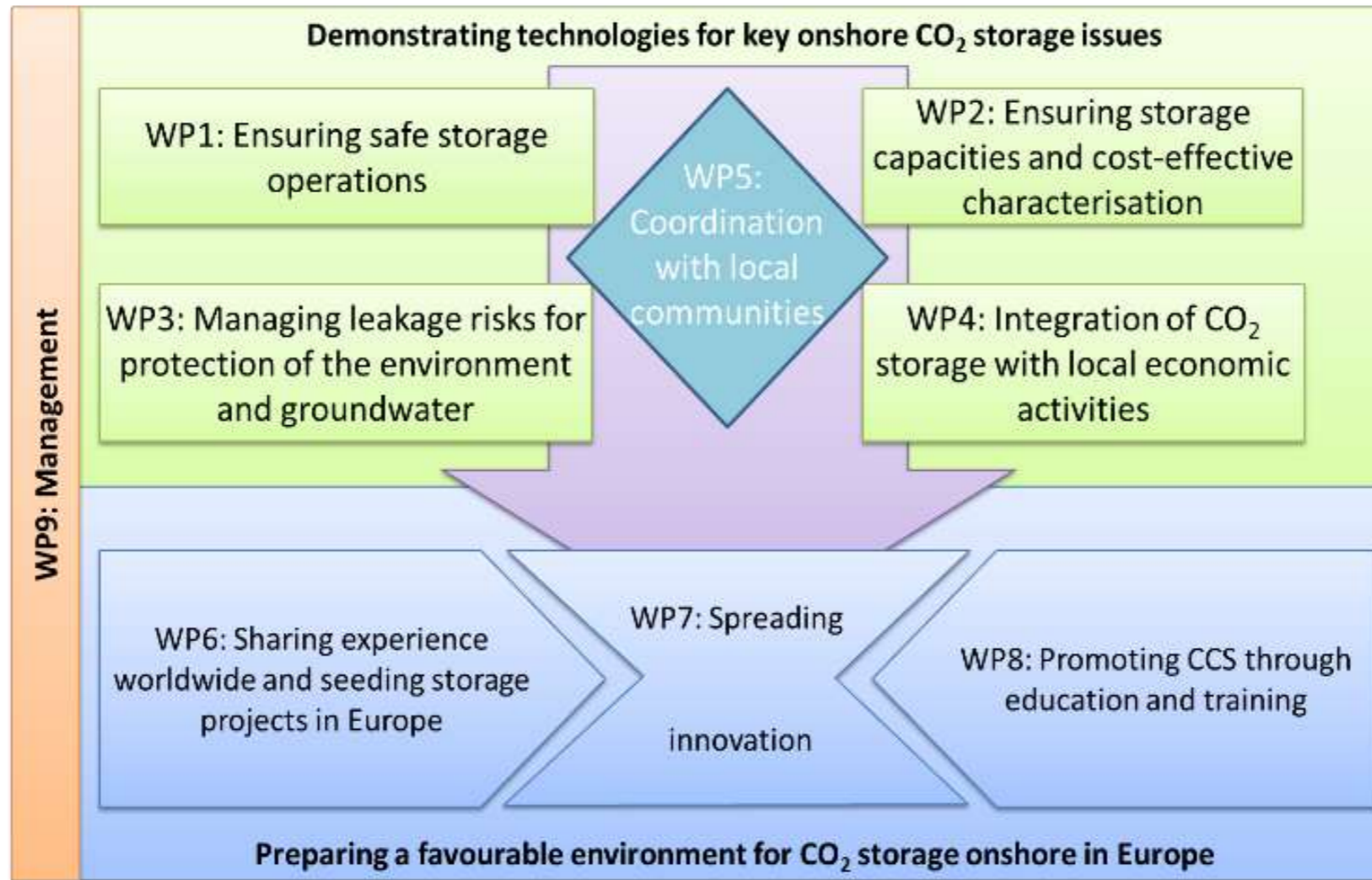




ENOS -Integration of CCS/CCUS with local activities

Samuela Vercelli CO₂GeoNet– University of Rome La Sapienza

CCUS locally and at European level – GIG, Katowice 10 December 2018

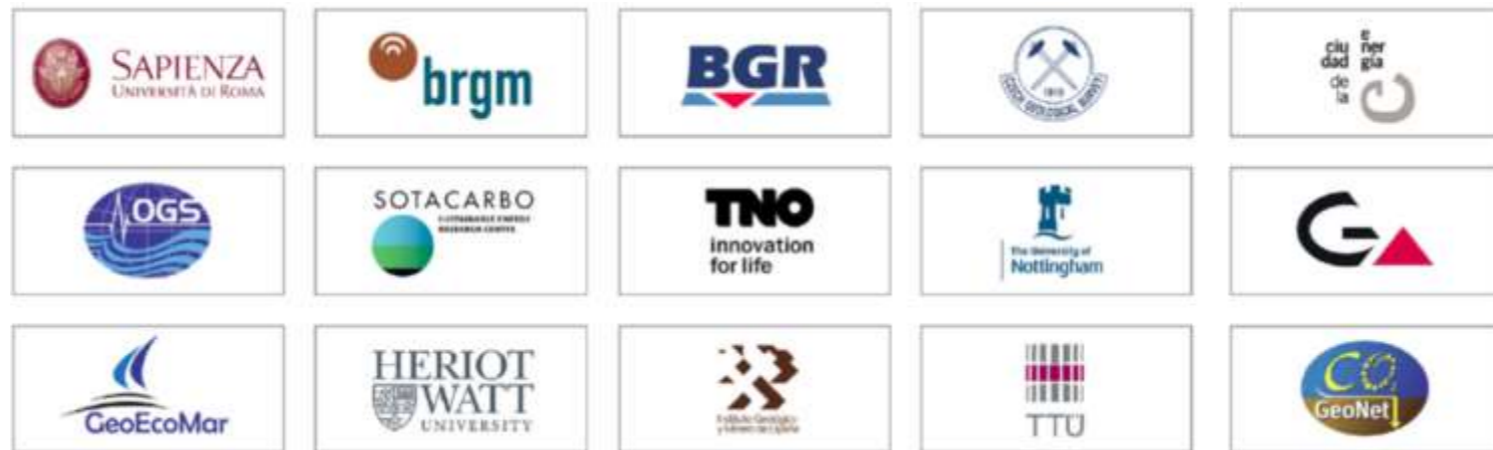


Enabling onshore storage...

Creating a favourable environment...

ENOS WP5 – Coordination with local communities

- **Core group partners:** Sapienza University of Rome and Sotacarbo (Sulcis experimental site), CIUDEN (Hontomin pilot site), TNO (Rotterdam area), University of Nottingham (GeoEnergy TestBed experimental site)



The need for an «evolution»

- The issue of the so-called «public acceptance»
- Social isolation of highly complex technological developments
- Previous projects: from CO₂GeoNet to R&Dialogue

- Evolve, Revolve, Revolution...
- ...Connect... CO₂ Storage research to civil society

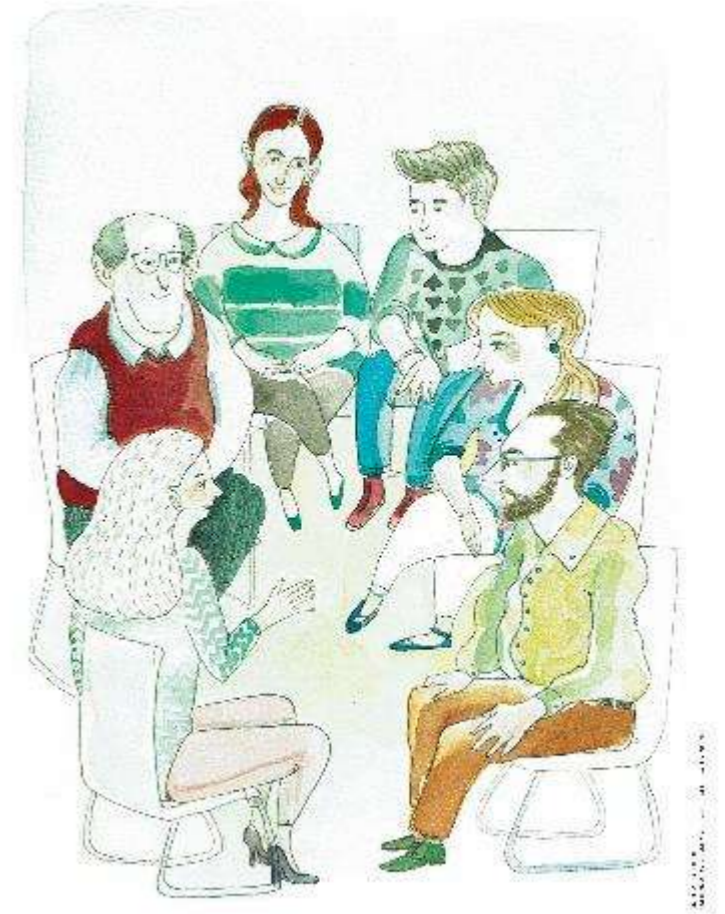
- ENOS research on how we can work together with members of the public
- Making Responsible Research and Innovation a concrete reality

Creating opportunities to interact in a “circle mode”: equal consideration of all points of view, dialogue and circular communication



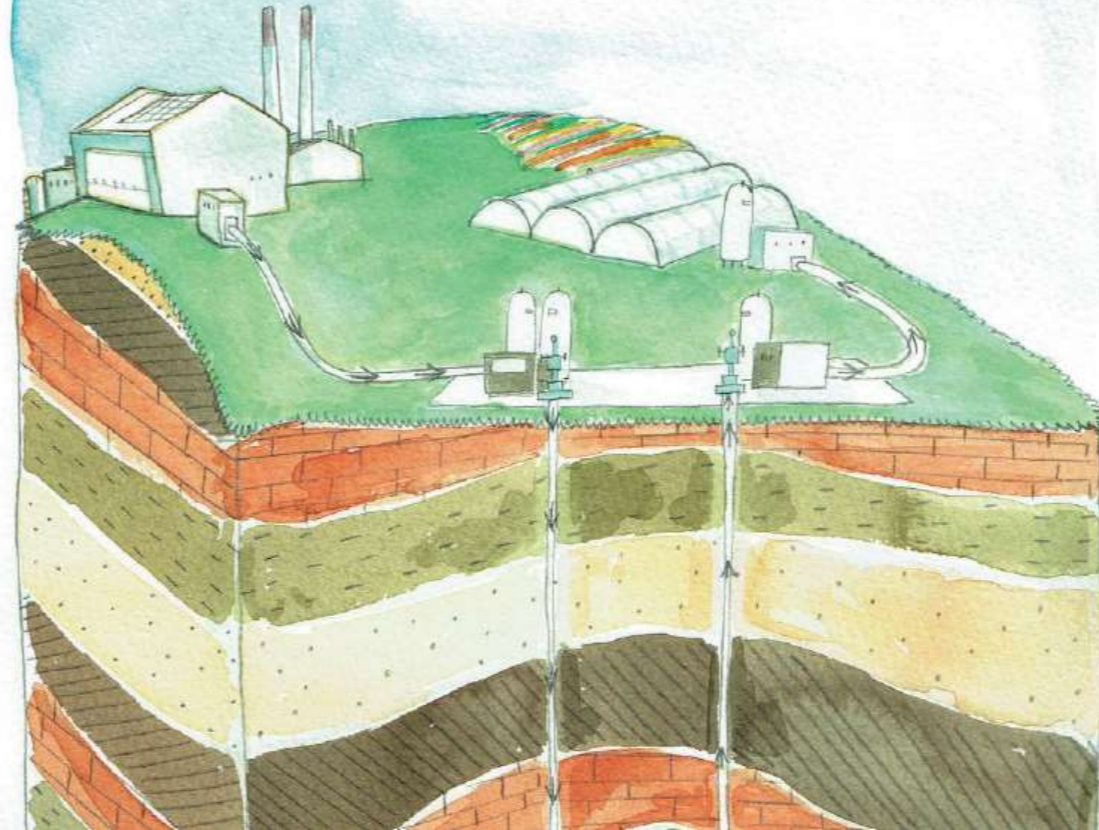
Objective

- Coordinate technical work with the local communities':
 - Needs and perspectives
 - Fears
 - Expectations
 - Interests
 -
- By establishing a long term conversation with citizens
- To integrate societal requirements in the research process and in the design of onshore CO2 storage sites



The importance of identifying synergies

ECONOMIC BENEFIT IN ADDITION TO CO₂ EMISSIONS' REDUCTION



Developing research with the contribution of members of the public

- it's not just communication
- It's not just public engagement
- It's not just stakeholder involvement

- *Coordination with local communities*

- It's establishing a dialogue to get onboard the contribution of members of the public for developing the research with sensitivity to social aspects

Building a base for reciprocal understanding

1. Exploring common grounds internally in the project

- Explaining our work to the other researchers
- What we want to communicate
- Language/jargon

2. Explaining the project and its context

- Reasoning on our work having the population in mind



Coordination with local communities starts with multidisciplinary collaboration & coordination in the project

D5.1 “Participating in CO₂ Geological Storage Research”



Presentation of the project in lay terms

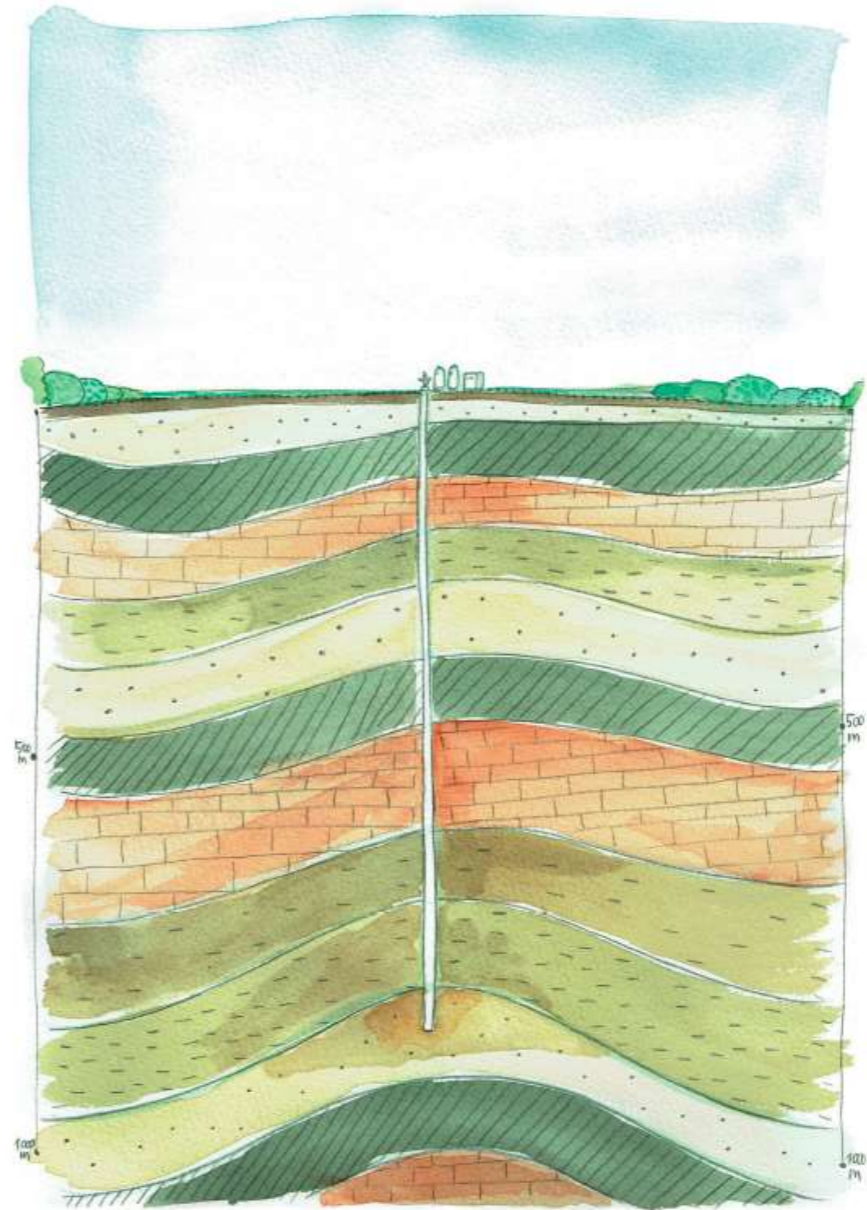
- Designed for the group work with citizens, as a starting point to enable their input in the best practices
- Created through a participative process, including feedback from members of the public
- Two parts:
 - Putting ENOS research into context
 - CO₂ storage issues addressed in ENOS

Verbal + visual communication

Artistic design

Easier approach to the technical topics through «human» approach and feeling

Collaborative process between artist and researchers





SELECT LANGUAGE

English ▼

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People want to be part of it

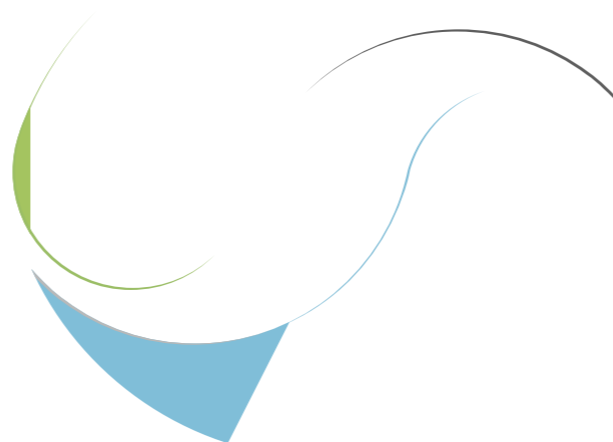
- **Timing** for public and local communities involvement in CO₂ storage projects requires a radical change of perspective: «**it's never too early**»
- **Preparation** for coordinating CO₂ storage research with local communities is a complex process which includes a variety of tasks like:
 - developing personal commitment,
 - coordinating with the technical operations,
 - loosening the knots of jargon and raising awareness of communication issues,
 - integrating multidisciplinary approaches,
 - creating new pathways for specific communication challenges like images
 - and much more...

Humans need to connect to achieve higher goals

Setting goals which protect both collective and individual interests



Thank you for your attention!
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ENOS
Enabling Onshore CO₂ Storage

www.enos-project.eu



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