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## Upcoming Seminars

### **NKS-B MareNuc**

**Nordic workshop for authorities, organisations and institutions relevant for assessing health and environmental consequences of accidents and incidents involving nuclear-propelled vessels and floating power reactors**

**22<sup>nd</sup> – 23<sup>rd</sup> of April 2010, The Culture House, Reykjavík, Iceland**

**Registration deadline has been extended to Friday the 16th of April**

Assessing the consequences of an accident in a nuclear powered submarine or ship has been difficult for civilian authorities, since much of the required information on the source term is classified. In recent years more and more information has become publicly available. The aim of the workshop, and a follow-up seminar to be held in Denmark in late summer, is to assess the available data and to seek a consensus on how they can be best used assessing the consequences of an accident in a naval nuclear reactor.

Experts from the Nordic Countries, the IAEA and USA have now registered for the workshop. The target groups for the workshop are experts handling issues related to managing health and environmental consequences of reactor accidents, assessing the development of nuclear navies and Nordic cooperation on issues related to reactor safety and emergency preparedness.

Special hotel rates of € 80 per night (including breakfast) were available for workshop participants. These may still be obtained, but anyone considering participation should contact the local organiser, Sigurður Emil Pálsson, [sep@gr.is](mailto:sep@gr.is), as soon as possible.

For more information on the events and the initiative as a whole, please contact the coordinator of the activity, Ole Reistad, [ole.reistad@nrpa.no](mailto:ole.reistad@nrpa.no), tel. +47 67 16 25 00.

More information on the NKS-B MareNuc activity, the workshop programme and related documents can be obtained from <https://www.gr.is/nks-b/marenucl/>

### **NKS-B DepEstimates**

**Seminar on radionuclide deposition estimates, results from work in the Nordic countries, possibilities and limitations**

**5<sup>th</sup> - 6<sup>th</sup> of May, 2010, Reykjavík, Iceland**

The experience of the deposition from the Chernobyl accident and the atmospheric testing of nuclear weapons is fading into the past, most of the deposition monitoring programmes have stopped or been radically reduced, few are now actively conducting studies in this field. Deposition estimates continue, however, to be important, e.g. for emergency response planning. Estimation of background values is important for assessing potential additional deposition. When a suspected event occurs, there may be no background measurements available and even if they are, they may be too few to be representative for the place or region of concern.

The estimates of global fallout have often been based on the UNSCEAR compilation of fallout data, where the deposition has been summarised according to latitude bands. The papers on which the UNSCEAR compilation is based warn however against the use of the compilation as a model for a specific place or area. They stress that other factors must be used for such modelling, such as precipitation.

In recent years databases with compilation of nuclear fallout data have become available. Studies on fallout and deposition have been made in some of the Nordic countries, e.g. using precipitation as a basis for deposition estimates. The NKS-B activity DepEstimates has followed up the some of this Nordic work.

At the DepEstimates seminar in Reykjavík the results of the studies within DepEstimates will be presented as well as the studies that have been done in individual Nordic countries. One of the products of DepEstimates that will be presented is a simple model for assessing deposition based on precipitation data, but also taking latitude effects into account as well as dry deposition. The usefulness and limitations of these models for assessing deposition will also be discussed at the seminar.

The target group for the seminar are those working with deposition studies as well as those dealing with emergency preparedness, where assessing deposition is an important factor.

The exact dates during week 18 are being fixed in consultation with the key speakers.

For updated information please contact the co-ordinator, Sigurður Emil Pálsson, [sep@gr.is](mailto:sep@gr.is) and/or visit the website: <https://www.gr.is/nks-b/depeestimates>

## **NKS-B GammaSem**

### **Nordic seminar for users of gamma spectrometry**

**28th - 29th September 2010, Kjeller, Norway**

**Registration deadline is Monday 1st of June 2010**

Organised by the Institute for Energy Technology (IFE), Risø National Laboratory for Sustainable Energy, Denmark; Radiation and Nuclear Safety Authority (STUK), Icelandic Radiation Safety Authority, National Institute of Radiation Protection, Denmark, Norwegian Radiation Protection Authority, Swedish Defence Research Agency, Malmö University Hospital, Sweden.

A Nordic seminar for users of gamma spectrometry will take place in Norway 28-29 September 2010. The seminar is the second seminar of this type and provides a forum for discussions and sharing of information on practical issues concerning gamma spectrometry. The first seminar was held in 2009 and was attended by 75 participants from 34 organisations. One of the aims of the seminars is to strengthen the Nordic collaboration through networking of scientists and gamma spectrometry users.

At GammaSem 2009 different key issues for follow-up were identified and working groups were established on various aspects of gamma spectrometry. The topics for the working groups will form the basis for the GammaSem 2010 agenda, where the groups will present results of their work and ideas/solutions to the different problems. The working groups topics are

- Uncertainties and detection limits
- True coincidence summing corrections
- Monte Carlo simulations and efficiency transfer
- Absorption (density corrections and geometries)
- Mobile systems for gamma spectrometry
- Nuclear forensics (on special samples and special parts of the spectra)

In addition, Dr. Lars-Erik De Geer will give a presentation about the fundamentals of true coincidence summing correction and when/why it is important.

Proposals for presentations within the scope of the seminar are very welcome. Abstracts (Maximum 500 words) should be sent to Elisabeth Strålberg ([elisas@ife.no](mailto:elisas@ife.no)) by 20<sup>th</sup> of August 2010.

Further information on the seminar, how to register and how to submit an abstract can be found [here](#):

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This NewsFlash together with additional information on NKS and its activities can be found on [www.nks.org](http://www.nks.org).  
The NKS Secretariat can be contacted on [nks@nks.org](mailto:nks@nks.org).  
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