

Status and beyond  
NKS-R programme

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NKS-R Programme Manager (until Thursday)



# NKS – Nordic Nuclear Safety Research

- Has for decades supported Nordic co-operation in nuclear safety research
- To strengthen the Nordic networks an activity should have 3 Nordic countries (at least 2).



# Owners and co-financiers

## Owners and Main Financiers

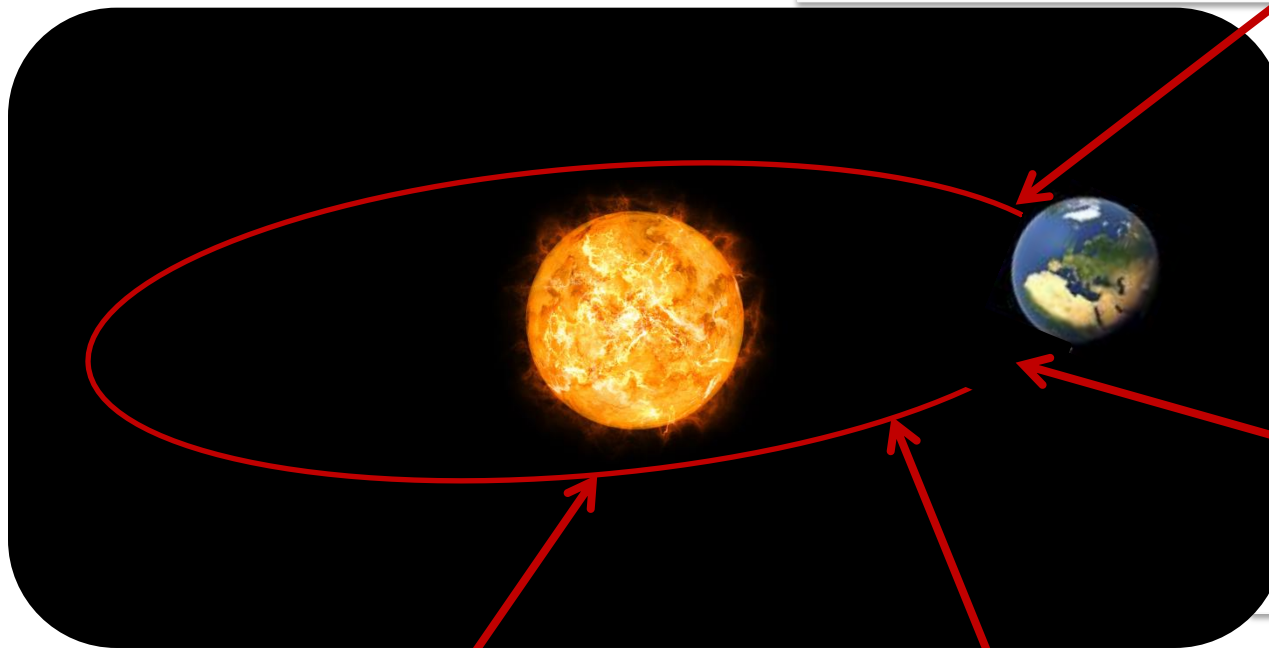


## Co-financiers



# The NKS year

Funding decision at board meeting in January

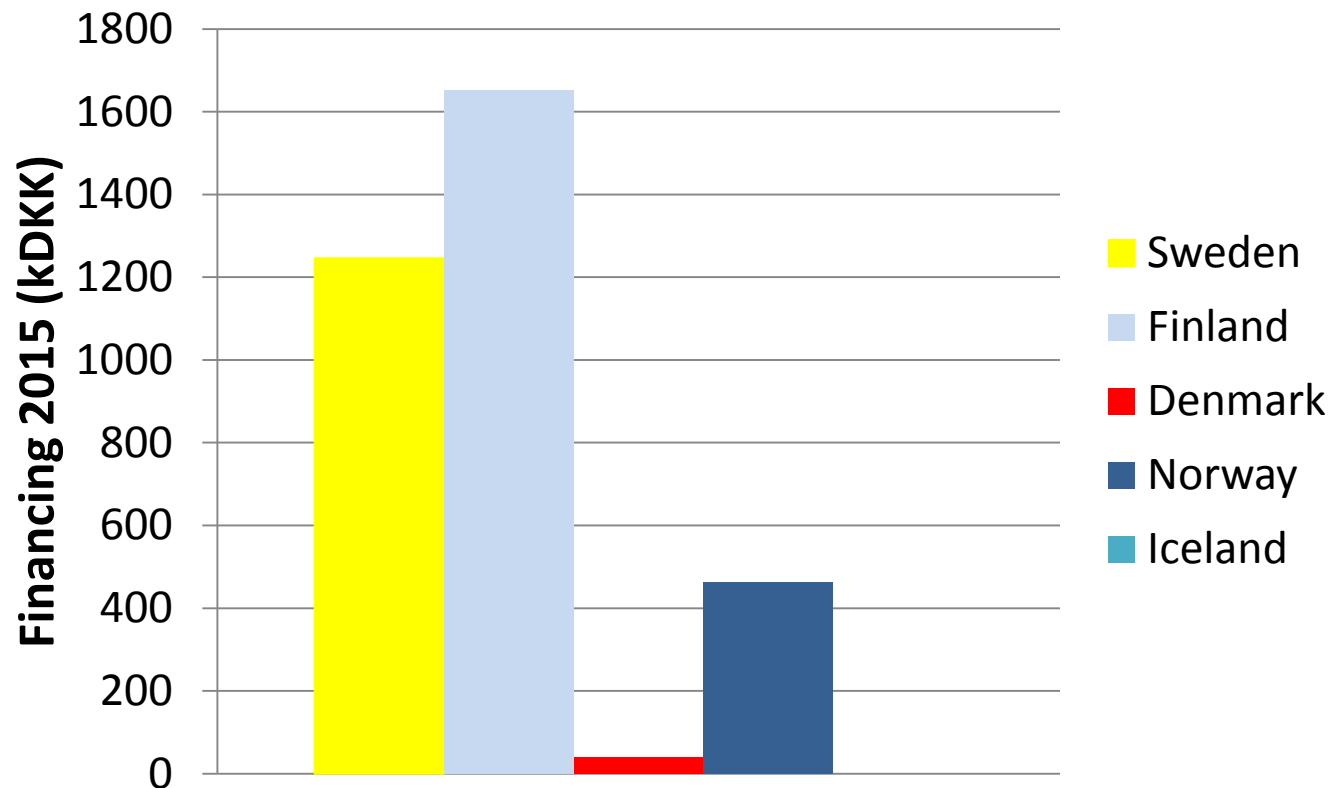


The programme managers  
prepare funding  
recommendations (Nov-  
Dec)

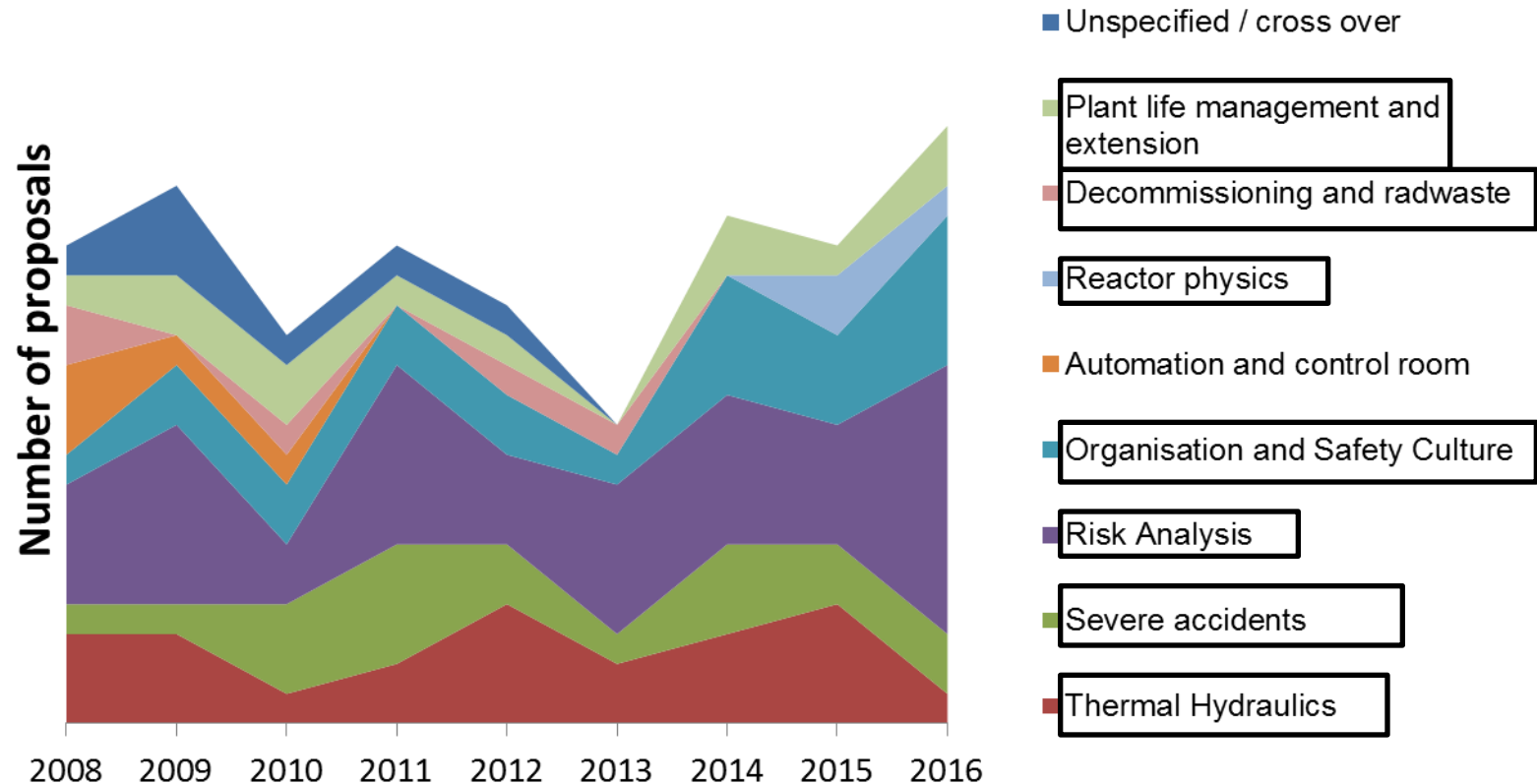
Call for Proposals opens in September

The members of the board  
evaluates the proposals (Oct-Nov)

8 projects with a total budget of 3400 kDKK



# NKS-R proposals per area 2008-2016



# Activities initiated after Fukushima

Examples of activities initiated after Fukushima:

ADdGROUND - Potential of numerical methods to supplement empirical earthquake observations (Project partners: VTT, University of Helsinki Institute of Seismology (SEI), ÅF-Consulting, Aalto University, Geological Survey of Denmark and Greenland (GEUS) and Uppsala university)

L3PSA – Level 3 PSA (Project partners: Lloyd´s register consulting, Risk Pilot, ÅF-Consulting, VTT and Vattenfall)

DECOSE - Debris coolability and steam explosion in Nordic BWRs (KTH and VTT).



- Focus on nuclear safety (including new build)
- Increased interest in decommissioning (both from industry and authorities)
  - Closure of Ringhals 1 & 2 and Oskarshamn 1 & 2 by 2020





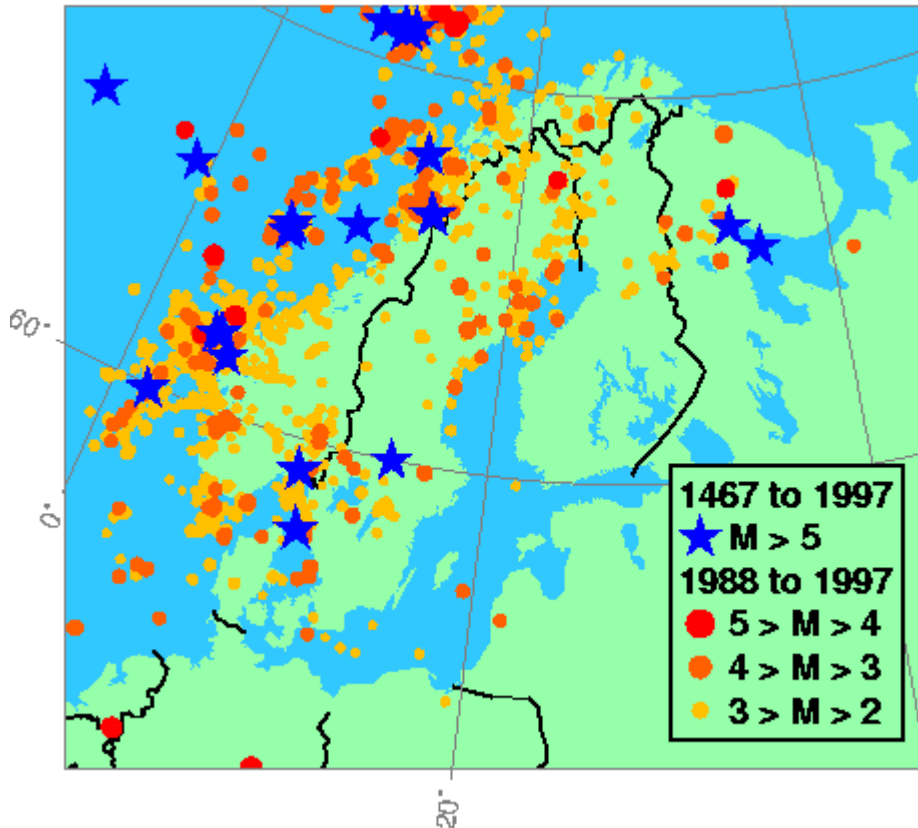
Thank you for your attention!

For more information on the NKS-R programme,

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[emma.palm@ssm.se](mailto:emma.palm@ssm.se)

# Ongoing activities 2015: ADdGROUND

## Earthquake location and magnitude



Research area: Risk analysis

Potential of numerical methods to supplement empirical earthquake observations.

Project partners:

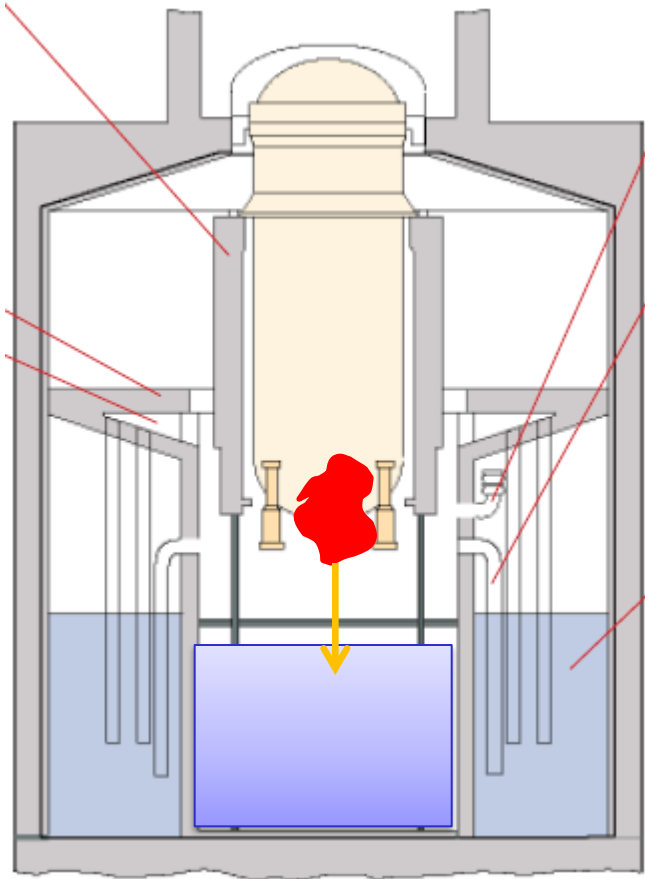
VTT Technical Research Centre, Finland

University of Helsinki, ÅF, Aalto university, Finland

Uppsala university, Sweden

Geological Survey of Denmark and Greenland, Denmark

# Ongoing activities 2015: DECOSE



Research area: Severe accidents

Debris coolability and steam explosion in Nordic BWRs

- Is the debris bed coolable?
- Is there a risk of steam explosion?

Experimental and numerical investigations

Project partners:

KTH Kungliga Tekniska  
Högskolan, Sweden

VTT Technical Research Centre,  
Finland