

Regional Training course on “Basic nuclear safety concepts, regulatory functions, licensing management and decision making”	
Duration	1 W
Content	<p>The training course will provide a presentation of the basic concepts of nuclear safety with focus on the regulatory functions in the licensing review and evaluation. The safety objectives, principles and requirements of the main NPP technologies will be presented together with their evolution in the last decades considering the feedback from major accidents of Three Mile Island, Chernobyl and Fukushima.</p> <p>The course will cover the safety requirements for redundancy, independence, diversification, qualification of hardware and software, requirement of independence among levels of the DiD, use of probabilistic safety analysis, etc. Attention will be given to IAEA safety standards and EU approaches including WENRA safety objectives for new NPP.</p> <p>In its second part the course will present the licensing function of the NRA and the requirements for the management of the licensing activity, with reference to: establishing of safety requirements, planning of activities, management of documentation, coordination of internal work of the NRA, coordination of interfaces with the applicant (licensing process dialog) and involved institutions, coordination of external technical support (TSO) and related challenges.</p> <p>Presentation of practice and experience in some EU regulator bodies will be provided. Practical application and elaboration will be included.</p>
Achievements	<p>The attendees will attain the knowledge of safety basis of a nuclear facility and regulatory safety requirements (radiation safety objectives, safety principles (DiD), safety requirements, safety functions, criteria and specific engineering requirements). In addition the knowledge of the regulatory review function, regulatory licensing management and decision making process will be achieved.</p>