

Innovative processes of interaction involving Experts and Civil Society in the context of R&D on Radioactive Waste Management (RWM)

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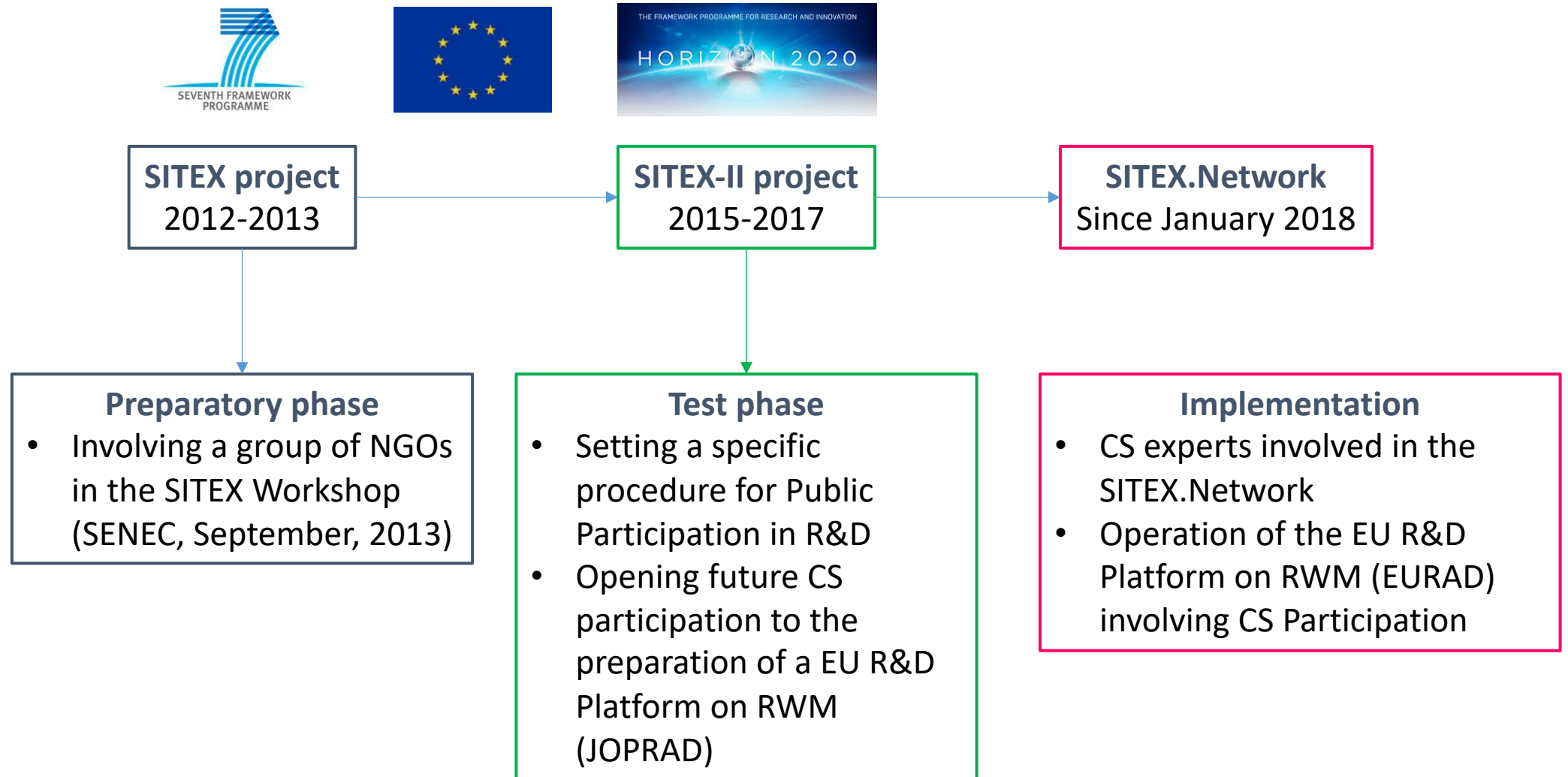
*Aarhus Convention & Nuclear European Round Table on Public Participation
in the field of Radioactive Waste Management
13th – 15th January, 2021*

Summary

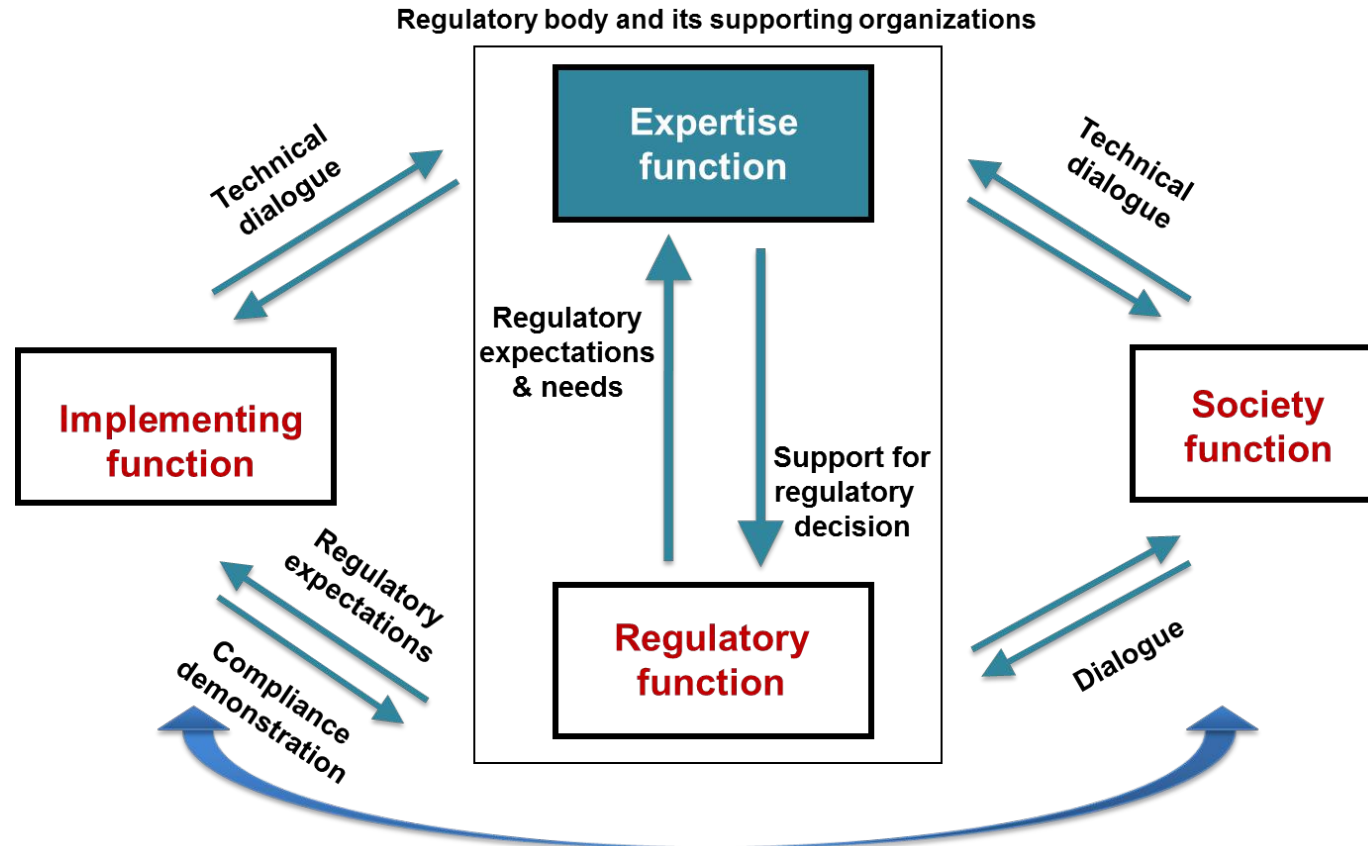
Experimenting Processes of interaction of RWM Experts with Civil Society in the context of European R&D on RWM

- 2 successive research programs: SITEX, SITEX-II (5 years in total)
- Grounding on the Aarhus Convention
- Enabling mutually profitable cooperation between Experts and Civil Society
- Producing common innovative concepts and methods
 - Leading to the constitution of a European network (**SITEX.network**)
 - Leading to a joint contribution to the constitution of a R&D European Joint platform (EURAD, via the JOPRAD Project)

From SITEX projects to SITEX.Network



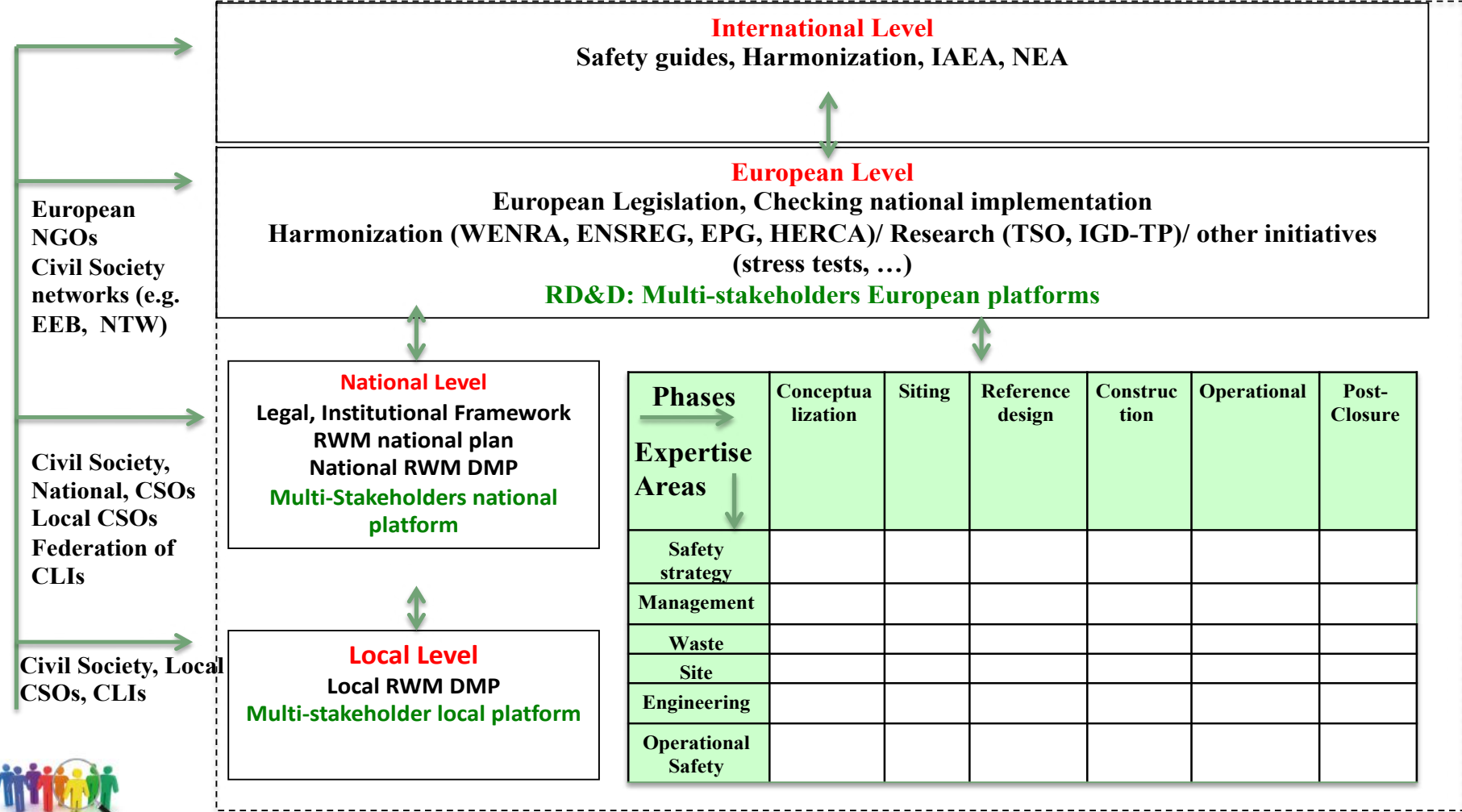
Main functions interacting in the RWM (SITEX)



SITEX.Network focuses on the *Expertise Function* and its links with the other Functions.



Towards a multilevel contribution of Civil Society in RWM (SITEX)





SITEX-II (2015-2017)

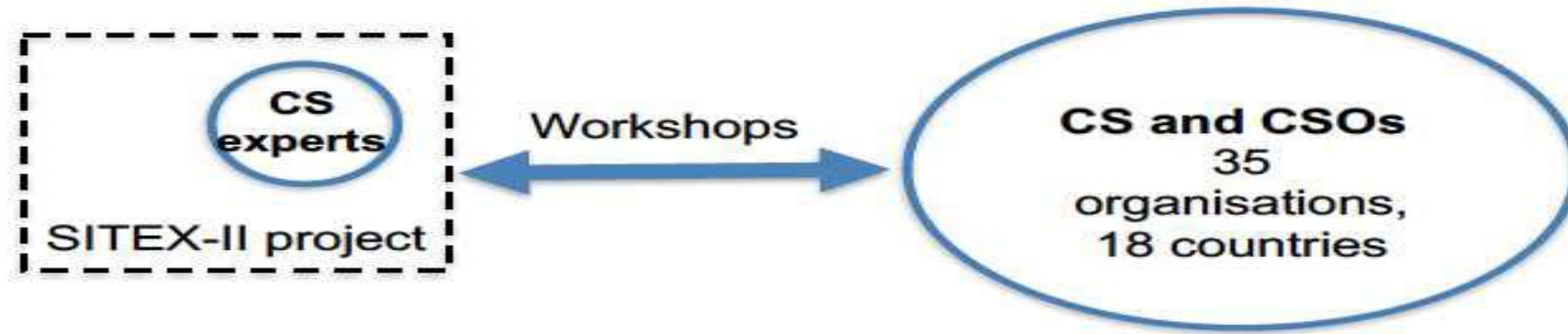
18 Participants: Safety Authorities, TSOs, Research, CSOs

To establish conditions of practical implementation of a Network of RWM Expertise Organisations in the EU

- Definition of a Strategic Research Agenda (SRA),
- Harmonization of the Technical Review of a safety case,
- Sharing of Training resources,
- Establishing Terms of Reference of the SITEX Network with institutional and societal expertise, and regulators.

Implementing the AC in the R&D context of SITEX II : How ?

The SITEX “Double-Wing” Interaction Model



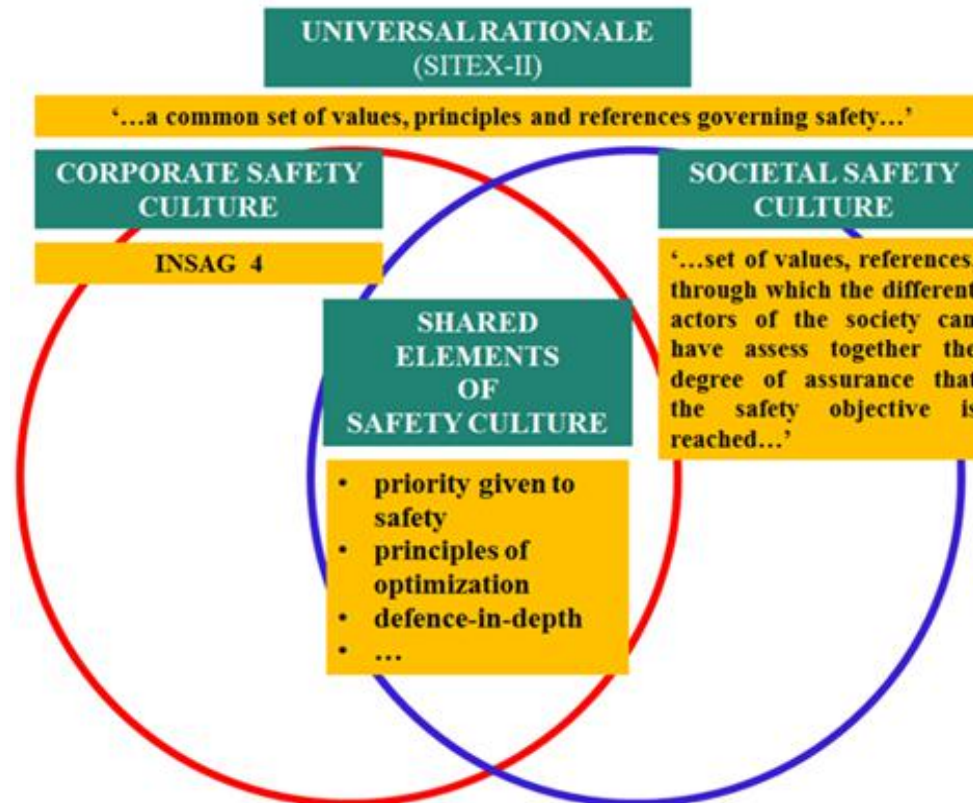
A small group of CS Experts directly involved in SITEX-II (as partners) interacted with a larger group of 35 NGOs from 18 European countries, to explore possible modes of interaction in SITEX II WP4

- WP4 (Lead Mutadis) aims at developing and testing a model of interactions between Experts and Civil Society,
 1. **CS contribution to SITEX Strategic Research Agenda** (Task 1, lead MKG, Johan Swahn, Sweden)
 2. **Safety Culture** (Task 2 , lead FANC, Frederic N-Bernier, Belgium)
 3. **Intergenerational Governance** (Task 3, lead REC, Nadja Zeleznik Slovenia)

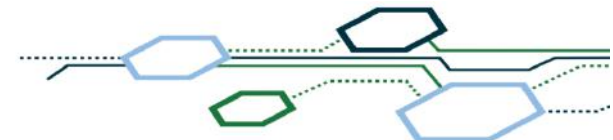
CS experts involved : Energia Klub (Hungary), MKG (Sweden), Mutadis (France), Regional Environmental Center (REC Slovenia), Symlog (France)

Institutional experts involved : FANC, Bel-V (Belgium), CNSC (Canada), CV Rez (Czech Republic), ASN, IRSN (France), LEI (Lithuania), NRG (Netherlands), Decom (Slovakia)

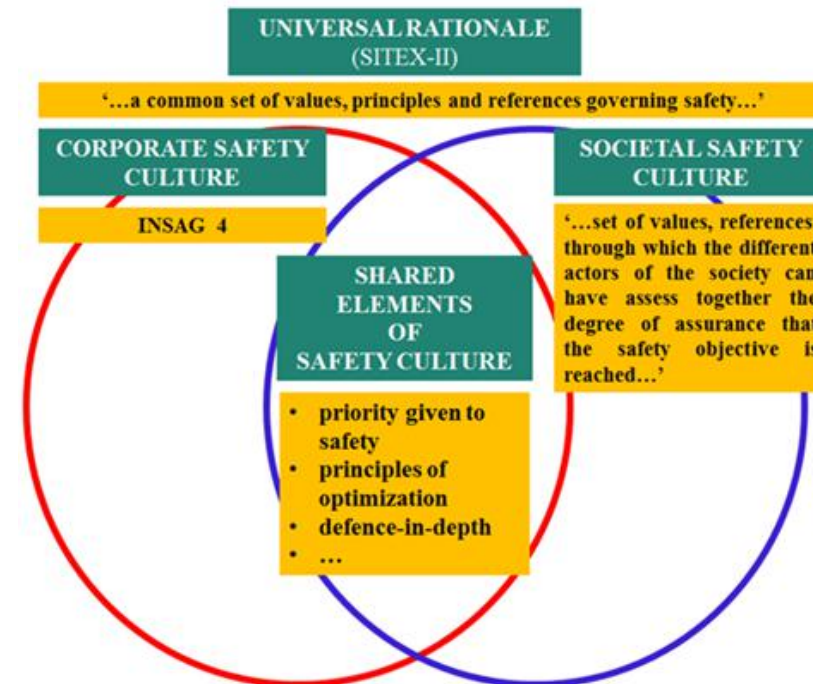
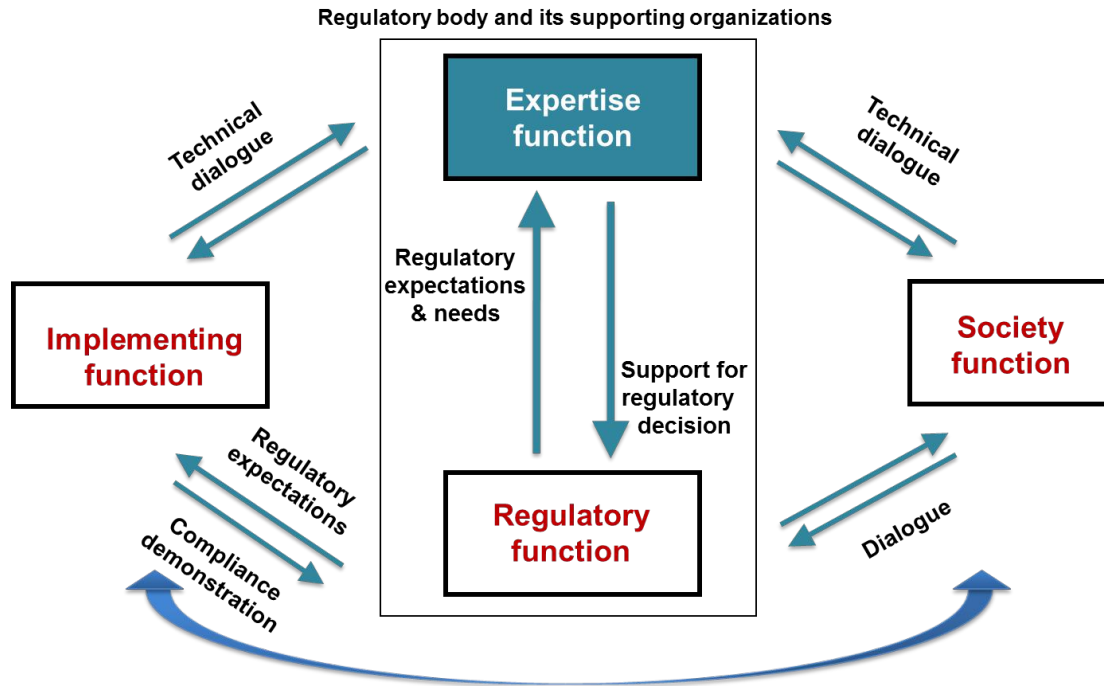
To identify the appropriate processes and tools in order to enable experts' interaction with CS along the safety case review activities in the perspective of the Aarhus Convention



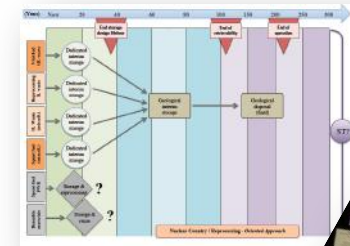
IAEA INSAG 4 report thus defines safety culture as “that assembly of characteristics and attitudes in organizations and individuals which establishes that, as an overriding priority, nuclear plant safety issues receive the attention warranted by their significance.” (1991)



An enlarged Safety Culture to support Transboundary Interactions



- Review and analysis of research on intergenerational aspect of RWM
- **Creation of a SERIOUS GAME : *Pathway Evaluation Process (PEP)***
- To stimulate dialogue on alternative routes of HLW & SF management, on the long term
- Based on real life scenarios and diversified criteria



A powerful instrument tested in several context :

- Within SITEX-II (partners and enlarged CSO group)
- With students in the Czech Republic
- In the French Public Debate Commission on RWM with 40 students

Emerging patterns on CS access to expertise

- Transboundary and multi-level exchanges with CS, a key asset for achieving RWM Safety,
- Capacity building with the Double Wing Process (involving “non affiliated” CS experts together with CSOs)
- CS interaction on Expertise & Research on RWM Safety at EU and national levels necessary
- It is complementary to public engagement at local level
- Further use and development of processes of interaction based on contextualised scenarios (eg SERIOUS GAMES) in order to enable dialogue on complex issues associated with RWM
- Towards an enlarged Safety Culture, with a special concern on intergenerational transmission

THANK YOU FOR YOUR ATTENTION