

## CALL FOR ABSTRACTS

Submission of abstracts (1 page maximum) is invited by September 14th 2012.

Selected authors will be required to submit a (4 to 10 pages) paper.

Instructions for authors are available on the conference website.

### ► OFFICIAL LANGUAGE

 English will be the working language for the oral and written communications of the conference.

### ► PUBLICATION

Draft programme available November 2012.

Final programme and abstracts will be available through the conference website and provided to attendees at the conference.

Proceedings will be produced as an EC publication shortly after the conference.

## PRACTICAL INFORMATION AND REGISTRATION

### ► VENUE

European Commission, Jean-Monnet Building  
Luxemburg-Kirchberg.

### ► CONFERENCE FEE

There will be no conference fee.  
Advance registration will be required.

### ► REGISTRATION

November 2012 → Registration opens  
February 15, 2013 → Registration deadline  
19 – 21 March 2013 → Conference and workshop

### ► KEY DATES

September 14, 2012 → Abstract submission deadline  
October 15, 2012 → Author notification  
November 16, 2012 → Draft paper submission deadline  
December 14, 2012 → Papers reviewed  
February 15, 2013 → Final paper submission deadline

## MONITORING IN GEOLOGICAL DISPOSAL OF RADIOACTIVE WASTE:

“OBJECTIVES, STRATEGIES, TECHNOLOGIES AND PUBLIC INVOLVEMENT”

### An international conference and workshop

Organised by the MoDeRn EURATOM Project and the European Commission.

With special support from the OECD Nuclear Energy Agency.  
Hosted by the European Commission.

### ► PROGRAMME COMMITTEE

**European Commission** - Christophe Davies (Project officer)  
**Andra (FR)** - Stefan Mayer (Project coordinator)  
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**Enresa (ES)** - Juan Carlos Mayor  
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## WEBSITE



Detailed information concerning programme, registration, instructions for abstract/paper submission, transport and accommodation is available through the conference website.

<http://www.modern-fp7.eu/Monitoring-GDRW-2013/>



AN INTERNATIONAL CONFERENCE  
AND WORKSHOP  
19-21 MARCH 2013, LUXEMBOURG



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ANNOUNCEMENT-CALL FOR ABSTRACTS

[www.modern-fp7.eu/monitoring-GDRW-2013](http://www.modern-fp7.eu/monitoring-GDRW-2013)

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## BACKGROUND

Long-lived radioactive waste must be safely contained and isolated for very long periods. Current programmes for its long-term management are focused on disposal in deep geological repositories. A successful implementation strategy for radioactive waste disposal should address both technical and societal needs. Monitoring is considered key in addressing these needs. It underpins the technical safety strategy and quality of the engineering design, contributes to public and stakeholder understanding of repository processes and adds confidence to the geological disposal programme.

To further develop this aspect of repository development, the European Commission is co-financing the MoDeRn (Monitoring Developments for Safe Repository Operation and Staged Closure) project within its seventh Euratom Framework Programme ([www.modern-fp7.eu](http://www.modern-fp7.eu)). MoDeRn project members represent:

- ▶ Organisations responsible for radioactive waste management in nine EU countries, Switzerland, the US and Japan
- ▶ Organisations offering relevant technical monitoring expertise, and
- ▶ Organisations offering relevant social science expertise on how technology and society interact, and on finding ways for diverse stakeholders (e.g. citizens, civil society, experts, technical safety organisations, industry) to engage with highly technical issues.

The overarching motivations for monitoring are to support confidence building and to inform staged decisions in the management of the disposal process. While several main monitoring objectives are pursued – to support environmental impact assessments, to support operational safety, to support nuclear safeguards – special attention is focused on the need to support evaluations of barrier performance as the basis for long term safety and to evaluate the options available to the stepwise management of the disposal process.

## CONFERENCE AND WORKSHOP OBJECTIVES

The objective of the conference is twofold: (i) to present and discuss the results of the MoDeRn Project; (ii) to invite further contributions and provide a forum for discussion on how monitoring informs the disposal process, responds to regulatory requirements, and contributes to enhancing confidence in and acceptance of geological disposal of radioactive waste.

The associated workshop will provide an opportunity for further, in-depth discussions on the conference topics and to investigate whether a shared understanding of repository monitoring can be developed.

## MAIN TOPICS

The conference focuses on monitoring activities to support evaluations of barrier performance as the basis for long term safety. The overall understanding of monitoring and its potential role in the disposal process will be presented and discussed in light of expected monitoring needs, associated technical requirements, the current state of art of monitoring technology and its future potential and limitations.

**Abstracts are invited on the following themes:**

### *Theme 1: Implementers perspective*

- ▶ Monitoring objectives and associated processes and parameters: Why, when and what to monitor; relevance and potential importance in supporting the basis for safety.
- ▶ Monitoring examples and case studies: To illustrate potential implementation of a repository monitoring programme.

### *Theme 2: The wider perspective*

- ▶ Monitoring and societal expectations: How monitoring responds to legal and regulatory frameworks and guidelines; how regulations are developed; and how monitoring contributes to developing stakeholder confidence.

### *Theme 3: Feasibility and limitations*

- ▶ Monitoring technologies: Feasibility and limitations: Technical requirements, challenges and potential solutions; state of the art; and in situ demonstrators.

## PRELIMINARY PROGRAMME

### ▶ Day 1 (PM) - Tuesday 19 March 2013

🕒 13:00	Open	Welcome
	Keynote	Monitoring and long term safety – Past and current views
		MoDeRn project overview: A reference framework for developing a monitoring program
	Theme 1	Monitoring – Implementers perspectives: Programmes and case studies on repository monitoring
🕒 Early evening		Poster session & Buffet reception

### ▶ Day 2 - Wednesday 20 March 2013

🕒 AM	Theme 2	Monitoring – The wider perspective: Regulatory and stakeholder viewpoints
	Theme 3	Monitoring technologies: Feasibility and limitations
	Close	General conference conclusions
🕒 PM	Workshop (parallel)	Parallel sessions on selected conference topics

### ▶ Day 3 (AM) - Thursday 21 March 2013

🕒	Workshop (plenary)	Reports from parallel sessions and discussions
		Converging and diverging views on repository monitoring
	Close	General workshop conclusions