclear power, new build and radioactive waste. Discussion noted that there appears to be some disengagement by NGOs at this time from the portrayal of RW as "the insoluble problem" of nuclear power, perhaps in light of climate change concerns.

*FSC – 11	Date: 14 & 16 September 2010 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
*10-YEAR ANNIVERSARY COLLOQUIUM	Date: 15 September 2010 Venue: OECD Conference Centre, Paris

PLACING THE FSC IN CONTEXT

1. The FSC: A contribution to understanding between technicians and civil society C. Massart (Artist, Belgium)

"The FSC has performed work of critical value for the ongoing dialogue between cultures across time. Everyone knows that radioactive waste has taken its place in the archaeological stratum of the 21st century, but it's another story to accept this and moreover, to create a forum for elaborating this 'archive' ..."

2. FSC lessons: Are they specific to RWM?

F. Gonzalez-Hermosilla, Anális y Investigatión S.A. (Spain)

In the past decade the FSC has explored a dozen important themes and identified recommendations for improving societal confidence in our management of radwaste. Are these reasonable, operational recommendations? Can they be applied – and are they being applied – in other practical situations?

FSC THEME 7

FSC Knowledge Consolidation and Transfer

FSC - 01	Date : 28-31 August 2000
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
	<u> </u>
FSC - 02	Date : 17-18 January 2001
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
Discussion of draft FSC strategic	c document
The general goals and working nThe practical implications	nethodology
FSC - 03	Date : 24-26 April 2002
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
in the next two years. FSC - 04	Date: 21-23 May 2003
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
The FSC Outcome Document	
Overview of the Outcome Docume - Brief consideration of a Short Br	ent - present version, outstanding comments and needs; ochure
FSC - 05	Date : 1-3 June 2004
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux
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FSC Phase-1 Brochure	

the self evaluation.

FSC - 06	Date : 8-10 June 2005
	Venue: OECD Headquarters, Château de la Muette, PARIS

Outreach and Dissemination of FSC information

The FSC remarked that this is an important area and that the outreach concept will need to be developed further:

- 1-to-2 page summaries would be useful
- a few slides on FSC would be good for FSC members to bring with them on their travels
- Who are our target audiences?

*FSC - 07	Date : 6-8 June 2006
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

THE FSC OUTREACH CONCEPT, INCLUDING A PROPOSED FLYER ON THE FSC AND A NEW TABLE FOR COLLECTING COUNTRY INFORMATION

The FSC Group on Communication and Outreach has been working on a first flyer illustrating the FSC and its operations ("Identity" flyer). A second flyer will illustrate the lessons learnt in a specific area: Stepwise Decision Making.

*FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

DOCUMENTATION OF LESSONS LEARNT THOUGH FLYERS OR SHORT (2-PAGE) DOCUMENTS

In order to make FSC resources better known and more widely accessible, a set of user-friendly flyers or short documents is being developed.

FSC	PHASE	III	BRAINSTORMING	Date : 13-14 December 2007
WORI	KSHOP			Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

FSC IDENTITY, VISIBILITY AND KNOWLEDGE TRANSFER

- 1. Memories and key learning points from the personal perspective of a former FSC member S. Chandler (EA, UK)
- 2. Uses of FSC materials and/or expectations for future FSC initiatives by various communities/constituencies
 - Academia (R. W. Scholz, ETH, Switzerland)
 - Stakeholder organisations (F. Barker, NuLeaf, UK; K. Nilsson, E. Englund, Oskarshamn & Osthammer, Sweden)
 - Government-appointed committees (J. Whang, Y. Hwang, Korea)
 - Cognate projects internationally (CARL; COWAM.) (E. Atherton, NDA, UK; C. Mays, Symlog, France)
- 3. Flyers for visibility and knowledge transfer: A recognized addendum to the modus operandi J. Kotra (NRC, USA)

At this date, the FSC had published the Identity Flyer and the Principles flyer. By the year 2010 (date of the present compilation) the FSC boasted 7 flyers in several languages (English, French, Spanish, Japanese...) all available online at http://home.nea.fr/rwm/fsc.

PANEL: FEEDBACK FROM OBSERVERS

Knowledge Transfer

A. Vári (Hungarian Academy of Sciences)

Professor Vári, who has long encouraged the FSC to take a "step back" with the help of theoretical frameworks for understanding, notably suggested that FSC conducts "participatory descriptive research". She pointed to international examples: to CARL as a comparable model or approach, to KASAM hearings as "participatory prescriptive research", and to COWAM in Practice as "participatory action research".

FSC – 9	Date : 4-6 June 2008
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

*FSC – 10	Date: 15-17 September 2009
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

FLYERS: STATUS; PRIORITY CANDIDATES FOR NEW FLYERS

A *Spanish* version of existing flyers is now available on the public *FSC* website. Useful work by Hideki Sakuma, for the Japanese version and Wei-Whua Loa means that we will soon have Japanese and Chinese (simplified and traditional) versions online as well.

*FSC – 11	Date : 14 & 16 September 2010	
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	

FLYERS and LEVERAGED REPORTS

The present document was proposed: FSC 10-year Record of Learning, a factual list of FSC activities and investigated topics, and of people who contributed to them.

*10-YEAR ANNIVERSARY	Date: 15 September 2010
COLLOQUIUM	Venue: OECD Conference Centre, Paris

JOINT ASSESSMENT OF THE FSC AS A FRAMEWORK FOR LEARNING

3. The FSC Framework – Feedback and analytic view

M. O'Connor, U. de Versailles-St.-Quentin (France)

The FSC has used a variety of approaches to explore and deepen reflection on RWM themes. How singular is the FSC approach in the stakeholder confidence panorama? How specific is its methodology of learning? What does the FSC experience teach us about improving mutual learning among institutional actors and other stakeholders?

The FSC List of Contacts was also consulted by questionnaire before the Colloquium on the FSC approaches: what particular learning resulted, and for whom?

4. Surfing the FSC

J. Lezaun, Institute for Science, Innovation and Society, University of Oxford

The web site of the Forum on Stakeholder Confidence is a repository of accumulated knowledge. The FSC has published 12 major reports and 16 proceedings of topical sessions and workshops, as well as flyers condensing the lessons learnt. All are available to the public, most via free download from www.oecd-nea.org/fsc. A scholar surveys this literature to give a picture of what is there, what it means, and perhaps what is missing...

INVITED TALKS ON SELECTED INTERNATIONAL ACTIVITIES

*FSC - 01	Date : 28-31 August 2000	
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	

INAUGURATION

1. The Objectives of the FSC and the first Workshop

Y. Le Bars (President of ANDRA, France) Introduction of the workshop is given.

2. Ten years of siting studies and public dialogue: the main lessons learnt at SKB

C. Thegerström (SKB, Sweden)

The "guidelines" and the ten-years' experiences in siting the **CLAB**, for interim storage of spent fuel, the **SFR**, for disposal of L/ILW, and **Äspö**, the Hard Rock Characterisation Laboratory gained by SKB is addressed.

3. The view and needs of implementers

A. Hooper (Nirex, UK)

Only when programmes move into a site-specific phase do non-technical stakeholders appear to take an active interest. It is thus a challenge to find ways of involving stakeholders early.

Of special concern is the link between achieving a repository for radioactive waste and the future of nuclear power. This link – whatever it is in each country – must be spoken of openly and clarified.

4. The view and needs of regulators

A. Nies (Federal Ministry for Environment, German)

Independence, competence and effectiveness are essential foe public confidence in the regulator. The regulator's role and responsibilities must thus be clearly defined, and separated from nuclear energy policy and promotion.

5. The perspective from a host community

T. Carlsson (Mayor of Oskarshamn, Sweden)

On the learning process of a potential host community, giving insight on how multilateral partnership has developed.

The Oskarshamn experience illustrates the working of a national system for dialogue...

Each partner needs to have a clearly defined and well-communicated role both for the national dialogue and under the EIA framework.

6. The experience and viewpoint of a legislator and policy-maker

C. Bataille (Assemblée Nationale, France)

The present generation must take responsibility for the choice made, for left unmade. Localities should receive economic resources upon entering the (potential) host community role. It is clear that the debate on waste disposal is important to the debate on the future use of nuclear energy.

7. A country perspective and experience

P. Brown (Ministry for Natural Resources, Canada)

The key concerns uncovered by an 8-year review of a deep geological disposal concept had been addressed.

Today's science and knowledge can meet the challenge of building technically safe radioactive waste disposal facilities for spent fuel and high-level waste. Safety, however, must be viewed also from a social perspective.

- A single choice of management is not acceptable a priori.
- The preferred concept should maximise the freedom of choice of future generations while minimising burdens.

FSC - 02	Date : 17-18 January 2001	
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	

1. Overview of EC-sponsored activities related to civil society

G.-N. Kelly (EC)

The EC sponsors "Framework" research programmes that have a duration of approximately four years. Framework programme 5 (FP5) is currently underway, and FP6 is being planned. Three projects under FP5 were summarised: TRUSTNET II, COWAM, and RISCOM II. TRUSTNET II consists of a network of 60-70 regulators, industry representatives, academics, and NGOs that hold seminars on different topics related to risk governance. The overall objectives of TRUSTNET II are to characterise and evaluate different decision-making processes for governance of hazardous activities and to develop practicable recommendations for improving existing arrangements. COWAM is also structured as a network and will hold four seminars. Its objective is to develop practicable recommendations for improving decision-making on the siting of waste disposal facilities. If successful, COWAM will create a sustainable network where stakeholders can share experiences. RISCOM II comprises 12 partners (regulators, industry, and academics) from five countries. Its objectives are transparency in nuclear waste programmes, means for better public participation, and input to improving decision processes in the EU. The RISCOM transparency model is the core of the project, and workshops will be held to present the project results to the outside world.

2. Special presentation on IAEA activities

K. Bragg (IAEA)

FSC - 03	Date: 24-26 April 2002 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	
1. EC-sponsored activities related to civil society S. Webster(EC)		
FSC - 04	Date : 21-23 May 2003	
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	
1. The final COWAM seminar (G. Heriard-Dubreuil (Mutadis	Cordoba, March 2003)	
`	Cordoba, March 2003)	

S. Webster (European Commission)

Both programmes came under the 5th Euratom framework programme. "Communities and Waste

Management", COWAM, coordinated by Mutadis, identified areas for improving governance in RWM. RISCOM-II, coordinated by SKI, was more theoretical. "Transparency" was the most important concept worked out by RISCOM. Important issues are how to set up a national debate and how to address the relation between the national and local dimensions. J. Lang-Lenton noted this was one reason to create a specifically Spanish project named "Cowam Spain".

2. Other initiatives or events - The CARL initiative

E. Atherton (NDA, UK)

The CARL project involves three countries' stakeholders. It relies also on hand-in-hand work amongst researchers and practitioners. It was indicated that CARL was still open for joining, and discussions had also taken place with the NEA.

FSC - 06	Date : 8-10 June 2005	
	Venue: OECD Headquarters, Château de la Muette, PARIS	

1. OECD Activities Related to Civil Society

M. Dissly (OECD)

At OECD level more and more committees are consulting with civil society. It took a few years, and now it constitutes a fairly important input. Impact has been very important in some cases, e.g., for the group on export credits, whose work affects projects that are run in developing countries. With Civil Society Organisations (CSO) they worked out a list of minimum criteria on environmental impact for giving these credits. There is now better respect amongst parties.

2. European Commission – Research under the 6th Framework Programme (COWAM-2) S. Webster (EC)

The annual seminar was held in Berlin in 2004; the 2005 one will be in Slovenia. COWAM-2 is doing research in addition to networking. COWAM-2 has also gone through its first annual review and has been approved for further funding.

3. European Commission – Eurobarometre 2005

W. Hilden (EC)

The first appraisal of the responses given by 24708 citizens of 25 EU Member states to a set of 15 questions has been presented. There is an increase in trust in international organisations, NGOs and independent scientists. In EU a clear consensus exists that radwaste management is a cross border issue that needs harmonisation.

4. The CARL project

H. Ahagen (Oskarshamn, Sweden)

CARL is a three-year project studying the effects of stakeholder participation on decision-making on RWM in Belgium, Sweden, Slovenia and the UK. Information on the project can be found on the website: www.carl-research.org.

5. The COWAM-Spain project

J. Lang-Lenton (Enresa, Spain)

The COWAM-Spain project examines bottom-up approaches to decision making on siting in Spain and aims at defining a reference approach. It is driven by mayors. In the first phase, a mapping of stakeholders and legal actors was made as well as the definition of criteria for a social representation commission to be nominated by government.

FSC - 07	Date : 6-8 June 2006
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

1. The Swedish KSO

R. Palmqvist (Mayor of Kävlinge, KSO Chairman, and President of GMF)

KSO started in 1977 and it is the association of Swedish municipalities with nuclear facilities. Its members are: Kävlinge, Nyköping, Varberg, Oskarshamn and Östhammar.

2. CARL

E. Atherton (NDA, UK)

CARL is funded by participating countries, mostly implementers, with some support by NWMO and a researcher in Finland (Tampere University). The objective has been to get insights from stakeholder involvement (SI) and integrate research and networking activities. The researchers have been working with the local communities and going through the literature. Country studies show that changes came from a traumatic event. Research topics include Stakeholder networks; from government to governance. Because they are mostly from university they are seen as independent; their bluntness has also gained them the trust of the locals.

3. COWAM-2

L. Steinerová (RAWRA, Czech Republic)

COWAM-2 is an EC-sponsored cooperative research programme. It functions through a partnership between stakeholders and research-contractors to exchange experience and deepen knowledge about themes identified as important by the stakeholders. The contract-bound consortium draws from 19 skilled institutions whereas the Stakeholders reference group covers 12 European countries (and Japan) and includes a large proportion of local stakeholders. COWAM-2 includes work packages on: 1) Local democracy and participatory assessment techniques, 2) Local influence on the national process, 3) Quality of decision-making processes, 4) Long-term governance. These meet twice a year, with one dedicated meeting and a collective Annual Seminar.

FSC - 08	Date : 6-8 June 2007
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

1. COWAM in Practice

C. Mays (Symlog, France)

COWAM in Practice (CIP) is the third edition of the EC sponsored research forum "Communities and Waste Management". This three-year programme (2007-09) sets up National Stakeholder Groups in France, Slovenia, Spain, Romania and the UK. In six meetings each will explore perspectives and expectations for inclusive RWM governance. They will be aided by National Facilitators and a task force providing research input on request. Their learning will be published in the form of Europe-27 Guidelines. CIP information will be available through the COWAM portal: www.cowam.com (or www.radwastegovernance.eu).

2. The CARL project

A. Bergmans (Un. of Antwerp, Belgium)

The FSC members have been invited to attend the final seminar reviewing the 3-year progress of CARL. The seminar was held in Oskarshamn, Sweden, from Sept 25 to Sept 27, 2007.

3. European Commission – Eurobarometre 2007

W. Hilden (EC)

In 2006 the first Special Eurobarometre on Nuclear Safety was conducted in order to study citizens' perception of nuclear energy as regards nuclear knowledge, information, risk perception and trust and the expected role of the European Commission in this area. The intention is to repeat the study at three-yearly intervals in order to measure trends and further improve decision-making. See the full

report at: http://ec.europa.eu/public_opinion/archives/ebs/ebs_271_en.pdf	
FSC - 09 Date: 4-6 June 2008	
Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	

1. European Commission – 2008 Eurobarometer on Waste

G. Bruno (EC)

The survey involved a face-to-face questionnaire of 27,000 people across EU-27. The wording of questions was dictated by the need to carry out a comparison to the 2005 Barometer. The report will be available at http://europa.eu.

2. European Commission – European Nuclear Energy Forum - Topic Transparency G. Bruno (EC)

The European Nuclear Energy Forum includes three working groups: opportunities, risks, transparency. Members have found that "making information accessible" (as per the Aarhus Convention) usually requires more than "publishing information". At a microlevel in organisations it can be useful to organize multidisciplinary task teams around a topic that will be of interest to stakeholders, and to nurture and enhance the training of scientists/technicians who show an aptitude/taste for interacting with the public. It may be easier to carry out communication of science in the future as this will be on the university curriculum of scientific studies.

3. COWAM 2 – "Roadmap for Local Committee Construction"

C. Mays (Symlog, France)

The Roadmap contains ten chapters on practical organisation of a local committee. It can be downloaded from www.cowam.org (see also www.radwastegovernance.eu)

4. The CARL project – "Wanting the Unwanted: Effects of Public and Stakeholder Involvement..."

E. Atherton (NDA)

CARL was a three-year project studying the effects of stakeholder participation on decision-making on RWM in Belgium, Sweden, Slovenia and the UK. The report cited is a summary of transversal lessons learned from case studies in the four countries and from thematic reports. One of those thematic reports will be of interest to the FSC, for Theme 6 in particular. It is a study of framing, or how radioactive materials and waste have been represented in society across the decades (written by D. Kos, M. Polic & N. Železnik, Slovenia).

FSC – 10	Date: 15-17 September 2009
	Venue: OECD Nuclear Energy Agency, Issy les Moulineaux

1. OBRA – What a "European Observatory for Long Term Governance on RWM" might provide M. Martell (Amphos 21, Spain)

The OBRA EU-sponsored programme brought together a multidisciplinary network of radioactive waste management agencies, concerned stakeholders and the academic research community, in order to assess the feasibility of a primarily web-based observatory. www.obraproject.eu

2. COWAM In Practice – Draft Guidelines for Inclusive Governance of RWM in Europe C. Mays (Symlog, France)

The EU part-sponsored programme Cowam in Practice (CIP) is in its integration phase and guidelines are under development. These are "thematic" and "process" messages identified by participants through cooperative research on the themes of 1) Affected Communities and Sustainable Territorial Development; 2) Structuring Local Communities for engagement in RWM governance; 3) Long term issues for sustainable governance of RWM. Reports, summaries and guidelines will be available

online at the end of this year. www.cowam.com

3. European Nuclear Energy Forum – European Workshop on the Practical Implementation of the Aarhus Convention in the Nuclear Domain (June 2009)

B. Okra (NEA Legal Affairs)

Ten years ago the Aarhus Convention was signed and the EU Committee of the Regions passed a resolution on Nuclear Safety and Local and Regional Democracy. This workshop was proposed and organized by ANCLI (French Association of Local Information Committees) to take stock of progress and difficulties in implementation. Cases included e.g., local partnerships for waste management, EIA for new or extended facilities, and post-incident follow-up. Broad representation was achieved among stakeholders in terms of nationality, institutional role, and attitude towards nuclear power. "Pluralistic roundtables" were proposed as a continuing follow-up in national context.

*FSC – 11	Date: 14 & 16 September 2010 Venue: OECD Nuclear Energy Agency, Issy les Moulineaux	

*10-YEAR ANNIVERSARY COLLOQUIUM

Date: 15 September 2010

Venue: OECD Conference Centre, Paris

PLACING THE FSC IN CONTEXT

The FSC: Spread of Knowledge Y. Le Bars (YLB Conseil, France)

The FSC was an unusual initiative in 2000, the culmination of a trend within the NEA and the RWMC. The founding chair will review the early years of the FSC and the transfer to other fields of the learning and experience of the FSC; he will also share the feedback he received.

ANNEX 1

FSC NATIONAL WORKSHOPS AND COMMUNITY VISITS

2000 Paris Workshop

Proceedings of the FSC Launch Workshop "Stakeholder Confidence and Radioactive Waste Disposal", Paris, France, 28-31 August 2000

2001 Finland Community Visit and Workshop (Finland)

Proceedings of the Workshop "Stepwise Decision Making in Finland for the Disposal of Spent Nuclear Fuel", Turku, Finland, 15-16 November 2001

Finland Community Visit and Workshop:

Executive Summary and International Perspective

Stepwise decision making with stakeholder involvement

Case Study: The Government's Decision in Principle on the final disposal facility for spent nuclear fuel in Eurajoki

2002 <u>Canadian Community Visit and Workshop</u> (Canada)

Proceedings of the Workshop "Public Confidence in the Management of Radioactive Waste: The Canadian Context", Ottawa, Canada, 14-18 October 2002

Canadian Community Visit and Workshop

Summary and International Perspective

Social considerations and development opportunities

Case Study 1: The clean-up of low-level radioactive contaminated lands in Port Hope

Case Study 2: Federal legislation: The Nuclear Fuel Waste Act

2003 Belgian Community Visit and Workshop (Belgium)

Proceedings of the Workshop "Dealing with Interests, Values and Knowledge in Managing Risk", Brussels, Belgium, 18-21 November 2003

Belgian Community Visit and Workshop

Summary and International Perspective

Interests, values and knowledge in managing risk

Case Study: Local partnership methodology for the long-term management of low-level radioactive waste; its application in Fleurus-Farciennes, Mol and Dessel

2004 <u>Disposal of Radioactive Waste: Forming a New Approach in Germany</u> (Germany)

FSC Workshop Proceedings, Hitzacker and Hamburg, Germany, 5-8 October 2004

German Community Visit and Workshop

Summary and International Perspective

Re-orientation of the radioactive waste management site selection strategy

Case Study: The Gorleben high-level waste and spent nuclear fuel repository project and a new national site selection process

2005 Spanish Community Visit and Workshop (Spain)

Proceedings of the Workshop "Radioactive Waste Management in Spain: Co-ordination and Projects", L'Hospitalet de l'Infant, Catalonia, Spain, 21-23 November 2005

Spanish Community Visit and Workshop

Executive Summary and International Perspective, L'Hospitalet de l'Infant, Catalonia, Spain, 21-23 November 2005

Stakeholder interactions between the local and national levels

Case Study 1: National policy for central long-term storage of spent nuclear fuel

Case Study 2: The decommissioning of the nuclear reactor Vandellós-I

2006 Regional Development and Community Support for Radioactive Waste Management (Hungary) Synthesis of the FSC National Workshop and Community Visit, Tengelic and Bataapati, Hungary, 14-17 November 2006

Regional development and community support

Case Study 1: The role of local public oversight and information associations.

Case Study 2: Confidence aspects in the acceptance of the Bátaapáti repository

2009 <u>Radioactive Waste Repositories an Host Regions: Envisaging the Future Together</u> (France) Synthesis of the FSC National Workshop and Community Visit, Bar-le-Duc, France, 7-9 April 2009

Repositories and host regions: Envisaging the future together

Case Study: Territorial development and local expectations for a potential repository in the Meuse/Haute-Marne

2011 Sweden: *Workshop in preparation*

Actual Implementation of a Spent Nuclear Fuel Repository: Seizing Opportunities

Case study: Östhammar and Oskarshamn municipalities on the eve of the construction of the Swedish national repository for spent nuclear fuel

ANNEX 2

PERSONS WHO HAVE SERVED ON THE FSC CORE GROUP AS OF 2010

The list is presented in alphabetical order.

- M. Aebersold (BfE, Switzerland)
- E. Atherton (NDA, UK)
- P. Brown (NRCan, Canada) (*Chair*, 2005-2007)
- T. Eng (SKB, Sweden)
- J. Facella (NWMO, Canada)
- S. Farin (Andra, France)
- B. Hedberg (The Swedish National Council for Radioactive Waste, Sweden)
- J. Kotra (US NRC, United States) (Chair, 2007-present)
- J. Lang-Lenton (Enresa, Spain)
- Y. Le Bars (Andra, France) (Chair, 2000-2005)
- C. Létourneau (NRCan, Canada)
- M. Molina (Enresa, Spain)
- G. Ouzounian (Andra, France)
- J. Redgrove (NDA, UK)
- C. Ruiz-López (CSN, Spain)
- T. Seppälä (Posiva, Finland)
- E. Simic (The Swedish National Council for Radioactive Waste, Sweden)
- M. Takeuchi (NUMO, Japan)
- M. Westerlind (SSM, then SKB, Sweden)

The OECD/NEA Secretariat was represented by personnel of the Division of Radiological Protection and Waste Management:

- C. Mays (Consultant)
- C. Pescatore (Deputy Head)
- H. Riotte (Head)

ANNEX 3

LIST OF FSC PUBLICATIONS AND HYPERLINKS

www.oecd-nea.org/fsc

Document Type	Titles	NEA References
	Background Documents	
Background to the FSC 2001 Free	Strategic Directions of the RWMC Forum on Stakeholder Confidence	NEA/RWM/FSC(2001)2/REV2 www.oecd- nea.org/html/rwm/docs/2001/rwm- fsc2001-2-rev2.pdf
Background to the FSC 2010 Free	Phase-3 Programme of Work (2010 and beyond)	NEA/RWM/FSC(2010)1 www.oecd- nea.org/rwm/docs/2010/rwm- fsc2010-1.pdf
	Study reports	
Proceedings 2000 Free	Stakeholder Confidence and Radioactive Waste Disposal - Inauguration, First Workshop and Meeting of the NEA Forum on Stakeholder Confidence in the Area of Radioactive Waste Management. Paris, France, 28-31 August 2000.	www.oecd- nea.org/html/rwm/reports/2000/ne a2829.pdf
FSC Study 2003 Free	Public Information, Consultation and Involvement in Radioactive Waste Management Informer, consulter et impliquer le public dans la gestion des déchets radioactifs	ISBN 92-64-02128-0 www.oecd- nea.org/html/rwm/reports/2003/ne a4430-publicinfo.pdf (bilingual edition)
FSC Study 2003 Free	The Regulator's Evolving Role and Image in Radioactive Waste Management Image et rôle des autorités réglementaires dans la gestion des déchets radioactifs	ISBN 92-64-02142-6 www.oecd- nea.org/html/rwm/reports/2003/ne a4428-regulator-role.pdf ISBN 92-64-02143-4 www.oecd- nea.org/html/rwm/reports/2003/ne a4828-aut-reg.pdf
FSC Study 2004 Free	Learning and Adapting to Societal Requirements for Radioactive Waste Management – Key Findings and Experience of the Forum on Stakeholder Confidence Comprendre les attentes de la société dans la gestion des déchets radioactifs et s'y adapter - Enseignements principaux et	ISBN 92-64-02080-2 www.oecd- nea.org/html/rwm/reports/2004/ne a5296-societal.pdf ISBN 92-64-01080-7 http://www.oecd-

Document Type	Titles	NEA References
	expériences du Forum sur la confiance des parties prenantes	nea.org/html/rwm//reports/2006/nea5297-societe.pdf
FSC Study 2004 <i>Free</i>	Stepwise Approach to Decision Making for Long-term Radioactive Waste Management – Experience, Issues and Guiding Principles La prise de décision par étapes dans la gestion à long terme des déchets radioactifs – Expérience, résultats et principes directeurs	ISBN 92-64-02077-2 www.oecd- nea.org/html/rwm/reports/2004/ne a4429-stepwise.pdf ISBN 92-64-01055-6 http://www.oecd- nea.org/html/rwm/reports/2005/ne a6039-decision-etapes.pdf
FSC Study 2004 Free	Stakeholder Involvement Techniques - A Short Guide and Annotated Bibliography Favoriser la participation des parties prenantes: Guide pratique des outils et bibliographie annotée	ISBN 92-64-02087-X www.oecd- nea.org/html/rwm/docs/2004/rwm- fsc2004-7.pdf ISBN 92-64-01074-2 http://www.oecd- nea.org/html/rwm/reports/2005/ne a6040-parties-prenantes.pdf
FSC Study 2004 Free	The mental models approach to risk research: A radioactive waste management perspective	NEA/RWM/FSC(2004)7/REV1 www.oecd- nea.org/html/rwm/docs/2004/rwm- fsc2004-7-rev1.pdf
Report 2006 Free	What We Heard within WPDD on Stakeholder Involvement in Decommissioning, 2001-2004: A Compilation of Papers	NEA/RWM/WPDD(2006)6 http://www.oecd- nea.org/html/rwm/docs/2006/rwm- wpdd2006-6.pdf
Report 2006 Free	Stakeholder Involvement in Decommissioning Nuclear Facilities: International Lessons Learnt Implication des parties prenantes dans le déclassement des installations nucléaires : Enseignements internationaux	ISBN: 978-92-64-99011-1 http://www.oecd- nea.org/html/rwm/reports/2007/ne a6320-stakeholder.pdf ISBN 978-92-64-99012-8 http://www.oecd- nea.org/html/rwm/reports/2007/ne a6321-parties-prenantes.pdf
FSC Study 2007 Free	Fostering a Durable Relationship Between a Waste Management Facility and its Host Community; Adding Value through Design and Process Créer un lien durable entre une installation de gestion de déchets et sa collectivité d'accueil: Valeur ajoutée à travers la conception et les processus	ISBN 978-92-64-99015-9 http://www.oecd- nea.org/html/rwm/reports/2007/ne a6176-fostering.pdf ISBN 978-92-64-99016-6 http://www.oecd- nea.org/html/rwm/reports/2007/ne a6177-lien.pdf
FSC Study 2007 Free	Cultural and Structural Changes in Radioactive Waste Management Organisations - Lessons Learnt.	ISBN 978-92-64-99036-4 http://www.oecd- nea.org/html/rwm/reports/2007/ne a6180-cultural.pdf

Document Type	Titles	NEA References
	Changements culturels et organisationnels dans les organismes de gestion des déchets radioactifs - Enseignements tirés	ISBN 978-92-64-99037-1 http://www.oecd- nea.org/html/rwm/reports/2007/ne a6181-culturel.pdf
FSC Study 2010 For Sale	Partnering for Long-term Management of Radioactive Waste. Evolution and Current Practice in Thirteen Countries Partenariats pour la gestion à long terme des déchets radioactifs. Évolution et pratique actuelle dans treize pays	ISBN 9789264083707 www.oecdbookshop.org/oecd/disp lay.asp?CID=&LANG=EN&SF1= DI&ST1=5KMMPQ5RRZ6B ISBN 9789264083714 www.oecdbookshop.org/oecd/disp lay.asp?CID=&LANG=EN&SF1= DI&ST1=5KMMPQ5P12S7
FSC Study 2010 Free	More than Just Concrete Realities: The Symbolic Dimension of Radioactive Waste Management Au-delà des seules réalités concrètes : la dimension symbolique de la gestion des déchets radioactifs	ISBN: 978-92-64-99105-7 http://www.oecd- nea.org/rwm/reports/2010/nea686 9-symbolic.pdf ISBN: 978-92-64-99106-4 http://www.oecd- nea.org/rwm/reports/2010/nea687 0-symbolique.pdf
	National Workshops	
Document Type	Titles	NEA References
Proceedings 2000 Free	Proceedings of the FSC Launching Workshop "Stakeholder Confidence and Radioactive Waste Disposal - Inauguration, First Workshop and Meeting of the NEA Forum on Stakeholder Confidence in the Area of Radioactive Waste Management", Paris, France, 28-31 August 2000	http://www.oecd- nea.org/html/rwm/reports/2000/ne a2829.pdf
Summary 2002 Free	Finland Community Visit and Workshop: Executive Summary and International Perspective	NEA/RWM/FSC(2002)1 www.oecd- nea.org/html/rwm/docs/2002/rwm- fsc2002-1.pdf
Proceedings 2002	Stepwise Decision Making in Finland for the Disposal of Spent Nuclear Fuel. Workshop Proceedings - Turku, Finland - 15-16	ISBN 92-641-9941-1
For Sale	November 2001	www.oecdbookshop.org/oecd/disp lay.asp?sf1=identifiers&st1=6620 02161P1
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