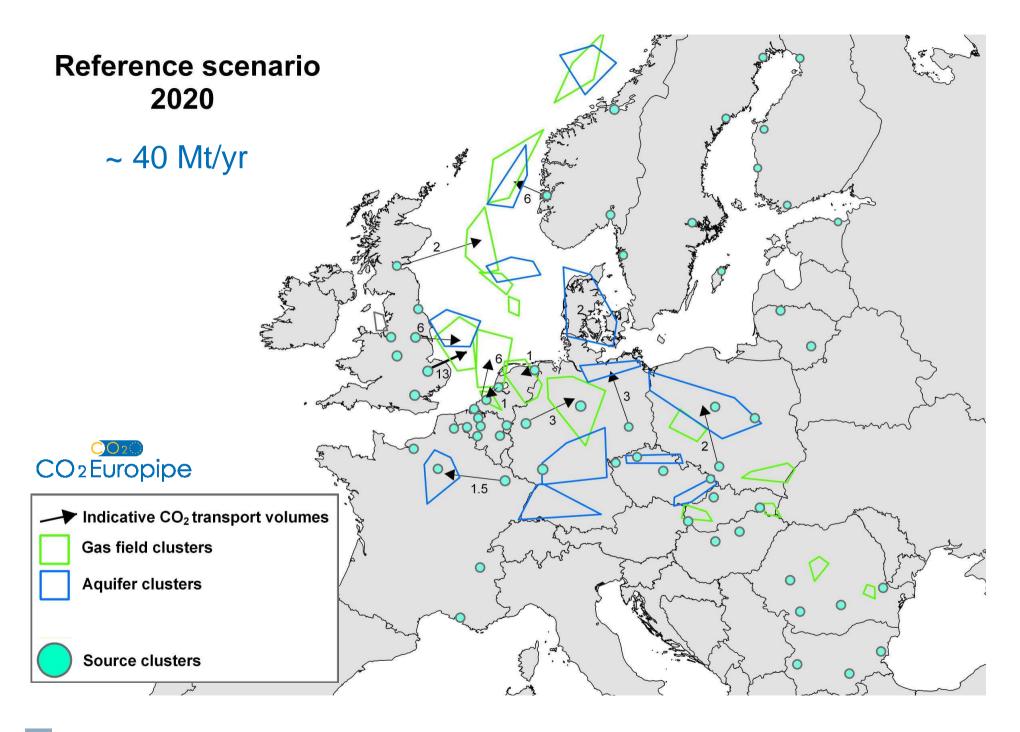
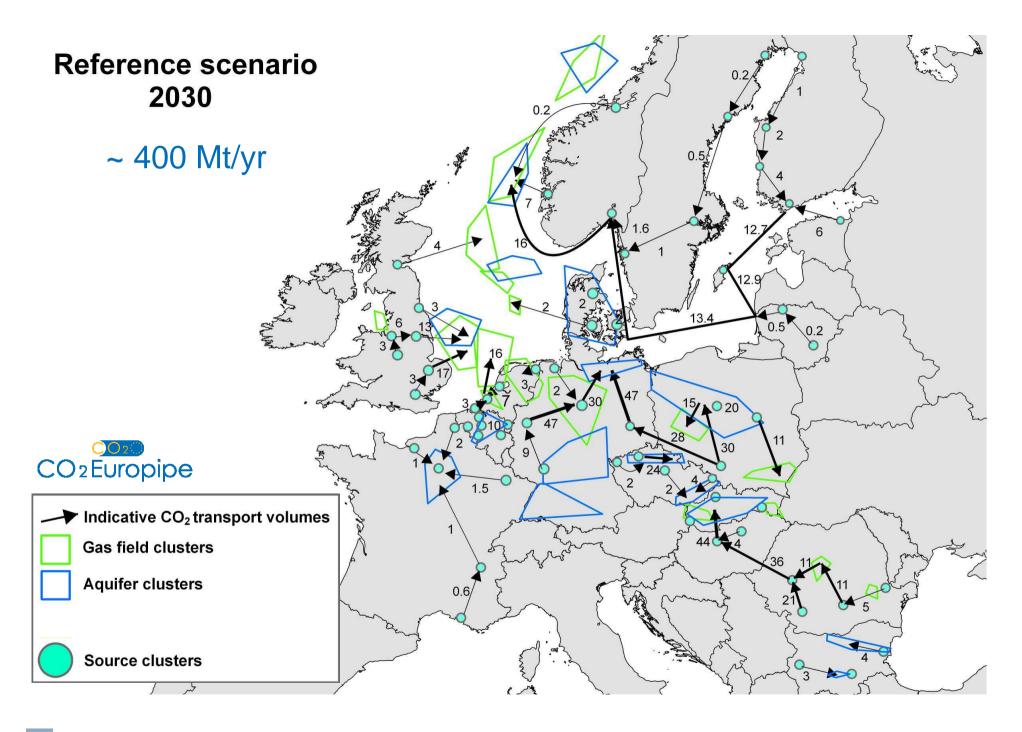


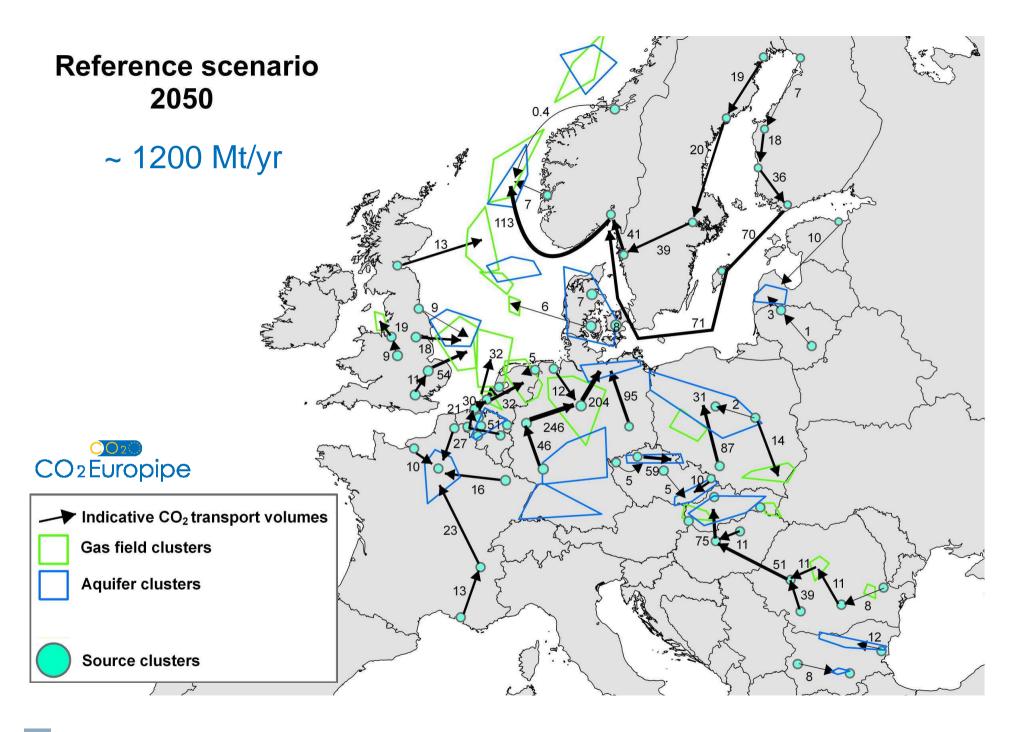


Characterisation of European CO₂ storage

SiteChar First Workshop
The SiteChar workflow







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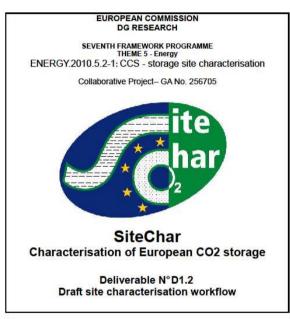
Site Characterisation

- Need portfolio of qualified sites...
 - Planning (future-proofing) infrastructure
 - Improve business case for CCS projects
- ... across EU...
 - Key players in capture, transport, storage
- ... and we need it now
 - Timeline first assessment first injection ~10 years
 - Must prepare for post-demo phase



SiteChar: site characterisation study

- Aim: define workflow for feasibility studies
 - Use experience from recent feasibility studies
 - Align with EU storage directive

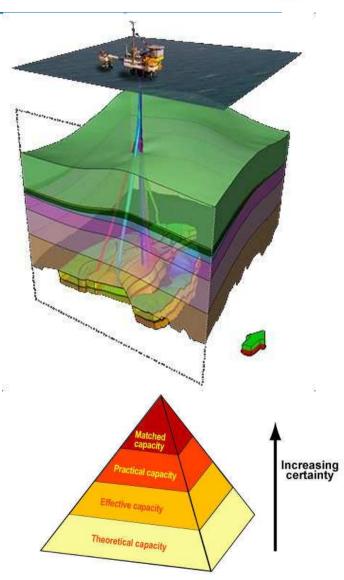


Deliverable No.	SiteChar D1.2	
Deliverable Title	Draft site characterization workflow	
Nature	Report	
Dissemination level	Public	
Lead Beneficiary	TNO	
Written By	Filip Neele (TNO), Florence Delprat-Jannaud (IFPEN), Oliver Vincké (IFPEN), Valentina Volpi (OGS), Manuel Nepveu (TNO), Cor Hofstee (TNO), Jens Wollenweber (TNO), Ane Lothe (SINTEF), Susanne Brunsting (ECN), Jonathan Pearce (BGS), Anne Battari (IFPEN), Axelle Baroni (IFPEN), Bruno Garcia (IFPEN)	
Due date	April 2011	delivered on 5th October 2011



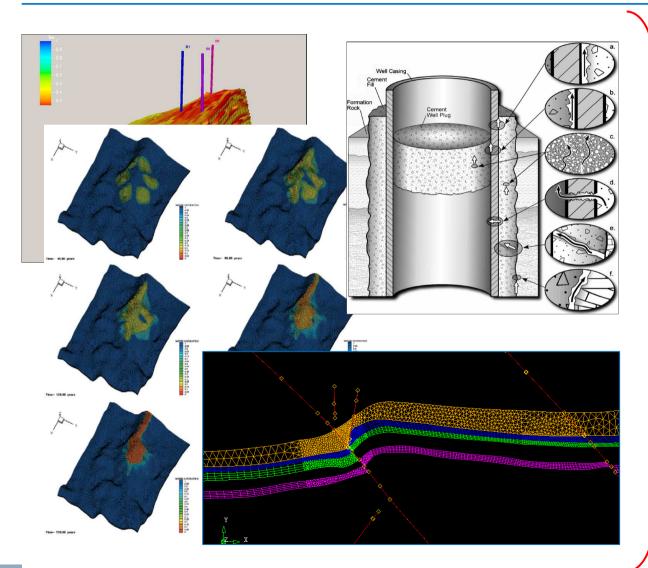
Purpose workflow

- To discuss the work
 - Discussions between operator and authority
- To **focus** the work
 - Focus on high-risk aspects
- To **speed up** the work
 - Many qualified sites required for development of CCS





Elements of a characterisation workflow



EU Storage Directive

DIRECTIVE 2009/13/EC OF THE EUROPEAN FABLIAMENT AND OF THE COUNCIL

OF 23 Agest 2009

on the prolepical storage of carbon decisied and amendic Council Directive \$5/13/JEEC, European Parliament and Council Directive 2000/16/EC, 2001/18/EC, 2001/18



Site Characterisation Workflow

■ The EU Storage Directive...

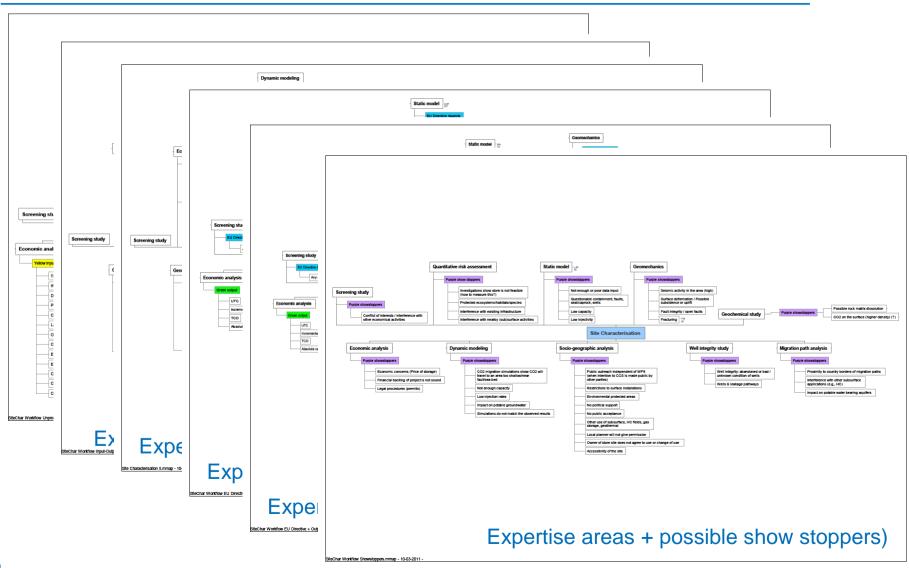
- Requires many aspects to be considered / studied
- Does not prescribe the level of detail
- Does not prescribe method

■ The SiteChar workflow...

- Shows how elements of characterisation study contribute to EU SD list of aspects
- Shows links between elements of characterisation study
- Emphasises need for cooperation between areas of expertise (experts) in characterisation study

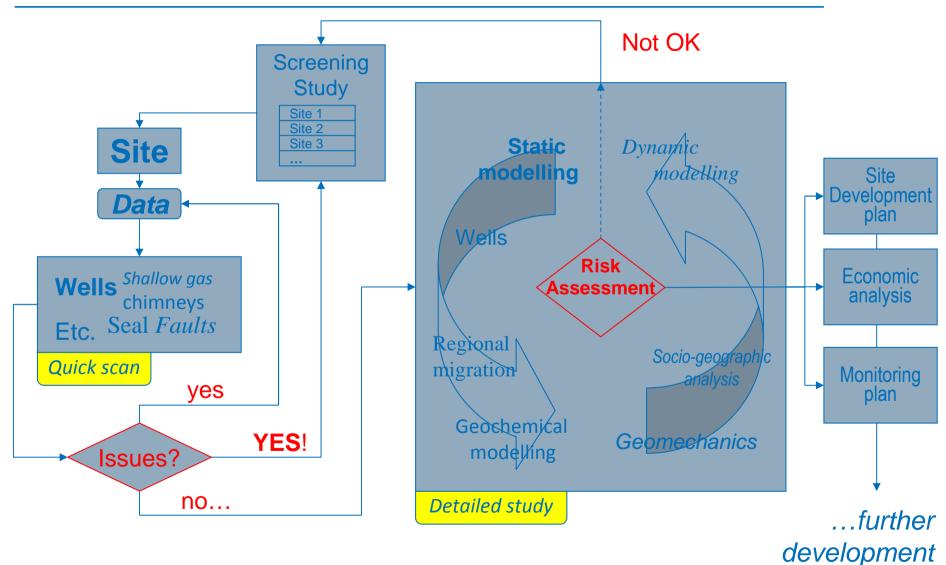


Elements of characterisation study





Workflow – graphical representation







- Public report
- Updated during the project
 - With experience from SiteChar sites
- Final version at end of project
 - **Q3 2013**

EUROPEAN COMMISSION DG RESEARCH

SEVENTH FRAMEWORK PROGRAMME THEME 5 - Energy ENERGY.2010.5.2-1: CCS - storage site characterisation

Collaborative Project- GA No. 256705



SiteChar Characterisation of European CO2 storage

Deliverable N°D1.2 Draft site characterisation workflow

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