

1st Announcement

Workshop on Sitting and Licensing of Fast Neutron Reactors



ICN, Mioveni, Romania, November 18-20, 2015



Goal

The workshop will cover all aspects involved in siting and licensing process of Generation IV (GenIV) demonstrators and will provide a platform for discussions and exchange ideas between students, young professionals and specialists on siting, safety and licensing issues.

General context

The existing regulations were developed based on technology experience of GenII and III reactors, and for most of the countries, the licensing framework and procedures have remained unchanged in the last years.

In the attempt to use the existing regulatory framework for licensing of advanced reactor systems also, it was internationally recognised that due to technical complexity of advanced reactors, and the fact that the operational systems of GenIV reactors are substantially different from the currently operational ones, the available licensing options may be inappropriate for GenIV systems.

GenIV demonstrators are an important cornerstone on the way to commercial stage for GenIV reactors. Implementation of demonstrator projects involves performing licensing and siting activities, each of these bringing new specificities in the process.

Like any new elements, these activities require specific investigations relating to:

- Adequacy of current licensing framework for new technology such as GenIV systems;
- Types of testing, and demonstration activities necessary to convince regulators and all other stakeholders on the feasibility of technology;
- New types of tools, rules and procedures necessary to implement the new technology;
- The level of resources needed for preparatory and implementation phases.

Topics

- Short and medium term needs concerning siting and licensing
- Specific requirements for site identification and characterization with respect to GenIV
- Licensing requirements for GenIV demonstrators
- Safety aspects of GenIV demonstrators and their impact on licensing
- Preliminary Safety Report aspects
- Preparation for Environmental accord
- Public involvement in decision-making
- Challenges in licensing GenIV demonstrators
- Competence building – needs and approaches

A synthesis of the workshop will be prepared and the presentations will be uploaded on the ESNII+ website.

To whom it's addressed

The workshop is addressed to students, young professionals, specialists and any project participants who are interested and who are or will be involved into the following related activities for GenIV reactors:

- Licensing
- Sitting
- Safety analyses

Participants from regulatory authorities, as well as from their scientific and technical support organizations, research institutes and consulting companies are welcome.

Fluent English is required.

Venue

RATEN ICN

Institute for Nuclear Research

Str. Campului no.1, Mioveni, Arges, 115400

ROMANIA

Fees

The training is free of charge for all participants.

Contact information and registration

To apply for participation, please contact us before the **10th September 2015** and we will send you the registration form.

Any questions related to workshop should be addressed by e-mail to mirela.nitoi@nuclear.ro

Do not hesitate to contact us if you need further information. We are looking forward to seeing you in Romania.

NOVEMBER, 19				
		Sessions/PresentationsTitle	Organisation	Lecturer
8.30		Welcome	ICN	Ilie Turcu
		Introduction		
8.40		Introduction WP5	CEA	Christian Latgé
8.50		Sitting & Licensing Workshop	ICN	Mirela Nitoi
		Demonstrator projects description		
8.55	SFR	ASTRID project: description and status	CEA	Alfredo Vasile
9.20	LFR	ALFRED description	ANSALDO	Michele Frignani
9.45	GFR	ALLEGRO description	UJV	Ladislav Belovski
		BREAK 10.10-10.25		
		Licensing and sitting requirements		
10.25	GFR	Views and requirements for ALLEGRO	VUJE	Branislav Hatala
10.50	SFR	Regulatory procedure & public enquiry in France	CEA	Vincent Delcroix
11.15	LFR	Views and requirements for ALFRED	CNCAN	Elena Dinca
		PANEL - Safety report aspects		
11.40		SARGEN 4 view on safety assessments	IRSN	Tbc
11.05		Safety report aspects	ICN	Mirela Nitoi
		Discussions		
		LUNCH 12.30-14.00		
		Challenges in Licensing		
14.00	LFR	CITON experience in sitting of a nuclear facility	CITON	Rodica Nicolae
14.25	SFR	Environmental impact from SFRs	CEA	Christian Latgé
15.50	LFR	Public participation in nuclear DMP	ICN	Marin Constantin
		BREAK 16.15 – 16.35		
		Challenges in Licensing (cont)		
16.35	LFR	Megapie target: Licensing issues prior to operation and decommissioning	PSI	Knud Thomsen
17.00	GFR	Sitting & Licensing in Hungary	MTA	Szabina Torok
17.25	SFR	Status of ASTRID safety approach	CEA	Alfredo Vasile
		18.00 End of the first day		
		NOVEMBER, 20		
		Challenges in Licensing (cont)		
8.30	LFR	Licensing framework for the MYRRHA facility	SCK-CEN Mol	Bernard Neerdael
8.55	GFR	UK experience with licensing of CO2 cooled reactors	NNL	Richard Stainsby
9.20	GFR	ESS He Cooling System design & safety considerations	ESS	Per Nilsson
		Competence building – needs and approaches		
9.45		New tools for competences management	JRC	Mihail Ceclan
10.10		Necessary competences for GenIV reactors	ICN	Daniela Gugiu
		BREAK 10.35 – 10.50		
10.50		Discussions		
11.50		Closing session	ICN and CEA	