



Overview of CGS Europe activities in the next three years

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CGS Europe

Pan-European coordination action on CO₂
Geological Storage

(Coordination and support action)



THEME [ENERGY.2010.5.2-2]

[Trans-national cooperation and networking
in the field of geological storage of CO₂]

Project duration: 3 years (Nov. 2010 – Oct. 2013)

Budget - Total eligible costs: 2,9 M€; EU contribution: 2,2 M€
(CO2GeoNet : Total eligible costs: 1,2 M€; EU contribution: 0,9 M€)

24 Partners (including the CO2GeoNet Association),
representing **34 research institutes** over **28 countries**

Coordinator: BRGM – Isabelle Czernichowski-Lauriol



Objective

- ➔ **To 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 on CO₂ storage in Europe
 - liaise and coordinate its activities with other stakeholders, including the ZEP Technology Platform
 - help reduce the existing gap between the 'forerunner' countries, and the 'follower' countries
 - contribute to the large-scale demonstration and industrial deployment of CCS
 - support the implementation of the EU Directive on the geological storage of CO₂ and other regulatory regimes



Building on the CO₂GeoNet Adventure

CO₂GeoNet is the European scientific authority on CO₂ geological storage



Created as a FP6 Network of Excellence in 2004

Transformed into a non profit scientific Association under French law in 2008

Activities:

- Joint research
- Scientific advice
- Training
- Information and communication

As an independent and multidisciplinary scientific body, CO₂GeoNet has the key role of building trust on CO₂ geological storage and supporting wide scale CCS implementation

International recognition:

- CSLF-endorsed network
- MoU with IEAGHG



Expanding CO₂GeoNet Activities to the Whole of Europe

From CO₂GeoNet...



7 countries, 13 institutes

Denmark: GEUS

France: BRGM, IFP

Germany: BGR

Italy: OGS, URS

Netherlands: TNO

Norway: NIVA, RF, SPR

UK: BGS, HWU, IMPERIAL

...to CGS Europe



Almost full EU coverage with:

24 Member States

4 Associated Countries (Croatia, Norway, Serbia, Turkey)

34 Research Institutes (including CO₂GeoNet members as 3rd parties)



Pooling European Scientific Expertise on CO₂ Geological Storage

Started with **CO₂GeoNet** in 2004

CGS Europe will enlarge this pooling to the whole of Europe through collaboration with key geoscientific institutes from:

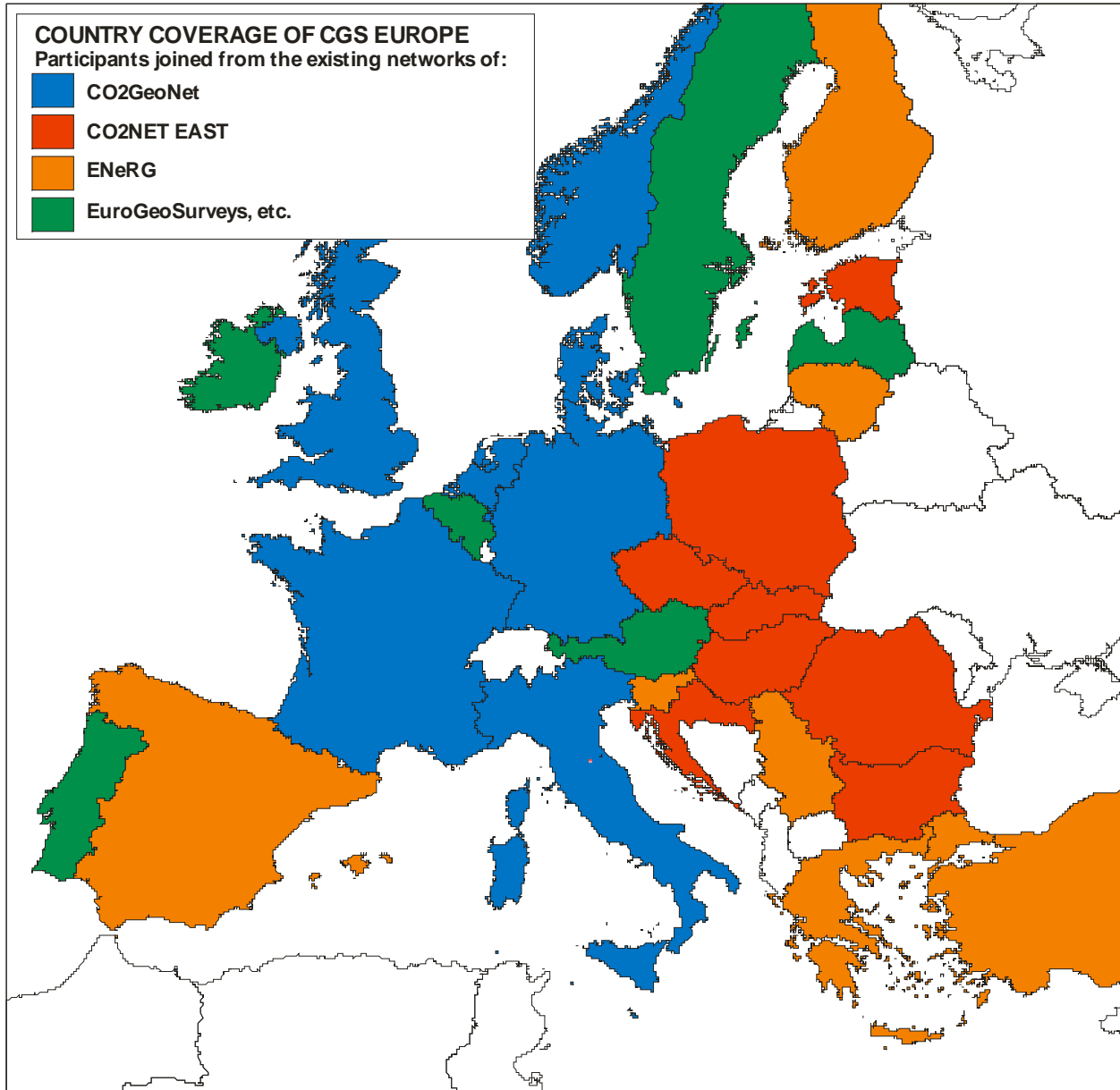
- **CO₂NET EAST** – Coordination Action on CCS (2006-2010), involving 7 R&D institutions representing 5 new EU Member States and 2 Associated Countries
- **ENeRG** – European Network for Research in Geo-Energy, created in 1993, 60 members from 28 countries
- **EuroGeoSurveys** – European Association of national geological surveys

The sound pre-existing networking experience of the selected institutes will speed up the process of building an efficient Pan-European body of expertise.



COUNTRY COVERAGE OF CGS EUROPE
Participants joined from the existing networks of:

-  CO2GeoNet
-  CO2NET EAST
-  ENeRG
-  EuroGeoSurveys, etc.



CGS Europe Strategy

Focus on **knowledge management**:

- **Knowledge Repository**: collect, structure, summarize knowledge for easy use
- **Knowledge Development**: joint research through alignment of institutes' research programmes and external support, knowledge-sharing workshops, staff-exchange programmes
- **Knowledge Dissemination**: Annual Open Forum, CO₂ storage awareness-raising workshops, CO₂ storage Spring School, Brochures, central website with links to national websites

Spread knowledge evenly throughout EU Member States and Associated Countries, in as many EU national languages as possible;

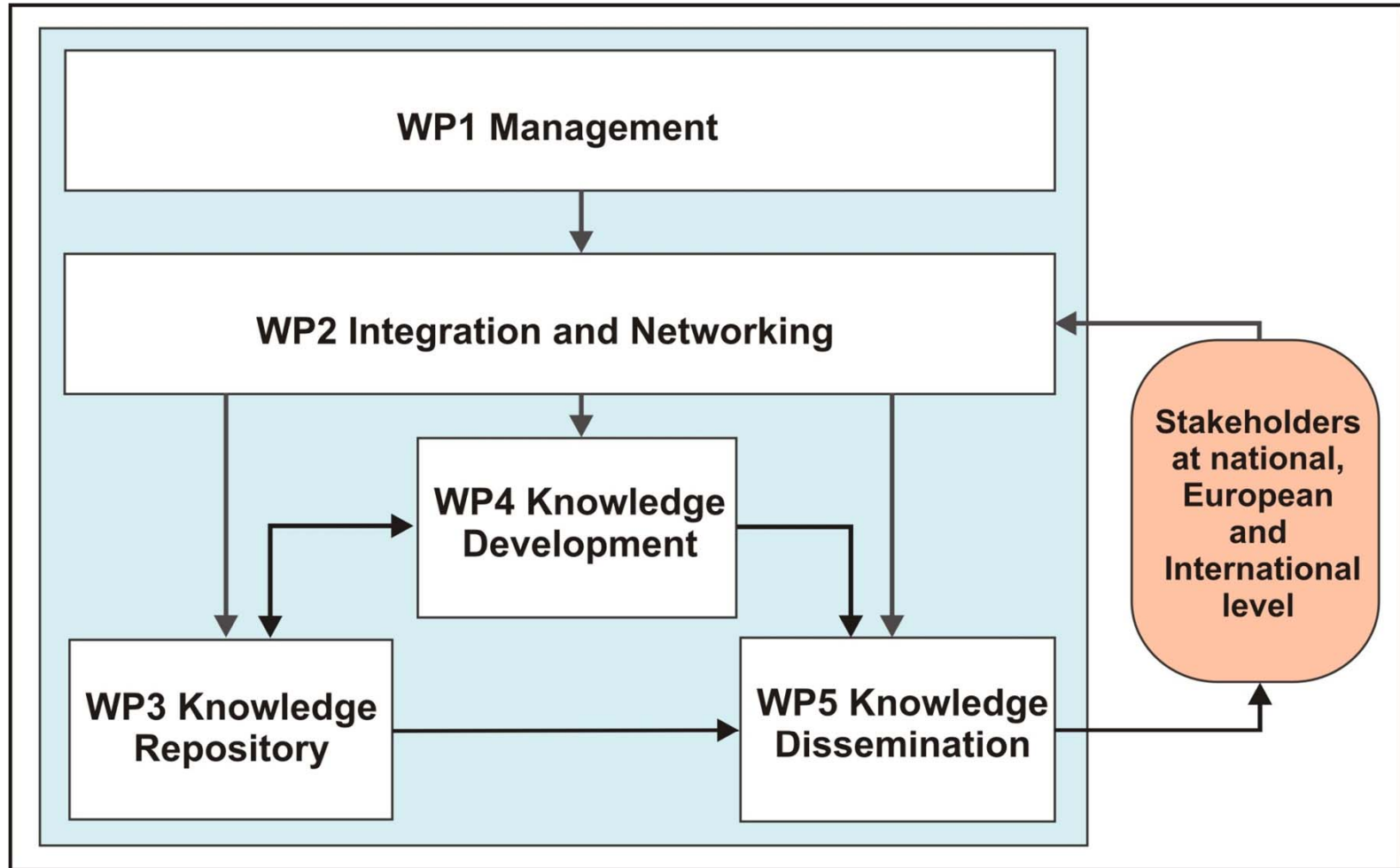
Remain an independent scientific voice, in which the public can trust;

Liaise with relevant initiatives at national, EU and international levels;

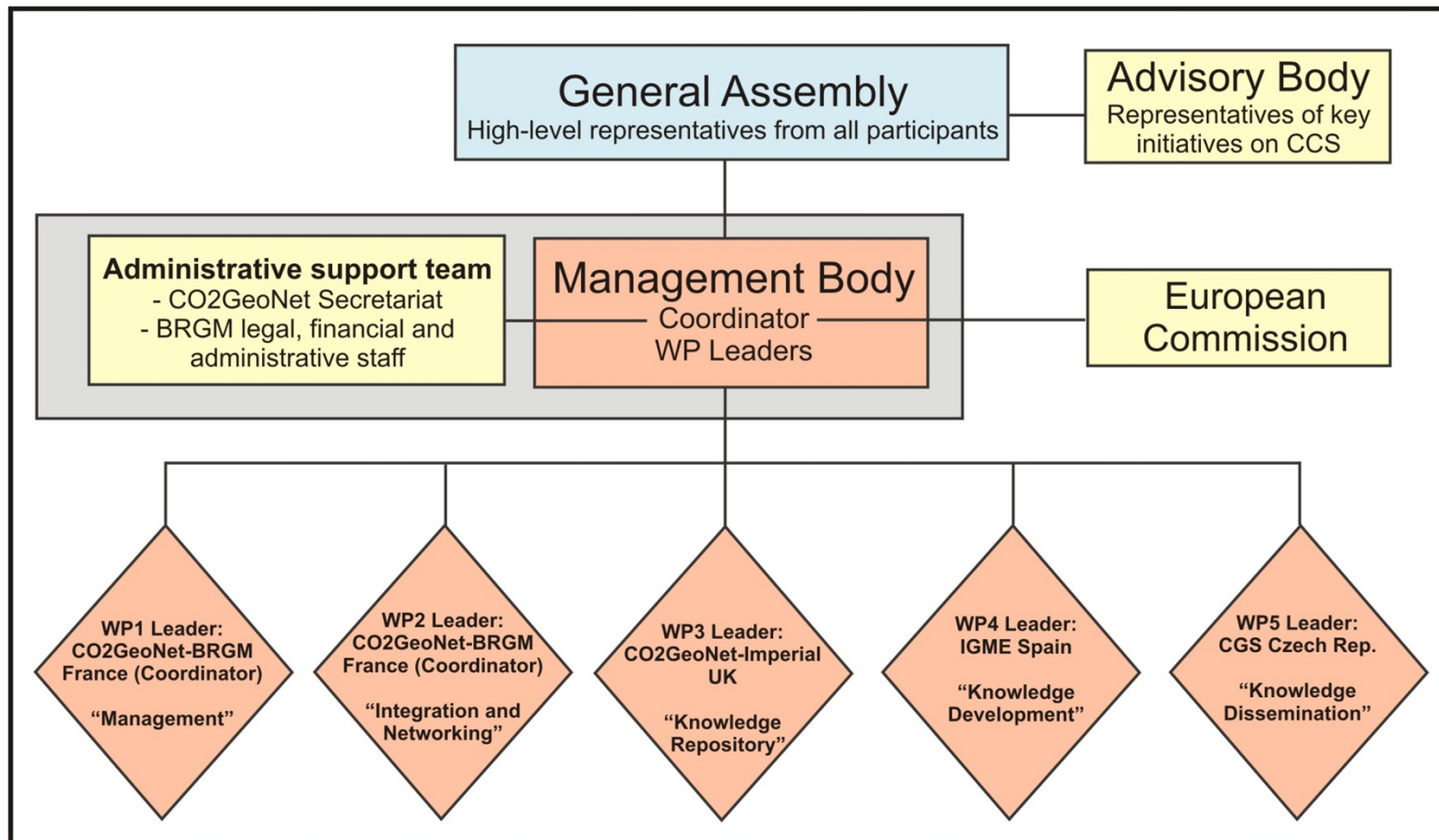
Prepare a framework that will enable the consortium to be independent from EC funding after the end of the project, for example by expanding the membership of the CO₂GeoNet Association.



Work Plan Organisation



Organisational Structure



CGS Europe's Advisory body

- **DG Climate Action:** Martina Doppelhammer, Policy Coordinator CCS and NER 300
- **ZEP:** Niels Peter Christensen, Chief Geologist CCS at Vattenfall
- **Competent national regulatory authority on storage:** Lionel Perrette, in charge of CCS regulation at Directorate General Energy and Climate, France
- **IEAGHG:** Tim Dixon, Manager CCS and Regulatory Affairs
- **Global CCS Institute:** Derek Taylor, Regional Representative Europe
- **NGO:** organization still to be decided



WP1 - Management

Leader: **BRGM**, France

Main objective:

- to execute smoothly and efficiently the operational, legal, financial and administrative management of the CGS Europe consortium

Management Board:

- Isabelle Czernichowski-Lauriol (BRGM)
- Anna Korre (CO2GeoNet – Imperial)
- Roberto Martinez Orio (S-IGME)
- Vit Hladik (CzGS)

CO2GeoNet Secretary General:

- Sergio Persoglia



WP2 – Integration and Networking

Leader: **BRGM**, France

Objectives:

- to encourage and support each participant of the consortium to **work together** through strategic actions guided by joint decisions, in order to build a pan-European scientific body of expertise on CO₂ geological storage
- to **develop networking activities between CGS Europe and external bodies** (national, European, international) and establish initiatives that will last beyond the end of the EC contract
- to search for external funding opportunities in order to expand activities, **prepare for self-financing** after the end of the project period and maximize the impact of CGS Europe
- to run the CGS Europe Secretariat - info@cgseurope.net



WP3 – Knowledge Repository

Leader: **CO2GeoNet-IMPERIAL**, UK

The objective is to produce relevant, concise, complete and ultimately helpful **CO₂-storage-related information** in a uniform and standardised way, aimed at all the stakeholders involved in R&D, small- and large-scale pilot and demonstration projects and regulatory work related to the implementation of the European Directive on the geological storage of CO₂.

Main activities:

- Development of **knowledge repository database**
- Elaboration of **key summary reports** on selected topics:
 - Monitoring methods
 - Storage site selection methodologies and requirements
 - Regulatory regimes related to operational and safety risks



WP4 – Knowledge Development

Leader: **IGME**, Spain

Objectives:

- to encourage **sharing of knowledge** and good practices, e.g. by organising:
 - thematic workshops for geoscientists
 - thematic workshops for other stakeholders
 - staff exchange
- to **coordinate research** capacity and activities between the CGS Europe participants
- to favour the emergence of **new** targeted research **projects**

} 1st one on
regulatory
issues on
May 11



WP5 – Knowledge Dissemination

Main activities:

- Project website www.cgseurope.net
- Annual Open Forum - Venice
- Knowledge dissemination workshops on CO₂ geological storage
- CCS awareness raising workshops
- Short course on CO₂ storage (Spring School)
- Presentations and publications, incl. translation of the educational brochure 'What does geological storage of CO₂ really mean?' into national languages
- Interaction with media, incl. CCS awareness-raising in 'follower' countries, workshop with EUSJA, press releases, etc.



Project Website

CGS EUROPE

LOGIN username password » Forgot Password?

<http://www.cgseurope.net>

Pan-European coordination action on CO2 Geological Storage

HOME NEWS & EVENTS

NEWS & EVENTS

CO2 Capture and Storage - Response to Climate Change
CGS Europe is delighted to announce its first Regional awareness-raising workshop entitled "CO2 C »

CO2GeoNet 6th Open Forum
This annual CO2GeoNet event will be organized in 2011 through CGS Europe. It will bring together »

CGS Europe Kick-off meeting
The Kick-off meeting and 1st General Assembly of CGS Europe took place in Paris on 29-30 Nove »

ABOUT

CGS Europe - the "Pan-European coordination action on CO2 Geological Storage"
CGS Europe, the "Pan-European coordination action on CO2 Geological Storage", is a project funded within the 7th Framework Programme of the European Community for research, technological development and demonstration activities. CGS Europe pools together the expertise of the key research institutes in the area of CO2 geological storage in European Member States and Associated Countries. It sets up coordination and integration mechanisms between the CO2GeoNet Association - the

HOT OFF THE PRESS

GEO ENERGY
CGS Europe - launch of a Pan-European Coordination Action on the geological storage of CO2

CGS Europe launch was announced in the ENErg Newsletter n.22/2011.

[Click here to download the pdf version.](#)



First event organised

CCS awareness-raising workshop, CO₂ capture and storage – response to climate change'

13-14 April 2011, Vilnius, Lithuania



Second event this week!

CO2GeoNet 6th Open Forum

9-11 May 2011, Venice, San Servolo Island
including

CGS Europe knowledge-sharing workshop

"Legal and regulatory issues for the implementation of the EU Directive on the geological storage of carbon dioxide"

