

EU Training Course on “Requirements and safety evaluation of Research Reactors”

Duration

1 Week

Content

The training module will present and discuss the safety aspects and requirements for a Research Reactor and related licensing steps from siting to construction and operation.

The objective and content of the SAR, in its versions depending on the licensing steps, will be presented and discussed. The safety of the conception of a RR, the safety features, the operational aspects, the accident analysis, the definition of Operating Limits and Conditions (OLC's), the Periodic Safety Review, the licensing of safety related plant modification, the radiological monitoring and the basic elements of emergency preparedness will be presented.

The regulatory approach and organization to conduct the regulatory assessment of the SAR as report in terms of completeness and adequacy of its content will be presented and discussed, together with the regulatory function to oversight the RR activities during licensing and operation.

Legislative framework, reference standards and guidelines for RR will be addressed.

Management of aging in operating RR will be considered and discussed.

Practical application, walk-through a RR facility and performance of some experiments will be included in the training program...

Achievements

The attendees will attain the knowledge, learning of main aspects related to the regulatory assessment of SAR for RR and regulatory oversight during operation.