

Summary Report from the NKS Board Meeting in Stockholm, January 13-14, 2016

Change of Programme Manager for the NKS-B Programme

NKS expressed its sincere thanks to Karin Andgren for all her work, enthusiasm and cooperation as the NKS-R Programme Manager over the last two years and NKS would like to wish Karin good luck and every success in her career in the years ahead.

NKS warmly welcomes Emma Palm from the Swedish Radiation Safety Authority (SSM) as the new NKS-R Programme Manager. Emma has been employed by SSM since 2013 where she mainly works as an analyst in thermal hydraulics and with the research projects sponsored by SSM. Emma has a PhD in physics from Lund University with a thesis in nuclear structure physics.

For all issues concerning the NKS-R programme please contact Emma at (emma.palm@ssm.se) (Tel. +46 (0) 8 799 40 41).

Call for Proposals 2016

NKS would like to thank all the applicants for proposals submitted to the NKS-R and NKS-B Call for Proposals 2016. The NKS board was impressed by the number and quality of the proposals received for funding under the NKS-R and NKS-B programmes. The successful proposals are listed below.

NKS-R Budget Decisions for 2016

The following activities have been awarded funding.

Activity Type	Activity Name	Activity Topic	Activity Leader	Funding (kDKK)
Plant life management and extension	BREDA_RPV	Study of mechanical and microstructural properties of irradiated trepan samples from the RPV at Barsebäck 2	Pål Efsing, KTH	400
Thermal hydraulics	COPSAR	Containment Pressure Suppression Systems Analysis for Boiling Water Reactors	Markku Puustinen, LUT	500
Severe accident	SPARC	Scenarios and phenomena affecting risk of containment failure and release characteristics	Pavel Kudinov, KTH	600
Org. & safety culture	SC_AIM	Safety culture assurance and improvement methods in complex projects	Teemu Reiman, VTT	410
Risk analysis	ADdGROUND	Modelling as a tool to augment ground motion data in regions of diffuse seismicity	Ludovic Fülöp, VTT	500
Reactor physics	HYBRID	Development of hybrid neutron transport methods and data	Christophe Demazière, Chalmers	500

Risk analysis	FIREBAN	visualisation tools Determination of fire barrier's reliability for fire risk assessment in NPP	Patrick van Hees, LU	450
Risk analysis	L3PSA	Addressing off-site consequence criteria using Level 3 PSA	Andrew Wallin Caldwell	140
IN TOTAL				3500

NKS-B Budget Decisions for 2016

The following activities have been awarded funding.

Activity Type	Activity Name	Activity Topic	Activity Leader	Funding (kDKK)
Emergency Preparedness	MOMORC	Mobile search of material outside of regulatory control	Christopher Rääf, Lund university	525
Emergency Preparedness	NISI	Nordic in situ gamma intercomparison	Alexander Muring, NRPA	225
Measurement Strategy, technology, QA	GAMMASPEC	Seminars for users of gamma spectrometry	Sven Nielsen, DTU	395
Emergency Preparedness	MESO	Meteorological uncertainty of short-range dispersion	Jens Havskov Sørensen, DMI	375
Radioecological assessments	NORCO	Nordic Cosm Pilot Study	Tanya Helena Hevrøy, NRPA	435
Measurement Strategy, technology, QA	NORDIC ICP	Nordic development and exploration of inductively coupled plasma spectrometry	Jixin Qiao, DTU	420
Emergency Preparedness	EFMARE	Effects of dynamic behaviour of Nordic marine environment to radioecological assessments	Per Roos, DTU	395
Emergency Preparedness	COASTEX	Scenarios and table top exercise concept on events related to traffic of nuclear-powered vessels and transportation of spent fuel along the Nordic coastline	Inger Margrethe Eikermann, NRPA	330
Emergency Preparedness	NORDUM	Intercomparison of Nordic unmanned aerial monitoring platforms	Kasra Tazmini, NRPA	400
IN TOTAL				3500

NKS Seminar – Nordic perspectives of Fukushima: Where are we now and where do we go?

The seminar was held on the 12th and 13th of January, 2016, at Vattenfall in Stockholm, Sweden. The seminar addressed a wide range of nuclear safety and emergency preparedness related topics, covering results of recent NKS activities, as well as analyses and recommendations from other renowned experts. A total of 26 presentations were given, and the seminar had 100 participants. The speaker list included prominent international experts like Christopher Clements (ICRP), Ted Lazo (OECD/NEA) and Lyn Bevington (IAEA). It is hoped that the outcome of the seminar will show the way for new proposals for future NKS work and follow-up on relevant issues in reactor safety and emergency preparedness.