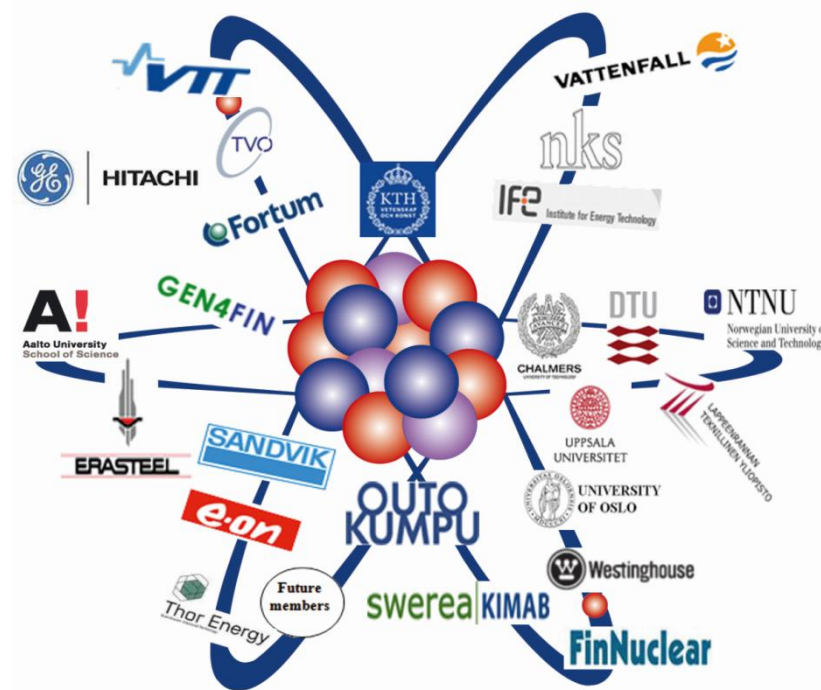


Nordic Forum for Generation IV Reactors

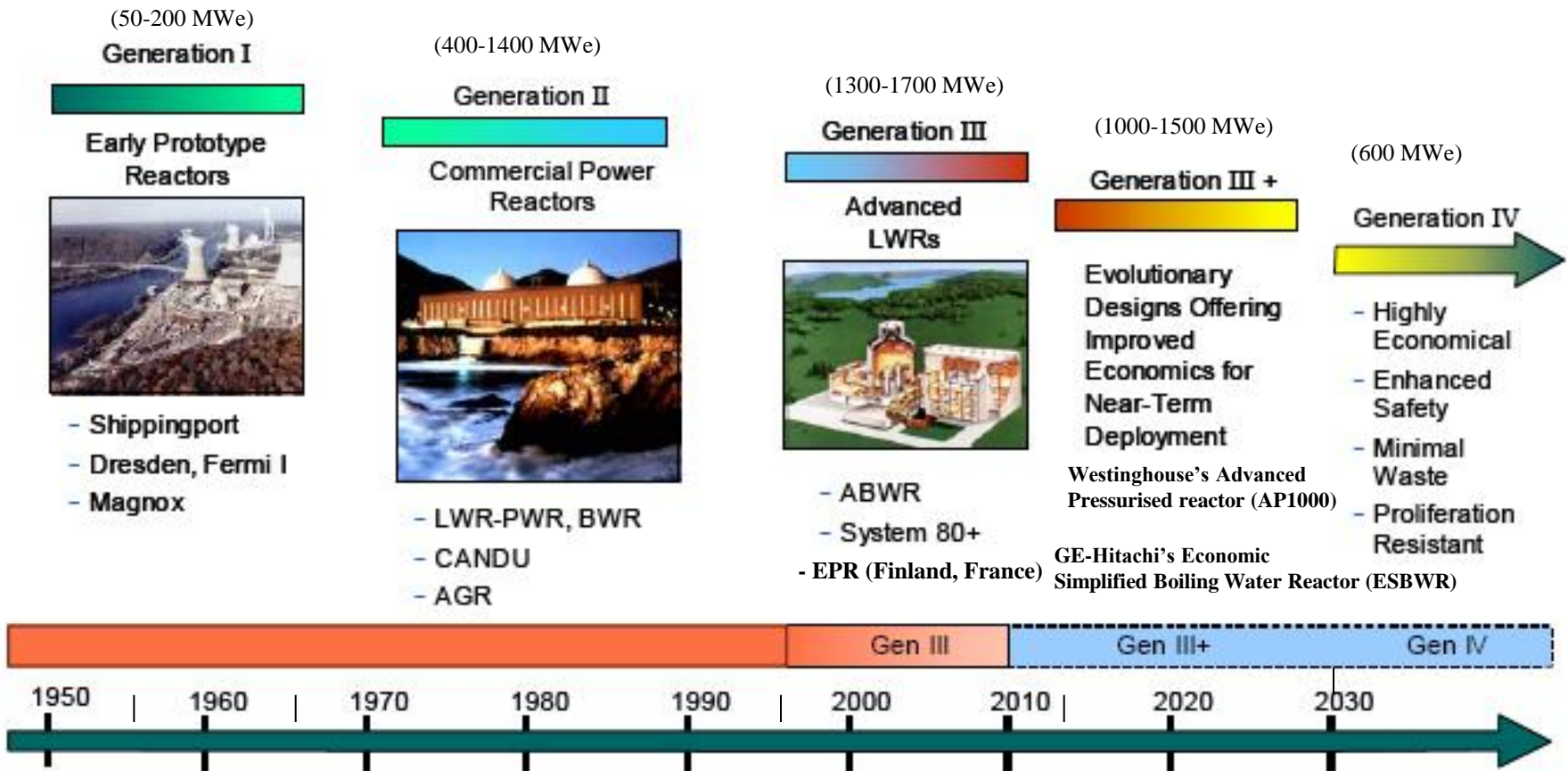
Nordic-Gen4

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Gen IV

Generation IV reactors



Forums

- GIF: Generation IV international forum
- GEN4FIN
- other

Programs/ Projects

European Energy Research Alliance (EERA)

Joint Program on Nuclear Materials Networking, cooperation

- Sodium-cooled fast reactor (ASTRID)
- LFR (MYRRHA, ALFRED), GFR (ALLEGRO)

FP7 Euratom (2007-2013),

To be followed up by HORIZON 2020 (2014-2020)

- GETMAT
- F-BRIDGE
- FAIRFUELS
- ASGARD
- SCWR-FQT
- MATTER
- LEADER
- ALLEGRO
- PELGRIMM
- GoFASTR
- ARCHER
- + many more



Objectives of the Nordic-Gen4 network

- To establish co-operation in the Nordic countries and identify partners for R&D applications (EU, etc.)
- Combine resources in order to carry out more ambitious and extensive research than would be possible for the individual teams.
- Spreading knowledge on GenIV issues and on-going research to different parties involved in the nuclear field, such as universities and utilities
- Inspiring young people for GenIV related R&D



Objectives Nordic-Gen4 - continued

- **All Gen IV concepts are included**
 - Sodium, lead, lead-bismuth, gas, supercritical water, ..
- **Importance of cross cutting issues**
 - Corrosion
 - Instrumentation
 - Creep properties
 - Modelling of materials
 - Irradiation properties
 - Reactor modelling
 - Thorium

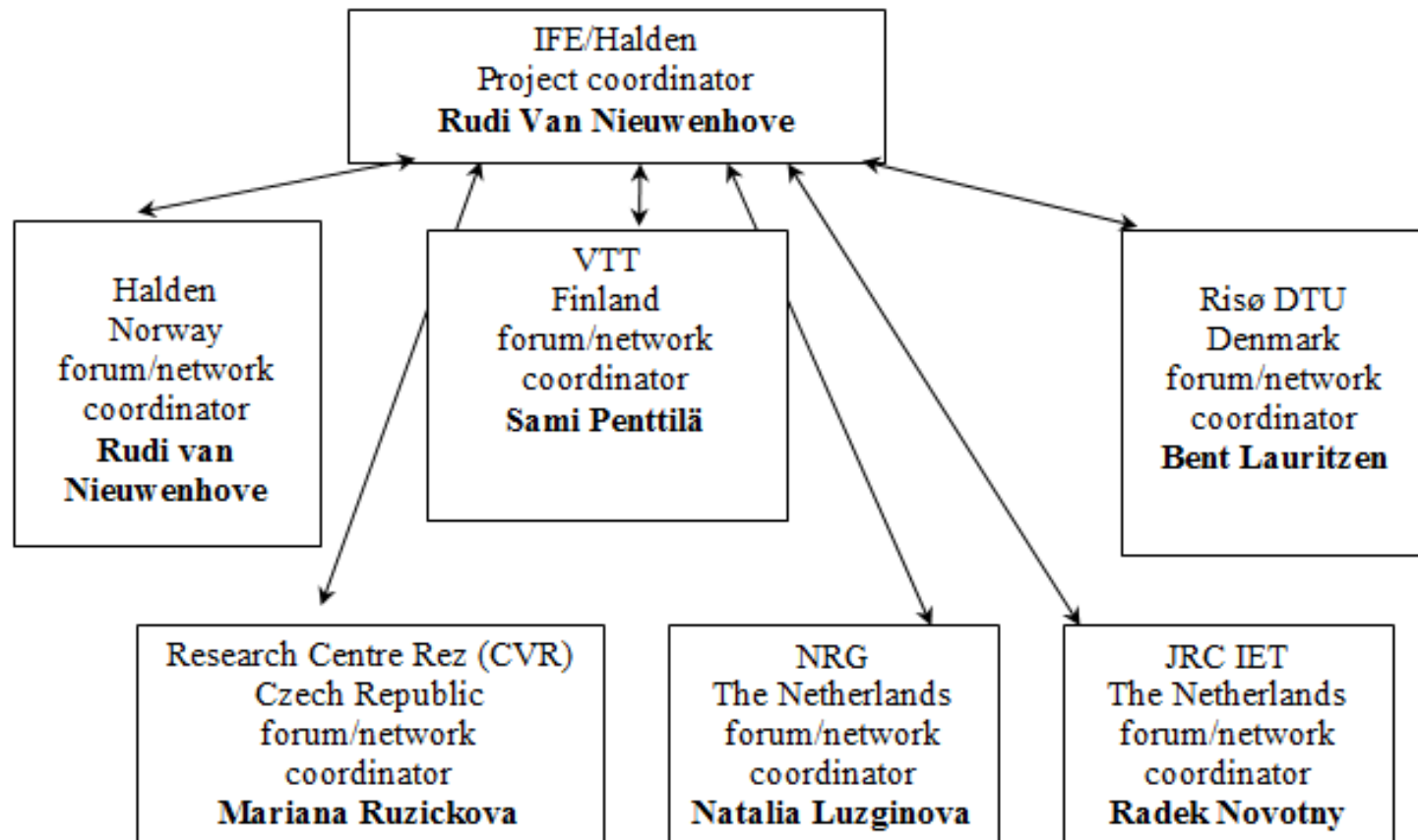


HISTORY

- 2009 : Nordic Nuclear Materials Forum for research on Generation IV nuclear power reactors (NOMAGE4) was established and coordinated by Studsvik (funding through NKS, Vattenfall and Fortum)
- 2010 : Increasing number of members (research institutes, companies, universities)
- 2011: Network extended to include also non-Nordic countries (The Netherlands (NRG and JRC) and Czech Republic (CVR) - Seminar held in Halden in November (70 participants)
- 2012: Halden became coordinator of the network. NOMAGE4 renamed into Nordic-Gen4
- 2012: Nordic-Gen4 seminar organized in Risø, Denmark



Network organization



Members

- NKS – Nordic Nuclear Safety Research
- Institute for Energy Technology in Norway, IFE
- GEN4FIN ←
- JRC IET
- NRG
- Research Centre Rez (CVR)
- DTU Nutech – Center for Nuclear Technologies, Risø
- Swedish Centre for Nuclear Technology, SKC
- GE-Hitachi Nuclear Energy
- Studsvik Nuclear AB
- Vattenfall
- EON
- Westinghouse
- Sandvik
- Royal Institute of Technology, KTH
- Chalmers School of Technology
- Uppsala University
- GE-Hitachi Nuclear Energy
- Outokumpu
- Thor Energy, Norway
- University of Oslo
- Norwegian University of Science and Technology

The members of GEN4FIN (see <http://virtual.vtt.fi/virtual/gen4fin/members.htm>)

- VTT*
- Fortum*
- Fennovoima*
- TVO*
- Aalto University
- Lappeenranta University of Technology
- Ministry of Employment and the Economy
- Priztech Oy
- STUK – Radiation and Nuclear Safety
- Tekes – The Finnish Funding Agency for Technology and Innovation

*: Financing GEN4FIN



Funding

- Presently funded by NKS (Nordisk kjernesikkerhetsforskning) as well as by sponsoring.

This is NKS

www.nks.org

Informal Cooperation Program

NKS (Nordic Nuclear Safety Research) is a platform for Nordic cooperation and competence in nuclear safety, including radiation protection and emergency preparedness. It is an informal forum, serving as an umbrella for Nordic initiatives and interests. Its purpose is to carry out joint activities producing seminars, exercises, scientific articles, technical reports and other types of reference material. The work is financed and supported by Nordic authorities, companies and other organizations. The results are used by participating organizations in their decision making processes and information efforts.



Gen IV seminars

- Yearly seminar (maybe every 2 years in the future)
 - Organized each year by a different (Scandinavian) country
 - Presentations made available on a website
 - Learning better the facilities/capabilities of each participant
 - Social part



New website www.nordic-gen4.org

- ✓ Presentations
- ✓ Links
- ✓ Upcoming events

Nordic Gen 4

NOMAGE 4 Nordic Nuclear Materials Forum for Generation IV



HOME	NORDIC-GEN4 DESCRIPTION	MATERIALS	MEMBERS	LINKS	CONTACT	NEWS	INSTRUMENTS	
UPCOMING EVENTS	PUBLICATIONS	NORDIC-GEN4 SEMINARS ▼						

Thank you for your attention !

