

The **CGS Europe** Project

CO2 Geological Storage Europe

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CGS Europe is different

- **CGS Europe** is a *collaborative* project, involving extensive structured networking, capacity building through knowledge transfer and information exchange
- Builds on and expands boundaries of CSLF-endorsed CO2GeoNet project to form a truly pan-European body of research expertise in the geological storage of CO₂
- FP7 project set up to address the need to accelerate the spread of CCS knowledge and technology throughout the whole of Europe and thus to:
 - support the implementation of the Directive on the geological storage of CO₂ in all relevant EU member states and associated countries
 - support large scale demonstrations and, ultimately, commercial deployment



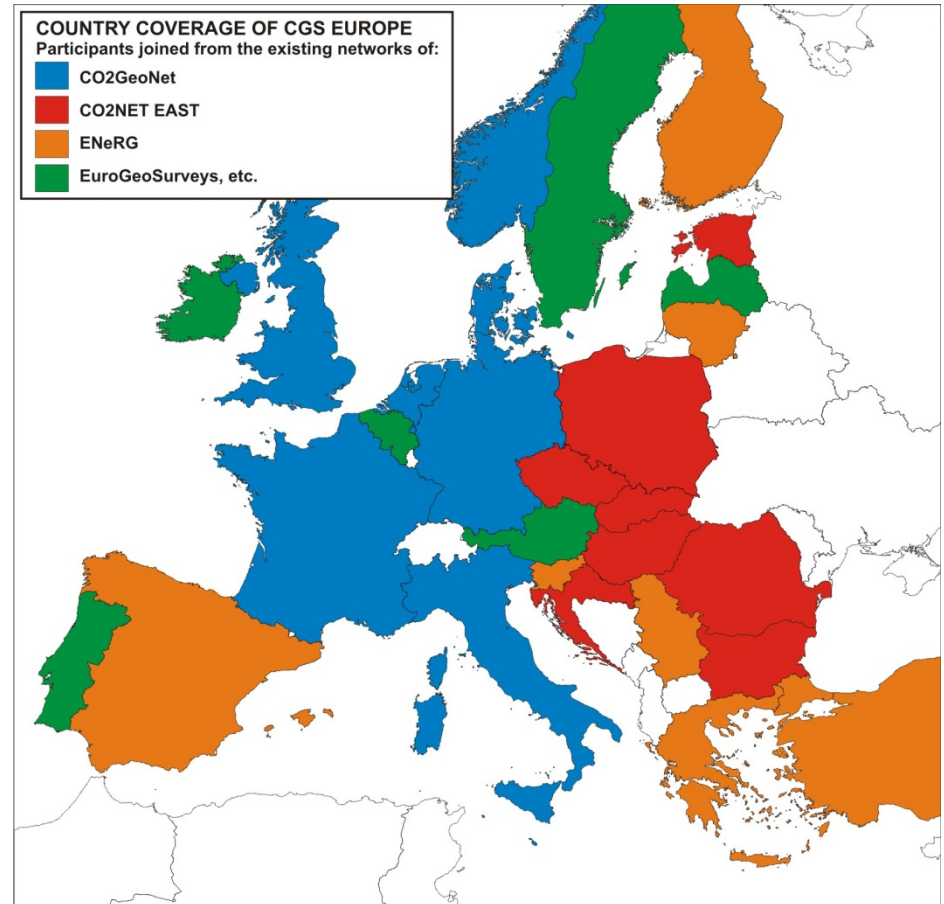
Project aims

- To create a credible, independent, durable and representative pan-European scientific body of expertise in the geological storage of CO₂ that will:
 - Instigate a durable network of research capacity across the whole of Europe
 - Liaise and coordinate its activities with other stakeholders in Europe
 - Reduce the gap between ‘forerunner’ and ‘follower’ countries
 - Provide an independent source of information, research and advice for national, European and international stakeholders
- CGS Europe wants to form the sound foundation of research organisations and expertise on which to build the large-scale implementation of CO₂ geological storage throughout the whole of Europe



Who is involved?

- **24 partners** (one of which, the **CO2GeoNet Association**, comprises 11 of its members as third parties) from **28 participant countries**
- Almost complete European coverage and specifically includes all countries with considerable storage potential
- All participants are key research institutes in their countries and many are leaders on CO₂ storage research at national and international levels, working as independent bodies

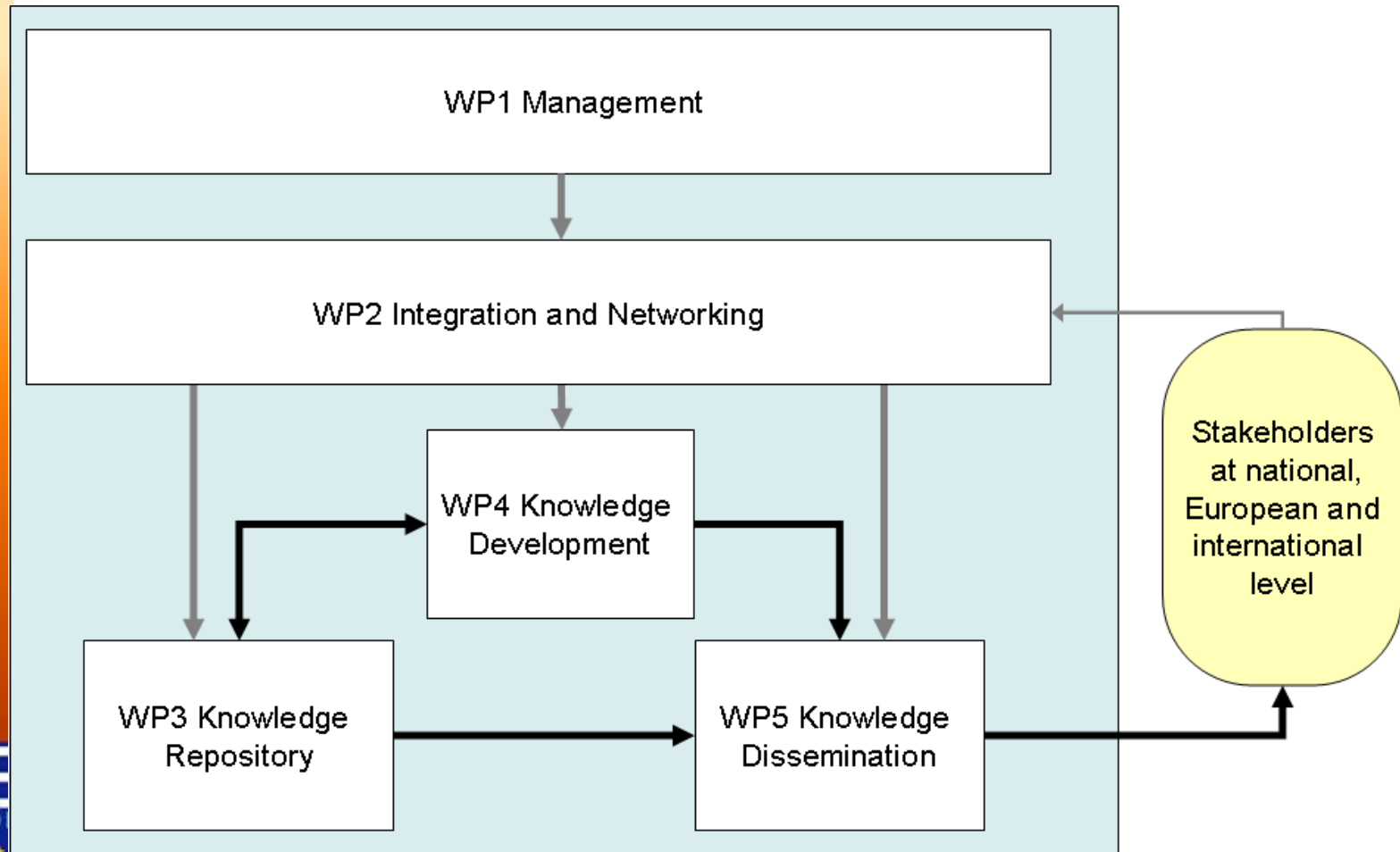


Project details

- A 'coordination action' financed by the EC FP7: total budget of 2.9 M€
- 3 year funding duration: launched on 1st November 2010
- Aim to continue as a long-lasting organization well beyond period of EU funding
- Advisory board comprising key participants from ZEP, Global CCS Institute & WWF will provide external feedback and advice as to how best to orientate CGS Europe activities



Project outline



Project overview

- WP2: Integration & Networking
 - Encourages participants to work together, develop networking activities with external bodies and search for expansion of activities through external funding in order to prepare for self-financing. Also task to look at paths to durability
- WP3: Knowledge Repository
 - To produce relevant, concise, complete and helpful European CO₂-storage-related information. Will develop a searchable database of key storage-related literature and 3 summary reports



Project overview

- WP 4: Knowledge development
 - Capacity building by knowledge transfer to bridge the gap between ‘forerunner’ and ‘follower’ countries. Includes development of research groups, 6 knowledge-sharing workshops and staff exchange programme
- WP 5: Knowledge dissemination
 - Aim is to spread the results to a broader audience in a clear and appropriate manner to a wide range of stakeholders. Includes websites, Annual Forum, 3 Awareness-raising workshops, ‘Spring school’, presentations / publications and interaction with the media



Goals

CGS Europe will build a credible, independent and representative pan-European scientific body of expertise on CO₂ geological storage that will:

- instigate a durable networking of research capacity across Europe;
- liaise with other initiatives in Europe to help coordinate CGS Research at national, European and international level;
- help reduce the existing gap between the 'forerunner' countries, and those countries where these actions are not yet happening;
- contribute to the large-scale demonstration and industrial deployment of CCS;
- support the implementation of the European Directive and other regulatory regimes on CGS.

Key Facts

3-year project: Nov 2011- Oct 2013

Funding: EC FP7 Coordination Action

Budget: 2.9 M€

24 Participants

34 institutes specialized in CO₂ storage

24 EU Member States and 4 Associated Countries



Why should CSLF endorse CGS Europe?

- **CSLF will promote the technical environment for the development of CCS (Article 1)**
 - This is at the core of the CGS Europe project. It will encourage this throughout Europe, through its Integration and networking, knowledge repository, knowledge development and knowledge dissemination work packages (WPs 2,3,4 & 5)
- **CSLF will seek to ‘identify potential areas of multilateral collaboration on carbon storage technologies’ (Article 2.2)**
 - CGS Europe will promote this through its knowledge management and development work packages (WPs 3 & 4.1)
- **CSLF will seek to ‘foster collaborative research...’ (Article 2.3 and description of types of collaborative projects CSLF will encourage)**
 - CGS Europe will encourage this across Europe through its knowledge development work package (WP 4.1)
- **CSLF will organise ‘collaboration with all sectors of the research community, including industry, academia, government and non-governmental organisations’ (Article 2.8)**
 - CGS Europe will achieve this through its Integration and networking, knowledge repository, knowledge development and knowledge dissemination work packages (WPs 2,3,4 & 5)
- **CSLF may endorse collaborative projects that include information exchange (Description of types of collaborative projects CSLF will encourage)**
 - CGS Europe will enable this to take place from a large range of projects through its knowledge repository and knowledge development work packages (WP 3, 4). This will enable linking of the entirety of what is happening in Europe in CCS to elsewhere

