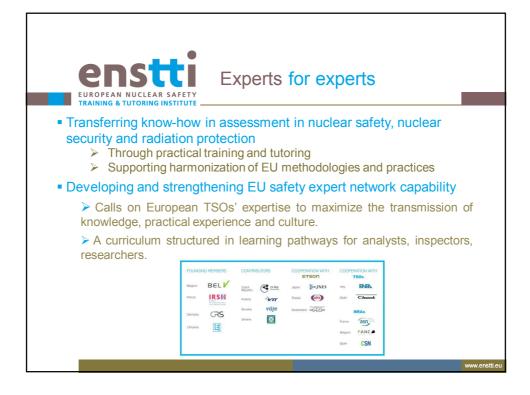


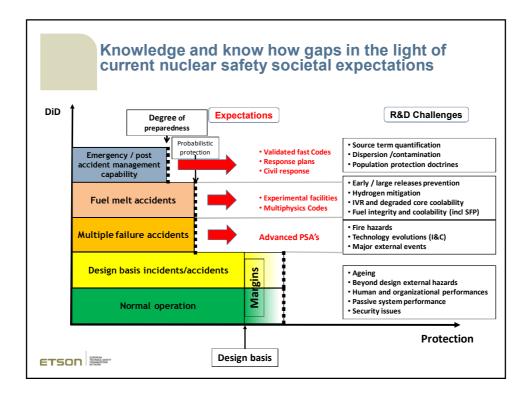
	oving nuclea ving target	r safety science	e basis :
	Knowledge base	Infrastructure: experimental, databases; codes; emergency	Experts
Existing	Knowledge management	CatalogueBenchmark, user clubsAccessibility	Networking; training; mobility
Identified gaps	*	*	Safety expertise for: • New build NPP programmes • Beyond design safety issues • Emergency preparedness
Development programmes	- SRA's and R&D budgets - Multinational projects (EURATOM, NEA) - Industry/TSO cooperation		Education ; regulatory requirements; funding systems TSO development

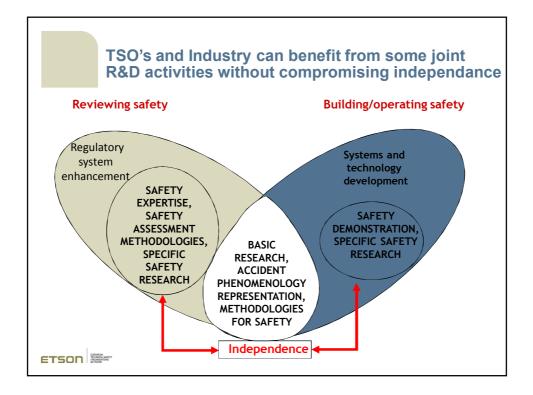


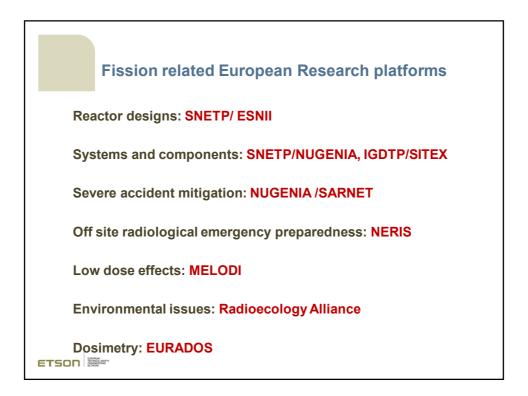


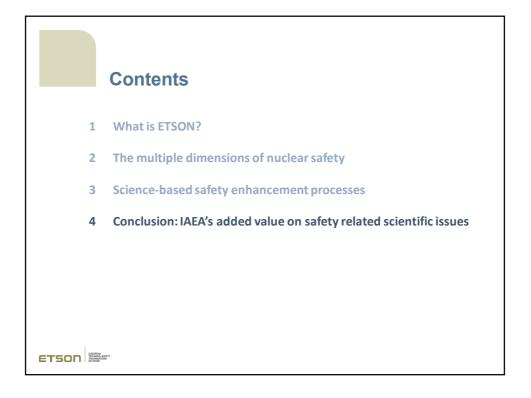


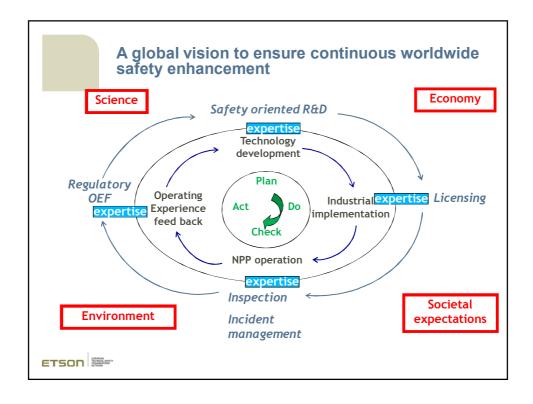
Improving nuclear safety science basis : a moving target					
	Knowledge base	Infrastructure: experimental, databases; codes; emergency	Experts		
Existing	Knowledge management	CatalogueBenchmark, user clubsAccessibility	Networking; training; mobility		
Identified gaps	*	*	Safety expertise for: New build NPP programmes Beyond design safety issues Emergency preparedness		
Development programmes	- SRA's and R&D budgets - Multinational projects (EURATOM, NEA) - Industry/TSO cooperation		Education ; regulatory requirements; funding systems TSO development		
ETSON					











Three conclusive points

1. An accident somewhere is an accident everywhere: international, regional and national actions must converge to foster R&D aiming to enhance reactor safety designs, prevent the reoccurence of a major accident and to improve emergency preparedness.

- 2. Major new build programs in the coming 15 years will stretch beyond capacity the existing nuclear safety expert force worldwide. However, today's nuclear safety research is tomorrow's excellence in expertise.
- 3. IAEA could seek to maximize its TSO Fora potential, acting closely with NEA, to promote and enhance nuclear safety's scientific basis.



