

# NEA INTEGRATION GROUP FOR THE SAFETY CASE (IGSC) SYMPOSIUM 2018

## CURRENT UNDERSTANDING AND FUTURE DIRECTION FOR THE GEOLOGICAL DISPOSAL OF RADIOACTIVE WASTE

10-11 October 2018 (optional site tour: 12 October 2018), Rotterdam, Netherlands

### ANNOUNCEMENT

#### Background

Over the past five years, major developments have taken place in a number of national programmes for the geological disposal of radioactive waste. Significant experience has been obtained both in preparing and reviewing safety cases for the operational and long-term safety of deep geological repositories (DGRs). Some countries are approaching the industrial implementation of a geological disposal and are, therefore, increasingly focusing on the feasibility of constructing and operating a repository that is safe and secure in the short and long term. New insights are also available concerning the basis for regulations and the challenge of communicating highly technical information to a wide range of stakeholders.

The NEA Integration Group for the Safety Case (IGSC) has been organising a series of symposia focusing on the development of a competent and robust safety case since 2007, in co-operation with other international organisations. The first symposium, "Safety Cases for the Deep Disposal of Radioactive Waste: Where Do We Stand?", and the second, "State of the Art", took place in 2007 and 2013, respectively. The purpose of the 2018 symposium is to determine and document achievements since 2013, to share good practices and consider future direction.

#### Scope

The symposium will focus on the technical aspects of the safety case for the post-closure phase of DGRs. The interplay of technical feasibility, engineering design issues, operational and post-closure safety and non-technical challenges such as safety case communication will be explored.

#### Aims

The main aim will be to share practical experiences on preparing, developing, documenting and reviewing a safety case from both the implementers' and reviewers' perspectives. Others will include:

- to learn from national programmes about issues concerning the siting, construction, operation and post-closure phases;
- to identify potential challenges that may arise as a repository programme matures and the safety case moves to represent an actual facility and inventory;
- to understand different players' perspectives on safety case communication, i.e. implementers, regulators and communities;
- to exchange useful information for developing work programmes through international co-operation.

#### Attendees

The symposium is open to individuals concerned with the geological disposal of radioactive waste, including implementers, regulators, technical and social science researchers, and interested stakeholders.

#### Registration

A registration fee of 300 euros will be payable by each participant. The special registration fee for students is 200 euros. Registration fees include coffee during the breaks, lunches and the conference dinner.

Enquiries about the conference should be sent to [igsc2018symposium@oecd-nea.org](mailto:igsc2018symposium@oecd-nea.org). For additional information, please visit [www.oecd-nea.org/rwm/workshops/igsc2018](http://www.oecd-nea.org/rwm/workshops/igsc2018).

#### Venue and site tour

The IGSC Symposium 2018 will take place on board of the SS Rotterdam (a stationary former cruise ship) in Rotterdam. Information for the site tour is available on the event web page.

#### Programme Committee

BAILEY Lucy	RWM (UK)	OTSUKA Ichiro	NEA
CIAMBRELLA Massimo	NEA	PEAKE Tom	EPA (USA)
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KWONG Gloria	NEA	VERHOEF Ewoud	COVRA (NL)
LI Jinfeng	NEA	WOLLRATH Jürgen	BGE (DE)
NGUYEN Son	CNSC (CA)		

#### Programme

- 1 Opening remarks
- 2 **Keynote lectures** – Safety cases in the Netherlands applied to DGRs and other facilities  
*Development of the safety case in the Netherlands*  
*A safety case for a petroleum facility in the Netherlands*
- 3 **Safety case and siting**
- 4 **Safety case and licensing**
- 5 **Keynote lecture** – Safety case in non-nuclear RWM facilities
- 6 **Safety case and non-technical stakeholders**  
*Conference dinner with poster session*
- 7 **International developments since 2013**
- 8 **Parallel sessions**  
*Technical, regulatory and societal issues for the safety case*
- 9 **Panel discussion**
- 10 Closing remarks

#### Call for abstracts

Abstracts (300-500 words) are solicited for both the oral presentations and the poster session. The programme committee will notify the authors of the acceptance of the abstracts for the oral presentation or poster session. Abstracts must be submitted through the conference website; please visit the site for full instructions. The deadline for abstracts is 30 April 2018. If they are accepted, full papers (3-7 pages) must then be submitted by **31 August 2018** **14 September 2018**. They will be published in the final proceedings of the symposium.

#### Key dates (updates)

31 January 2018	Registration opens
30 April 2018	Deadline for abstract submission (300-500 words)
6 July 2018	Notification to authors of abstract acceptance for oral presentation or poster session
20 July 2018	Registration closes
31 July 2018	Final programme issued
14 September 2018	Final full paper submission (3-7 pages)
10-11 October 2018	Symposium 2018