

## **Scope**

- Reorganize & revitalize the existing research infrastructure around GRR-1
- Establish a research infrastructure for the Greek nuclear and radiological Community
- Foster collaborative activities with multiple research performers from academia, research centers and private enterprises
- Attract research funding from international and national sources
- Train a much needed group of young nuclear engineers

## **Activities & Activity planning**

- Re-operate GRR-1 in the framework of a sustainable strategic partnership between the Greek Nuclear / Radiological Community and internationally prominent Institutions
- Promote GRR-1 utilization for Research & Development
- Preserve, expand and transmit Nuclear Technology know-how while training a new generation of Researchers
- Pursue funding to sustain and expand the research activities
- Perform high quality research on:
  - Analysis & Design of modern reactor core architectures
  - Development of advanced multiphysics reactor analysis tools
  - Investigation of innovative reactor concepts
  - Improving RR irradiation capabilities
  - Safety analysis of research reactors
  - Power plant monitoring & diagnostics
  - Intelligent nuclear security
  - Electrical load forecasting

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