

IAEA

***Research Reactor Safety Section
Division of Nuclear Installation Safety***



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Content

- **Mission of the Section**
- **Main Achievements**
- **Main Future Activities**

Mission of the Section (Documents)

- **Enhancing the safety of research reactors and fuel cycle facilities (FCF):**
 - **Code of Conduct on the Safety of Research Reactors**
 - **Safety Standards and associated guidance publications on RRs and FCFs**

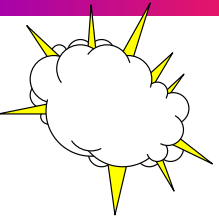
Mission of the Section (Activities)

- **INSARR missions (Integrated Safety Assessment of Research Reactors) and Safety Evaluations During Operation of Fuel Cycle Facilities (SEDO)**
- **Coordinated Research Projects (CRP)**
- **Incident Reporting System for Research Reactors (IRSRR) and Fuel Cycle Facilities (FINAS)**
- **Education and Training**

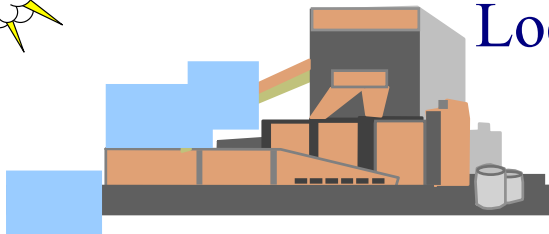
Main Areas to be Assessed by an INSARR Mission

- **Nuclear regulations, regulatory supervision**
- **Operating Organization and Management**
- **Emergency Planning and Preparedness**
- **Safety Analysis and SAR**
- **Operational Limits and Conditions**
- **Utilization and Modifications**
- **Conduct of Operations**
- **Radiation Protection**

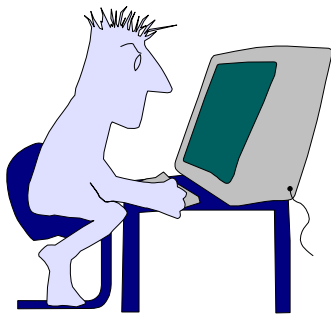
IRSRR – How it is operated?



Plant Incident

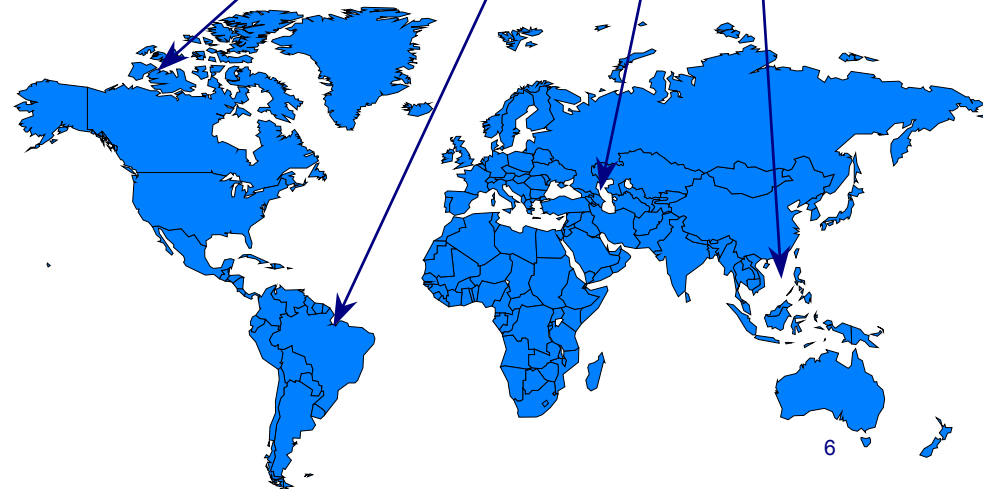
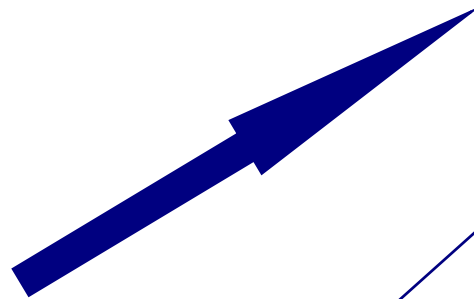
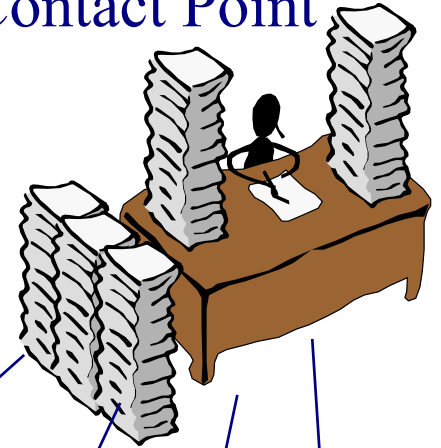


Local co-ordinator



National Co-ordinator

IAEA Contact Point



Principal Achievements - RRs

- Technical Documents:
 - Code of Conduct
 - Safety Requirements NS-R-4 Published
 - 9 Safety Guides in various levels of development and review
 - 2 CRPs completed (Reliability data base, safety significance of postulated initiating events)
 - New CRP on Source Term
- Participation in 18 TC projects (with safety implications)

Principal Achievements - FCFs

- Elaboration of SEDO Guidelines (approved by Member States)
- CRP proposed on Safety Performance Indicators

Main Future Activities - RRs

- Assist Member States in implementing the Code of Conduct and in applying the Safety Standards
- Complete the 9 Safety Guides in process
- Start the work on harmonization of safety analysis methods and data for RRs

Main Future Activities - FCFs

- Elaboration of Safety Standards (Safety Requirements document and 6 Safety Guides for different types of facilities)
- Development of operational safety services and reviews (2 missions per year)
- Preparation of training material