

Project Acronym | **PEC**

Task ID	Task Title	Start Date	End Date	Actions	Deliverables
A	Hazard and event definition	Month 1	Month 6	<p>A.1 Definition of the study area</p> <p>A.2 Hazard identification (earthquake)</p> <p>A.3 Hazard identification (floods)</p> <p>A.4 Hazard identification (man-made and secondary industrial chemical accidents)</p>	<p>D.A.1 Definition and identification of the study area</p> <p>D.A.2 Hazard identification for earthquakes</p> <p>D.A.3 Hazard identification for floods</p> <p>D.A.4 Anthropogenic hazard identification</p>
B	Effect on the construction system	Month 4	Month 15	<p>B.1 Disaster risk assessment (earthquake)</p> <p>B.2 Disaster risk assessment (floods)</p> <p>B.3 Disaster risk assessment (man-made chemical accidents)</p> <p>B.4 Multi-hazard contamination risk map</p>	<p>D.B.1 Definition of the structural models and seismic fragility analysis techniques available for the specific case study</p> <p>D.B.2 Definition of the susceptibility of the structures included in plants and estimation of the fragility related to disasters</p> <p>D.B.3 Report on the evaluation of possible damages suffered by critical structures and infrastructures as consequence of a terroristic attack</p> <p>D.B.4 Risk map contamination related to damages induced by earthquake, floods and terroristic attack</p>
C	Dispersion of toxic elements and population exposure	Month 6	Month 24	<p>C.1 Diffusion of toxic elements in the structures and in the environment</p> <p>C.2 Human short- and medium-long term exposure</p> <p>C.3 Post- incident environmental and biological monitoring</p> <p>C.4 Development of and integrated computational platform</p>	<p>D.C.1: Report on environmental multi-hazard contamination assessment</p> <p>D.C.2: Report on external and internal human exposure assessment to toxic contaminants</p> <p>D.C.3: Alpha version of integrated computational platform</p> <p>D.C.4: Report on post-incident environmental and biological monitoring</p> <p>D.C.5: Final version of integrated computational platform</p>
D	Toxicological effects and public health consequences	Month 10	Month 24	<p>D.1 Short-term health effects (employees affected inside industrial building; rescue personnel, general population)</p> <p>D.2 Estimation of long term risks for public health</p>	<p>D.D.1: Impact/risk maps for acute health effects</p> <p>D.D.2: Risk maps for long-term health effects</p> <p>D.D.3: Health risk prioritisation matrix</p>

E	Mitigation guidelines	Month 16	Month 24	<p>E.1 Guidelines for early-warning system</p> <p>E.2 Guidelines for risk mitigation of buildings and plants</p> <p>E.3 Guidelines for mitigation of population exposure</p> <p>E.4 Guidelines for environmental and bio-monitoring</p> <p>E.5 Guideline for population survey</p>	<p>D.E.1: Guidelines for early-warning system</p> <p>D.E.2: Guidelines for risk mitigation of buildings and plants</p> <p>D.E.3: Guidelines for mitigation of population exposure</p> <p>D.E.4: Guidelines for environmental and bio-monitoring</p> <p>D.E.5: Guidelines for population survey</p>
F	Management and Reporting to the Commission	Month 1	Month 24	<p>F.1 Overall legal and contractual management</p> <p>F.2 Overall financial and administrative management</p> <p>F.3 Technical work and project monitoring</p>	<p>D.F.1: Grant agreement</p> <p>D.F.2: Meeting with European Commission in Brussels</p> <p>D.F.3: PCM Meetings</p> <p>D.F.4: Work plan</p> <p>D.F.5: Technical reports (2 interim and 1 final)</p> <p>D.F.6: Financial reports (2 interim and 1 final)</p>
G	Publicity	Month 2	Month 24	<p>G.1 Generation of a Dissemination and Result Exploitation Plan</p> <p>G.2 Dissemination and communication</p> <p>G.3 Monitoring progress of dissemination and joint scientific production results exploitation</p> <p>G.4 Exploitation study</p>	<p>D.G.1 Project web portal</p> <p>D.G.2 Dissemination and results exploitation plan</p> <p>D.G.3 Project leaflets</p> <p>D.G.4 Newsletters and policy briefs on project website</p> <p>D.G.5 Scientific/technical papers submitted to journals/conferences</p> <p>D.G.6 Working group meeting</p> <p>D.G.7 Exploitation study</p> <p>D.G.8 Final conference</p>