

# Guidance for safety assessment in zero power nuclear reactors



Realization period: 22 – 26 May 2017

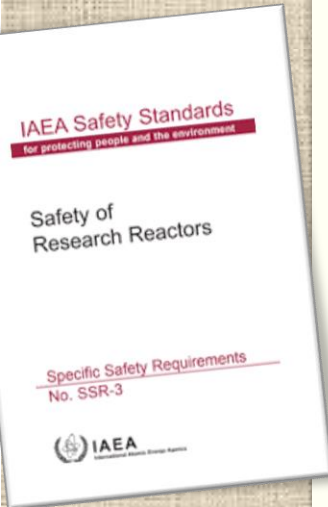
## TASK

Assistance in compiling guidance for the safety assessment in a zero power nuclear reactor with the proposal of the safety assessment methodology.



## RESULT

**Guidance for safety assessment in zero power nuclear reactors with the proposal of the safety assessment methodology** – contains guidance for the safety assessment in a zero power nuclear reactor and preparation of the Safety report for research reactors. It makes the basis of the guidelines by the regulatory body for the authorization applicant on the Safety report for research reactors. The guidance is developed in view of graded approach and serves the regulatory body to harmonize national legislation, regulatory requirements and recommendations for the licensees with the concepts of EC Directive 2009/71/Euratom, EC Directive 2014/87/Euratom, IAEA standards and international good practice. The guidance serves the regulatory body to upgrade the level of understanding of the review and assessment of nuclear safety for research reactors, as well as for further development of the system of managing the procedures and processes regarding the safety review and assessment.



## LESSONS LEARNED

Efficient and competent regulatory body has to maintain all levels of regulatory control over the licensees : licencing, passing of regulations, inspection and enforcement, as well as review and assessment prior to the license issuance. These processes are greatly interconnected and if one of them is omitted, the integral process is impaired and the mission and mandate of the regulatory body weekend. Safety review and assessment results are necessary input for the licencing process. A competent regulatory body has to be empowered to take enforcement measures even in case of nuclear and radiological facilities without licence, or those that have never applied for a licence, in line with law.