

NKS-B Status Report
Kasper G. Andersson
NKS-B Programme Manager

Overall the work in NKS-B is progressing well

- Since last NKS-B status report
 - *6 final reports published on website and 1 received but on request not yet published*
- Delayed activities (from before 2018)
 - *None*
- Activities commencing in 2018
 - *7 (of 8) completed, 1 nearing completion (NORCO II)*
- Activities commencing in 2019
 - *All 8 contracts signed, work on schedule*

Final reports published on NKS website (since last Board Meeting):

- RADWORKSHOP final report 2018
- AVESOME final report 2018
- MOMORC final report 2016 (now published in journal form)
- AUTOMORC final report 2017 (now published in journal form)
- NANOD final report 2018
- OPTIMETHOD final report 2018

- AUTOMORC report 2018 approved but not published (journal paper)

NORCO II

Activity leader – Tanya Hevrøy (DSA)

- Progress report received on 8 April, with partial deliverables: survey of possibilities to construct relevant laboratory in Finland, and preliminary experimental results from Sweden/Norway.
- More time needed to reach the final experimental deliverables. About half of the samples have not yet been analysed due to now solved analytical facility problems. New report date set at 16 August 2019.
- They are working on a journal paper on the results, and say this will be submitted in the early autumn too.
- Budget 460 kDKK.

NKS-B Seminars 2019

None

NKS-B CfP 2020

A large number of selected potential activity leaders will again this year be contacted (in May-June), urging them to send in proposals.

Will follow up on this systematically in the autumn when the CfP is announced.

May be useful to ask for Board members' assistance also this year.

Lobbying for CfP2020 will also be done at NSFS 2019.

Presentation at NSFS next week (12 June):



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

Kasper G. Andersson^{1,2*}, Christian Linde^{1,3}, Sigurður M. Magnússon^{1,4} and Finn Physant^{1,5}

¹ NKS, Roskilde, Denmark

² Technical University of Denmark, DTU Nutech, Roskilde, Denmark

³ Swedish Radiation Safety Authority, Stockholm, Sweden

⁴ Icelandic Radiation Safety Authority, Reykjavik, Iceland

⁵ FRIT, Roskilde, Denmark

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.

Initial preparations for R/B NKS Seminar in 2022

- Wide or narrow theme (suggestions)?
- Venue
Finlandshuset, Stockholm (?)
- Potential program committee members (new faces)?

