



VTT

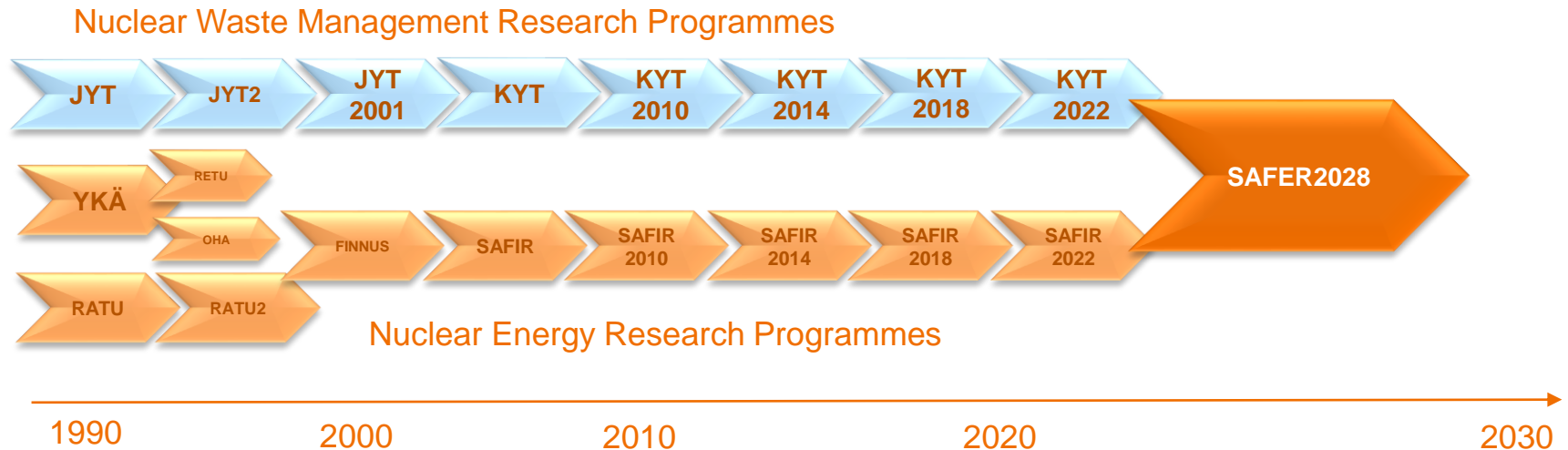
SAFER2028 Research Programme

Suvi Karvonen 11.5.2022

23/05/2022 VTT – beyond the obvious

SAFER2028 – National Nuclear Safety and Waste Management Research Programme 2023-2028

- ~60 M€ funding from VYR
- Combines NPP safety and nuclear waste management research



SAFER2028 Purpose and Vision

- Purpose: *To ensure national nuclear energy safety **expertise** over generations.*
- Vision: *The SAFER2028 research community is a vigilant and agile competence pool that carries out **excellent and internationally attractive research** on topics relevant to the safety of Finnish nuclear power plants and nuclear waste management facilities.*

SAFER2028 Projects

- Programme duration 2023-2028 = 3 + 3 years with midterm evaluation
 - Standard project length 3 years with funding applied for annually
 - Shorter projects are extremely welcome
 - Longer (4+ years) projects may be possible – to be decided
 - Excellence projects may receive funding recommendation for multiple years

- New feature: Doctoral Education Network (DENSE)
 - Projects intended for university students doing full time thesis work
 - Networking activities for all post-graduate students in the field

SAFER2028 – Research Topics (1)

- Framework Plan to be published in June 2022 with four main research areas:
 - Overall Safety and Society
 - Reactor Safety and Fuel
 - Decommissioning, Treatment and Long-term Safety of Nuclear Waste
 - Mechanical and Structural Safety of Nuclear Power Plants
- Cross-cutting topics in Framework Plan:
 - SMR reactors
 - Infrastructure
 - International Collaboration
 - Knowledge Management

SAFER2028 – Research Topics (2)

- Topics that directly relate to licensing requirements or regulator's control of license are not included in SAFER2028
- Research should be of use for more than one end user
 - Interpretation on this has relaxed from previous years'

Annual schedule

- August – October: Call for proposals for next years
- December: Funding recommendations from Management Group
- March: Funding decisions from VYR
 - Projects can invoice costs from January onwards at their own risk

- 2 Technical Advisory Group meetings / year
- Seminars and ad hoc TAG meetings as seen necessary / beneficial

Call for 2023

- Dates to be decided – likely 8-10/2022
- All material will be available on the (to be published) SAFER2028 website
- Pay attention to the plan and budget to avoid later problems
 - Include dissemination activities such as participation in research programme activities (technical advisory groups, seminars and external evaluation), publications, conferences etc.
 - TAGs/SG's will follow project progress and realization of costs
 - Each project has to list their deliverables and deadlines for them
 - Changing a lot from KYT2022 culture!

SAFER Seminar 9.6.

- Morning session for introducing the new programme
- Afternoon session for pitching research project ideas to end users

- Participation is not required but highly recommended!
 - Registration is open on KYT2022 and SAFIR2022 websites