

**TRAINING COURSE  
“NPP SITING REQUIREMENTS”**

**DRAFT CARD**

<p><b>Course Objective:</b> Provide formation on safety requirements for siting of NPP and for expert review activity</p> <p><b>Duration:</b> one week</p>	
<p><b>CONTENT</b></p>	
Criteria for site selection	<p>Site analysis objectives, criteria &amp; requirements</p> <p>The concept of probabilistic safety targets for the NPP</p>
Analyses to be performed to assess site requirements	<p>Site analysis survey and characterization;</p> <p>Analysis of the impact of NPP on the site, environment and public;</p> <p>Analyses of Impact of the site on the NPP design</p>
Natural external events	<p>The severity of external events (EE) and their probability;</p> <p>Meteorological conditions (extreme values for wind, temperature, humidity, snow, seawater level, ...</p> <p>External natural hazard: Tsunami, flooding, climatic events</p> <p>Impact on the design.</p>
Seismic Hazard and input for seismic design	<p>Seismic Hazard Analysis, methods and site screening criteria</p> <p>Site specificity analysis</p> <p>Impact on the design: definition of design basis earthquake</p>
Human induced external events	<p>Severity of external events (EE) non-natural and their probability.</p> <p>Site exposition to airplane crash, explosion, industrial accidents.</p> <p>Impact on the design.</p>
Territorial Investigations and continuous monitoring	<p>Site data collection and monitoring : advanced technology</p>
Content of documentation to be submitted for site approval	<p>Structure and content of site analysis report</p>
Regulatory review of Site Analysis Report	<p>Assessment and review approach for approval of “site analysis report”. Regulatory guidance on siting requirements.</p>
Emergency and security requirements	<p>Emergency planning and security plan.</p> <p>Site related issues for emergency preparedness and development of security plan.</p>