

## **Recent Nordic research collaboration results obtained under the NKS-B programme**

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The Nordic countries have throughout decades shared a regional research and development program on nuclear reactor safety and emergency preparedness: NKS. Its results have received great recognition and have been integrated in state-of-the-art tools over the world, e.g., for emergency preparedness and response management. The presentation provides information on recent results from the NKS-B programme, which comprises the topics emergency preparedness, radioecology, and measurement technologies and strategies, e.g., also in waste management and decommissioning. Although the Fukushima accident did not lead to any radiological consequences in the Nordic region, it taught a number of important lessons of generic nature that can further strengthen and secure future maintenance of the Nordic region's capability to effectively respond to such events, and have since been addressed in NKS activities. Studies of radioecological challenges under NKS-B are by no means restricted to accident scenarios, but also comprise for example aspects of naturally occurring radioactive material (NORM). Among the recent measurement activities in NKS are a series of efforts to secure that Nordic laboratories are able to measure a series of 'difficult-to-measure' radionuclides (including alpha emitters) in for example decommissioning waste, which has become a challenge shared by Denmark, Finland, Norway and Sweden. Over the latest 5 years, a total of 48 topical NKS-B projects have been carried out, comprising organization of 23 exercises, workshops or seminars. All results of these activities are freely available in reports on the NKS website.