



Energiforsk activities on polymers

Monika Adsten, Energiforsk

Energiforsk – research in collaboration

- Facilitating research within electricity, heat and gas
 - Utilities/industry/researchers/consultants
 - Initiation
 - Follow up
 - Communication
 - Expert services
- Funding activity by activity with strong involvement from the financiers
- Some 15 employees and a network of thousands
- Creating benefits in the form of reports, education, seminars, arenas etc.
- www.energiforsk.se



Nuclear portfolio programs 2018



Concrete

Strål
säkerhets
myndigheten
Swedish Radiation Safety Authority



Vibrations



Strategic Monit.



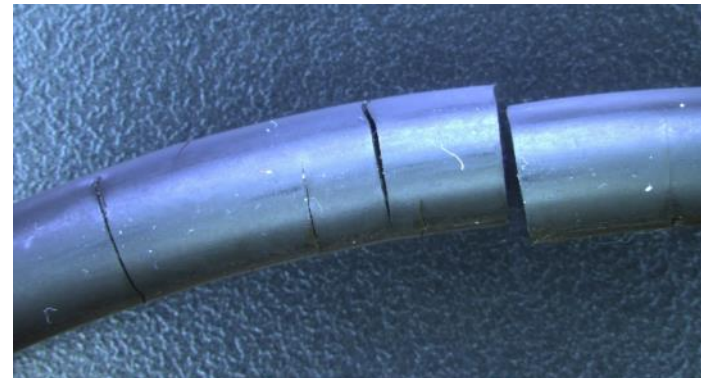
GINO

Strål
säkerhets
myndigheten
Swedish Radiation Safety Authority



ENSRIC

Strål
säkerhets
myndigheten
Swedish Radiation Safety Authority



COMRADE

Strål
säkerhets
myndigheten
Swedish Radiation Safety Authority

Stakeholders:



Strål
säkerhets
myndigheten

Swedish Radiation Safety Authority



COMRADE - Condition Monitoring, thermal and Radiation Degradation of polymers inside NPP containments

- Cooperation with SAFIR R&D program, SSM and UK supplier James Walker
- RISE and VTT
- Advisory group with stakeholders
- Work packages:
 - WP1: Method development of condition monitoring and implementation at NPPs
 - WP2: Retrieve "naturally aged" materials from plants – in operation or decommissioning
 - WP3: polymer ageing mechanisms and effects inside the NPP containment and ageing management of these components



Photo: SP

New project: SAMPO

- Safety criteria and improved ageing management research for polymer components exposed to thermal-radiative environments
- Application to SAFIR, SSM and Energiforsk Nuclear Portfolio
- Timeplan: 2019-2022



Photo: Sue Burnay