

# Task 3.5

## Conditions of involvement and relevant R&D topics for civil society

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## Objectives of Task 3.5

- **The main objective of task 3.5** is to “propose and prepare the mechanisms for interacting with the Civil Society on the common R&D cross-cutting issues of TSO, WMO and Research Entities and determine research topics relevant for society notably regarding social science”.
- **In order to reach this objective, task 3.5 tries to:**
  - ✓ Identify key research areas that Civil Society would like to see included into the research programmes,
  - ✓ Establish the expectations and views of Civil Society regarding the conditions and means for setting a JP and regarding its potential involvement in the governance of the JP.

# CSO network & Task 3.5 Meetings 1/2

- A network of European Civil Society Organisations (CSO) engaged in RWM issues has been created in order to provide a variety of CSO viewpoints. The network is gathering 35 organisations coming from 18 countries in Europe.
- CSOs are involved in JOPRAD in the perspective of the implementation of the Aarhus Convention (Public information and participation)
- 3 meetings of the group of CSOs :
  1. 28<sup>th</sup> August 2015 in Paris,
  2. 23<sup>th</sup> February 2016 in Ljubljana,
  3. 29<sup>th</sup> June in Budapest.

# CSO network & Task 3.5 Meetings 2/2

- August 2015, Paris :
  - ✓ To discuss the interest & conditions for CSOs to participate in JOPRAD.
- February 2016, Ljubljana :
  - ✓ To share the progress of JOPRAD discussions on potential format of JP,
  - ✓ To examine and assess the Strategic Research Agendas under preparation (WMOs, TSOs, REs)
- June 2016, Budapest :
  - ✓ To discuss governance schemes and the way to integrate the CS in the EJP

# I- Civil Society views on key research areas



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# CS contribution to the discussion of SRAs

- **General comments of CSOs while examining SRAs:**
  - ✓ The perspective of CSOs cannot be reduced to providing input for R&D on GD without consideration with the overall RWM strategy,
  - ✓ The overall priority of CSOs is the comprehensiveness and consistency of the R&D agenda as a whole (beyond the priorities of each parties of the EJP).
- **Construction of CSOs input for discussion on JP:**
  - ✓ Identification by CSOs of comprehensive R&D needs,
  - ✓ Assessment of R&D issues explicitly / possibly / not covered by respective SRAs (WMOs, TSOs, REs)
  - ✓ Overview of selection process of joint R&D issues.

# Key Technical Research Areas for Civil Society

- **Key Technical Research Areas for Civil Society covers:**
  - ✓ Quality of data (consistent and complete inventory analysis, taking into account characterisation, conditioning and allotment of uncertainties)
  - ✓ Techno-scientific issues of importance for safety-case review (various issues from corrosion through geological and hydrological to security issues)
  - ✓ Siting (safety case related issues, including criteria for the choice of areas or the choice of geological structures, assessment of geological stability)
  - ✓ Issues regarding methods for disposal (methods for the choice of disposal concept, the role of retrievability, etc.)
  - ✓ Fundamental principles for evaluation of safety case (practical use of concepts like the precautionary principle, best available technology...)
  - ✓ Issues regarding societal development (justification of RWM strategies regarding the balance of risks, cross-evaluation of scenarios, monitoring...)
  - ✓ Citizens and Social sciences research and interaction with humanities and arts

# Need for Social Sciences and Citizen Sciences

- Addressing the complexity of RWM issues entails involving both:
- **Citizen Sciences** also known as networking science, civic science or crowd-sourced science, volunteer monitoring, “public participation” in scientific RD&D.
  - ✓ => involving directly people (non scientists) in the production of trustworthy and reliable scientific knowledge that is required for RWM.
- **Social sciences** in the frame of RWM RD&D to address properly social/societal dimensions that are attached to the whole long-term picture of GD governance.



# Technical & Complex research topics

- Identification of two categories of research topics in the field of GD involving different kinds of CS contributions :
  - ✓ **Research topics where technical aspects are predominant** in which the presence of experts from the CS is sought in the logic of the "knowledge sharing and interpretation" (KSI, see part on JP governance)
  - ✓ **Complex research topics** involving technical and social sciences dimensions as well as necessitating multi-stakeholders engagement (WMOs, TSOs and CSOs) and citizen sciences
- Together with SITEX II, Task 3.5 has worked out several examples of complex research topics to be proposed for Joint Programming

## Complex research topics elaborated with SITEX II

### Research projects proposal

- A - Final operation licence (before full commissioning)
- B - Intergenerational governance of the GD operational phase
- C - Conditions for closure

### Research topics to be framed by Horizontal network activities

- D - Design optimisation, based on operational experience
- E - Shared safety culture
- F - Site characterization & siting process

## II- Conditions and means for Civil Society involvement in the JP governance



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# Guide for the evaluation of JP governance patterns

JOPRAD – Task 3.5 – Conditions of Civil Society's involvement



Contract Number: 653951

## Draft document- Task 3.5

### Guide for the evaluation by Civil Society of potential governance patterns of R&D European Joint Programming on Geological Disposal

Work Package 3

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## SC criteria for assessing the governance of the JP

- ✓ Independence of public experts, fair conditions for CS involvement
- ✓ Quality of R&D process (plurality of researchers, transparency)
- ✓ GD issues coherently integrated in the European R&D strategy on RWM,
- ✓ Particular attention to risk transfer over time & space,
- ✓ Flexibility of the process (capacity to include new topics and new partners along time)
- ✓ Consistency of joint prioritisation
- ✓ Balance / equity in setting R&D priorities:
  - Between different mandated actors
  - Between national programmes

## Potential functions for CS in the Joint Programming

The effective CS contribution necessitates the direct involvement of CS experts together with a larger group of non specialised members of the public (NGOs group).

- Contribution to the Governance of the JP
  - CS experts, NGOs group
- Contribution to the Research
  - ✓ Technical R&D topics : Knowledge Sharing and Interpretation
    - CS experts, NGOs group
  - ✓ Complex R&D topics :
    - CS experts, NGOs group, Social Scientist

# modalities of CS engagement in EJP 1/2

- **Regarding the governance of the JP:**
  - ✓ Access of CS to the Technical, Horizontal and Networking activities of the JP
  - ✓ CS is represented
    - in the Executive board,
    - in the Scientific and Technical Development Board,
    - In the Horizontal Activities Development board,
    - In the Ethical advisory board.
- **Regarding the Ethical and advisory board:**
  - ✓ It will evaluate the on-going activities and prepare an Ethical and Societal report on the EJP activities to the Executive Board.
  - ✓ It will also propose evolution of governance for the on-going and following EJP
  - ✓ The Secretary of the Ethical and Advisory board is expected to be a CS partner

# modalities of CS engagement in EJP 2/2

- **Regarding the Networking activities:**
  - ✓ The CS networking activities will be structured as CS “Think tank” activity. It will allow developing Strategic and programmatic activities of Civil Society actors.
- **Two categories of CS participants are considered :**
  1. The Civil Society Participants directly involved in the joint programming as linked third parties.
  2. The larger Group of CS representatives, as experts.
  - ✓ The first category will presumably be linked third parties to a European association involved in the JP consortium (SITEX Association).



# Thank You !

## The Joint Programming



TSOs

WMOs

Research Entities

JRC

European Commission