

NKS-R Call for Proposals 2016

20 proposals for NKS-R activities were received before the deadline on October 15th. Of these, 8 were applications for continuation of ongoing activities.

The numbers of proposals submitted under the NKS-R areas of interest are as follows:

Area of Interest	No. of Proposals	Total budget for proposals under area of interest
Thermal hydraulics	1	672 kDKK
Severe accidents	2	1285 kDKK
Reactor physics	1	607 kDKK
Risk analysis	9	3148 kDKK
Organisation and safety culture	5	2330 kDKK
Decommissioning and radwaste	0	0
Plant Life Management and extension	2	500 kDKK

The total amount requested was **8542 kDKK** from an expected budget of **3500 kDKK**.

NKS-B Call for Proposals 2016

19 proposals for NKS-B activities were received before the deadline on October 15th. Of these, 1 was an application for continuation of an ongoing activity.

The numbers of proposals submitted under the NKS-B areas of interest are as follows:

Area of Interest	No. of Proposals	Total budget for proposals under area of interest
Emergency Preparedness	10	3355 kDKK
Measurement Technology and Strategy	3	1290 kDKK
Radioecological Assessments	6	2164 kDKK
Waste and Discharges	0	0

The total amount requested was **6809 kDKK** from an expected budget of **3500 kDKK**.

Recent Seminars

NKS-B NORCOP-COAST

Workshop on nuclear icebreaker traffic and transport of radioactive materials along the Nordic coastline: response systems and cooperation to handle accidents

13-14 October 2015, Tromsø, Norway

Relevant authorities and other organisations from Norway, Finland, Denmark, Sweden and Iceland were invited to a 2-days workshop in Tromsø, Norway in order to discuss:

- Existing emergency preparedness systems in case of accidents along the Nordic coastline with the involvement of nuclear icebreakers, radwastes and spent nuclear fuel;
- Possible scenarios and capabilities in each countries (resources, mobile services, decision support systems, models, etc.);
- Notification procedures;
- Interactions between countries.

The overall objective was to improve knowledge on existing systems and capabilities in each country and to discuss interaction and procedures between countries in case of accidents.

Target group: all the relevant state authorities and organisations from Nordic countries responsible for emergency preparedness, monitoring and radiation protection in case of accidents in the marine environment with the involvement of radioactive substances.

Presentations from the workshop are available [here](#).

Activity coordinator was Anna Nalbandyan, Norwegian Radiation Protection Authority, Tel.: +47 77750163; E-mail: anna.nalbandyan@nrpa.no.

NKS-B NUFORNOR

Seminar on analytical techniques for nuclear forensics in Nordic countries with focus on novel techniques

5-6 October 2015, Oslo, Norway

Relevant authorities and other organizations from Norway, Finland, Denmark, Sweden and Iceland were invited to a 2-days seminar in Oslo, Norway in order to discuss:

- Requirements and challenges related to setting up and run nuclear forensics systems
- Analytical techniques for nuclear forensics in Nordic countries with focus on novel techniques
- Quality assurance within nuclear forensics
- International cooperation within nuclear forensics

The goal of the seminar was to provide information on the necessity and suitability of novel analytical techniques within Nordic nuclear forensics as well as exploring possibilities for collaboration across institutions and borders within the Nordic countries.

Target group: all the relevant state authorities and organizations from Nordic countries with involvement in nuclear forensics or interest in analytical techniques applicable within nuclear forensics.

Presentations from the seminar are available [here](#).


Activity coordinator was Ole Christian Lind, CERAD CoE, Norwegian University of Life Sciences, Tel.: +47 92432406; E-mail: olelin@nmbu.no.

NKS-R MODIG and PLANS

Joint workshop on reliability analysis and safety demonstration of digital I&C

29-30 September 2015, Espoo, Finland

MODIG (Modelling Of DIGital I&C) project aimed at developing a consensus approach for a reliability analysis of a plant design with digital I&C, including improved integration of probabilistic and deterministic approaches in the licensing of digital I&C. PLANS (Planning Safety Demonstration) project aimed at providing detailed guidance on selected topics of safety demonstration and planning for digital I&C

systems in NPPs by building upon existing guidance and models for safety justification. Notes from the meeting can be found here:  [modigplans_workshop_2015092930_notes_u001.pdf](#) (619.7 KB)

For further information, please contact jan-erik.holmberg@riskpilot.fi or vikash.katta@ife.no.

NKS-B FAUNA

Workshop on the use of meteorological uncertainty estimates for decision making during a nuclear emergency

10 September 2015, Copenhagen, Denmark

The workshop addressed real-time forecasting of atmospheric dispersion and deposition of radionuclides released from a nuclear installation. Meteorological uncertainties can be large and lead to uncertain atmospheric dispersion model predictions, even in the case where the radionuclide source term is known. Within the NKS-B MUD and FAUNA projects, methods for deriving and presenting these uncertainties have been developed and investigated, and the implications for decision support have been addressed.

The workshop, which was aimed at experts, model developers and decision makers, opened discussions on operational uses of uncertainty estimates. There were 28 participants. The workshop shed light on the new possibilities for presenting real-time uncertainties for decision support and provided valuable feedback from decision makers to the further model development and implementation in current decision support systems.

Presentations from the workshop are available [here](#).

The activity leader was Jens Havskov Sørensen at DMI (jhs@dmi.dk).

New Publications

The following NKS-B reports are available free of charge: Download by clicking the appropriate link.

NKS-351	Oct. 2015	Kasper G. Andersson, Erica Brewitz, Sigurður M. Magnússon, Mika Markkanen, Finn Physant, Jelena Mrdakovic Popic, David Garf Ulfbeck: An overview of current non-nuclear radioactive waste management in the Nordic countries and considerations on possible needs for enhanced inter-Nordic cooperation	NCM Waste	View document
NKS-352	Nov. 2015	M. Dowdall, Yu. Bondar, P. Fristrup, K. Guðnason, M. Granström, A. Hedman, C. Israelson, G. Jónsson, S. Kjerulf, S. Juul Krogh, A. Muring, B. Moller, A. Tyler, A. Varley, V. Zabrotski: Advanced In-situ Gamma Spectrometry Field Activity – Chernobyl (GAMFAC)	GAMFAC	View document
NKS-353	Dec. 2015	Mark Dowdall, Jan Erik Dyve, Steen Cordt Hoe, Anna Maria Blixt Buhr, Ali Hosseini, Justin Brown, Gísli Jónsson, Patric Lindahl, Hrafn Guðmundsson, Sara Barsotti, Synnöve Sundell-Bergman: Nordic Nuclear Accident Consequence Analysis (NORCON): Final Report.	NORCON	View document