

# European Severe Accident Research Facilities: Mapping and Analysis

## SNETP Forum



 SEAKNOT Project: knowledge preservation and dissemination about Severe Accidents in Europe

#### Goals

- Perform a critical analysis of the existing knowledge on severe accidents
- Identify needs for future experimental research required to understand the severe accident progression
- Disseminate and improve the knowledge of young researchers\_regarding both analytical and experimental investigations
- Build the experimental infrastructure of the future for Gen 2,3 and SMRs severe accidents studies needs



## WP3: to build the European <u>SA Infrastructure NET</u>work -SAINETfor severe accident phenomena studies at Horizon 2026-2030

- · Mapping of current European severe accident experimental facilities still in operation devoted to SA-research
- Establishing SAINET gathering main players in Europe on the field of SA-research based on the outcome of the mapping
  activity and answering the future experimental needs

#### Methodology

- · Evaluation of a questionnaire sent to european institutions.
- Mains requested information: severe accident research topic, man-power, actual/future research program, addressed reactor types, addressed topics e.g. ATF, SMRs, scaling, man-power, critical risks e.g. funding, knowledge transfer, instrumentation?

### 59 European experimental facilities in 2023 on severe accident research



SAINET Network is under construction

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