

Summary Report from the NKS Board Meeting, Teams, January 26, 2022

Call for Proposals 2022

NKS would like to thank all the applicants for proposals submitted to the NKS-R and NKS-B Call for Proposals 2022. The NKS board was impressed by the 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 2022

The following activities have been awarded funding.

Activity Type	Activity Name	Activity Topic	Activity Leader	Funding (kDKK)
Plant Life Management and Extension	BREDA 2022	Barsebäck RPV trepan studies	Pål Efsing, KTH	500
Plant Life Management and Extension	FEMMA	Dissimilar Metal Welds studies	Zaiqing Que, VTT	500
Severe accidents	STATUS	Source Term And Timing Uncertainty in Severe accident	Anders Riber Marklund, Vysus Group	600
Plant Life Management and Extension	WPS-MAF	Study of the margin against the fracture for reactor pressure vessels subjected to pressurized thermal shock transients utilizing the warm pre-stressing effect: Development of general probabilistic model for cleavage fracture, numerical implementation and experimental validation	Tobias Bolinder, Kiwa Inspecta	475
Severe accidents	ORTEF	Organic Telluride formation During a Severe Nuclear accident	Christian Ekberg, CTH	550

Decommissioning and management of nuclear waste and spent fuel	POSEIDON	Position-sensitive detectors for nuclear fuel imaging	Peter Dendooven, HIP	362
IN TOTAL				2987

NKS-B Budget Decisions for 2022

The following activities have been awarded funding.

Activity Type	Activity Name	Activity Topic	Activity Leader	Funding (kDKK)
Emergency Preparedness	SOCHAOTIC	Source Characterization accounting for meteorological uncertainties	Jens Havskov Sørensen, DMI	485
Emergency Preparedness	COMBMORC	Combined analysis of primary and scattered components in mobile gamma spectrometric data for detection of materials out of regulatory control	Christopher Rääf, Lund U.	507
Measurement Strategy, technology, QA	RESINA	Intercomparison exercise on alpha radionuclide analysis in spent ion exchange resin	Anumaija Leskinen, VTT	364
Radioecology	ECOFOOD	Adaptation of FDMT to the Nordic conditions	Rodolfo Avila, AF Consult	505
Measurement Strategy, technology, QA	NORDICNANO	Implementing NanoSIMS as an analytical technique within nuclear sciences in Nordic countries	Aurélien Thomen, Göteborg U.	480
Radioecology	BIOAPP	Application of biokinetic parameters for some representative accident cases based on state of the art modelling	Mikhail Iosjpe, DSA	582
Emergency Preparedness	NUPFLIGHT	Potential release scenarios from flight testing of nuclear-powered flying vehicles	Anders Axelsson, SSM	146
Emergency Preparedness	RNSARCARDS	Operationalization of RAD and SAR cooperation in RN rescue operations	Øyvind Aas-Hansen, DSA	389
IN TOTAL				3458

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