

Project no.:
218868

Project Acronym:
ECCO

Project title:
European value chain for CO₂

Instrument: Collaborative Project
Small to medium scale integrated project

Start date of project: 2008-09-01
Duration: 3 years

D1.1.2
Website for the ECCO project

Revision: Final

Due date of delivery: 2009-02-28
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Organisation name of lead contractor for this deliverable:
SINTEF Energy Research

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential , only for members of the consortium (including the Commission Services)	



Deliverable number:	D1.1.2
Deliverable title:	Website for the ECCO project
Work package:	WP1.1 ECCO Dissemination and training
Lead contractor:	GEUS

Status of deliverable		
Action	By	Date
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Abstract
<p>As a part of the running dissemination activities a website is established to give information about the ECCO project. The website will be continuously updated with project news. A restricted area, available to the partners only, contains project information such as meeting information, progress and economy reports, and deliverables at any stage.</p>



TABLE OF CONTENTS

	Page
1 INTRODUCTION.....	3
2 WEBSITE.....	4

1 INTRODUCTION

The ECCO website is established to give information about the project to the public. The deliverables in ECCO are classified with nature report, prototype, demonstrator or other. This deliverable has nature “other”, and this document serves as documentation that the D1.1.2 Website is delivered.

In Annex 1, in the WP 1.1 work package description, the following description is given of task 1.1.2 Website (section B1.3.5):

Task 1.1.5: Website development (SINTEF-ER and BELLONA with support from GEUS)

A website will be created containing unrestricted information about the ECCO project; its progress and results. The website will be continuously updated and linked to existing relevant information networks.

An area restricted to the consortium will contain meeting documentation, progress and economy reports, and deliverables at any stage. The website will be made available in English. All final publications (scientific reports, articles and other presentations) will be available for download, and notification for new reports will be offered.

The website will be in operation from month 6 and SINTEF-ER, with the help of all BELLONA and GEUS (input to the website), will be responsible for establishing the website. The minimum lifetime of the website will be 3 years (to the end of the project).

2 WEBSITE

As a part of the running dissemination activities a website for the ECCO project is established. In the public area information about the project like objectives, project overview, activities and partners is given. The website will be continuously updated with project news, and publications with dissemination level public will be available for download. The lifetime of the website will be 3 years to the end of the project. Some pictures from the website are shown below (from 2009-02-28), the web-address is <http://ecco.sintef.no> or <http://www.sintef.no/ecco> or <http://www.fp7-ecco.com>).

The restricted area (Project Hotel), which in fact is the eRoom, contains meeting documentation, progress and economy reports, and deliverables at any stage. This is described in D0.1.1 Project master plan.



Figure 2.1: ECCO website front page.

You are here: ecco / Partners

Internal pages

- Main expected results
- Partners**
- Project expected impacts
- Project metrics
- Project structure
- Publications
- Strategy - key questions
- Tool design
- Users of results

Partners

- SINTEF Energiforskning AS, the Coordinator
- SINTEF Petroleumsforskning AS
- Netherlands Organisation for applied Scientific Research (TNO)
- The European Community, represented by the European Commission's Joint Research Centre – Institute for Energy
- IFP
- Geological survey of Denmark and Greenland
- Norwegian University of Science and Technology (NTNU)
- The Bellona Foundation
- Progressive Energy Limited
- StatoilHydro
- Vattenfall Research and Development AB
- DONG Energy Generation
- University of Zagreb - Faculty of Mining, Geology and Petroleum Engineering
- INA Oil Industry Plc
- MOL Hungarian Oil and Gas Plc
- Project Invest Energy AS
- E.ON Engineering Limited
- RWE Npower

Published October 27, 2008

The project will be coordinated by SINTEF Energy Research

Contact: Petter Egil Røkke

Figure 2.2: ECCO partners.

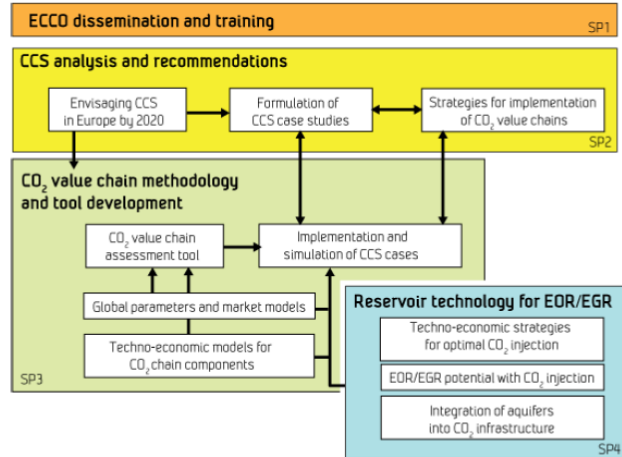


You are here: ecco / Project structure

- Internal pages
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- Publications
- Strategy - key questions
- Tool design
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Project structure

ECCO - European value Chain for CO₂



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The project will be coordinated by SINTEF Energy Research

Contact: Petter Egil Røkke

Figure 2.3: ECCO project structure.



You are here: ecco / Strategy - key questions

- Internal pages
- Main expected results
- Partners
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- Project metrics
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- Strategy - key questions**
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Strategy - key questions

ECCO should provide methodology and tool for evaluation of various CO₂ chain options and so enabling making qualified decisions.

What might be the future CO₂ world?

Scenario analysis -> 2-3 scenarios

- Exist infrastructure?
- Who owns infrastructure?
- How will parameters affecting oil/gas/el market develop?
- What are the incentives/regulations for CCS?

IMPORTANT – best guess - qualified experts opinion

How to identify feasible CO₂ chain options?

Formulation & analysis of cases

- Relevant questions/problem formulation
- Cases reflecting the scenarios
- Cases illustrating the effect and importance of various parameters – sensitivity analysis

IMPORTANT – relevant cases - "smart use of tool"

How to evaluate the CO₂ chain options and choose the most promising solutions for CCS?

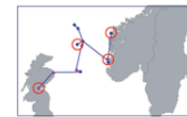
- Tool for economic analysis of CO₂ chain

IMPORTANT – simple BUT high quality input data & consistent implementation

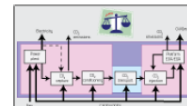
Scenario - "predicting" future CO₂ world



Case study - defining options



Economic analysis - profit vs. costs



Case study - evaluating options & recommendations



Figure 2.4: ECCO strategy and key questions.



European value chain for CO₂

You are here: ecco / Tool design

Internal pages

Main expected results

Partners

Project expected impacts

Project metrics

Project structure

Publications

Strategy - key questions

Tool design

Users of results

Tool design

Overall structure

- Modular - multiple modules chain (Drag and drop)

Global parameters

- Oil price
- Gas price
- EI price
- CO2 quite price

Local parameters

- CO2 capture efficiency
- Characteristic costs for capture
- Pipe length
- Infrastructure
- ...







case 1



case 2



case 3



Figure 2.5: ECCO tool design.