
Extra NKS-B Call for Proposals 2009

11 proposals for NKS-B activities were received before the deadline on March 13th.

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

Emergency preparedness (proposed: 4 activities, 1060 kDKK in total)

Measurement technology and strategy (proposed: 2 activities, 635 kDKK in total)

Radioecological assessments (proposed: 2 activities, 493.8 kDKK in total)

Waste and discharges (proposed: 3 activities, 990 kDKK in total)

The total amount requested is **3178.8 kDKK** from an available budget of **1640 kDKK**

NKS-R and NKS-B Joint Summary Seminar

NKS held a NKS-R and NKS-B Joint Summary Seminar in Stockholm on March 26-27. The seminar was attended by around 50 participants, including 5 young scientists who were sponsored by NKS. Presentations were given on the following NKS-R and NKS-B activities:

NKS-R activities

AutoNewTech

The usefulness of automation - a human factors view of control room operator work

ExCoolISE

Ex-vessel coolability and energetics of steam explosions in BWR

IACIP

Improving Accuracy of the Calculation of In-core Power Distributions for Light Water Reactors - Verification of the Method for a PWR at BOL, Hot-Standby

MOSACA

Safety culture - dimensions and evaluation

NROI

Radiolytic oxidation of iodine in containment conditions

PODRIS

Importance of inspection reliability assumptions on piping failure probability estimates

Pool

Experiments and modeling of pressure suppression pools

RiskEval

Interpretation and Risk Evaluation of Technical Specification Conditions

SafetyGoal

NKS-B activities

BIODOS

Biodosimetry application in emergency preparedness

BIOPEX

Emergency preparedness exercise for biological dosimetry

GammaRate

Safe use of Portable gamma radiation ratemeters for environmental monitoring

GAPRAD

Filling knowledge gaps in radiation protection methodologies for non-human biota

HOT

Radioactive particles in a Nordic context

LUCIA

Assessing the impact of releases of radionuclides into sewage systems in urban environment - simulation, modelling and experimental studies

NORDRISK

Nuclear risk from atmospheric dispersion in Northern Europe

PardNor

Parameters for ingestion dose models for Nordic areas

REIN

Probabilistic Safety Goals for Nuclear Power Plants

Regional differences in reindeer radiocaesium contamination

StratRev

Stratification issues in the primary system

REMSPEC

Analysis of remotely accrued complex gamma ray spectra – proficiency test

WASCO

Wire system ageing assessment and condition monitoring

SPECIATION

Speciation analysis of radionuclides in the environment

Werisk

Climate extremes in changing climate

URBHAND

Decision support handbook for remediation of contaminated inhabited areas

Presentations can be viewed on the NKS webpage [here](#).

Proceedings of the seminar, containing extended abstracts of the presentations will be published on the NKS web site shortly.

Forthcoming Seminars

NKS-B GammaSem seminar

Nordic seminar for users of gamma spectrometry to be held September 16-17 at Kjeller, Norway.

Registration deadline is Monday 1st of June 2009

Organised by the Institute for Energy Technology (IFE), Risø National Laboratory for Sustainable Energy, Denmark; Radiation and Nuclear Safety Authority (STUK), Icelandic Radiation Protection Institute, National Institute of Radiation Protection, Denmark

The GammaSem seminar will provide a forum for discussions and sharing of information on practical issues concerning gamma spectrometry and establishing a network of users of gamma spectrometry in the Nordic countries. This network will aim to strengthen Nordic collaboration through networking of scientists and gamma spectrometry users, improving competence in practical gamma spectrometry.

The seminar will aim to cover topics based on the participants' own experience in gamma spectrometry with emphasis on common problems/challenges often encountered. A list of such relevant topics might include:

- Uncertainties
- Detection limits
- Coincidence summing
- Libraries
- Monte Carlo
- Methods for calibrations and correction
- Density correction, self-absorption
- Experience with different software
- Different need for different users of gamma spectrometry
- Common geometries
- Experience with different detectors
- Quality assurance and accreditation,
- Intercomparisons
- Training
- Experience with unusual samples and/or spectra
- Electric vs N2 cooling

In addition, Dr. Gordon Gilmore will give a presentation with the preliminary title "Does our software tell us the truth (or should we burn the Black Box)?". The presentation will aim at encouraging users not to trust their spectrum analysis programs uncritically.

Proposals for presentations within the scope of the seminar are very welcome. Abstracts (Maximum 500 words) should be sent to Paula Nunez (paulan@ife.no) by 21st of August 2009.

More information on this seminar can be downloaded [here](#).

The seminar webpage can be viewed [here](#).

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New publications

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

NKS-188	March 2009	Mark Dowdall: <i>Analysis of remotely accrued complex gamma ray spectra – proficiency test.</i>	REMSPEC	Abstract	Full text
NKS-187	March 2009	Justin Brown and Runhild Gjelsvik (editors): <i>Filling knowledge gaps in radiation protection methodologies for non-human biota - Final summary report.</i>	GAPRAD	Abstract	Full text
NKS-186	March 2009	Carita Lindholm et al: <i>Emergency preparedness exercise for biological dosimetry - BIOPEX (2008).</i>	BIOPEX	Abstract	Full text
NKS-185	March 2009	Sven P. Nielsen and Kasper G. Andersson (editors): <i>PardNor - PARAmeters for ingestion Dose models for NORdic areas. Status report for the NKS-B activity 2008.</i>	PardNor	Abstract	Full text
NKS-184	March 2009	Sven P. Nielsen and Kasper Andersson (editors): <i>EcoDoses. Improving radiological assessment of doses to man from terrestrial ecosystems: A status report for the NKS-B activity 2006.</i>	EcoDoses	Abstract	Full text

This NewsLetter together with additional information on NKS and its activities can be found on www.nks.org.

The NKS Secretariat can be contacted on nks@nks.org.

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