

CO₂

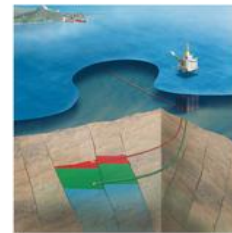
Capture

Transport

Storage

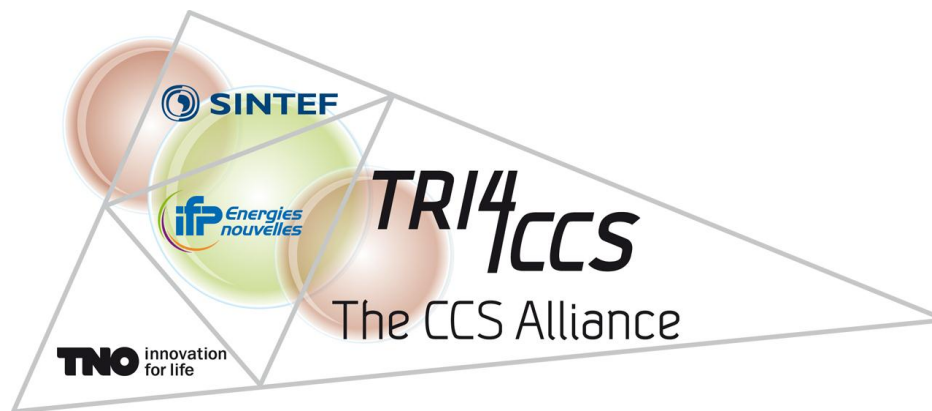
Utilisation

CCS



TRI4CCS

The CCS Alliance



CO₂

Capture

Transport

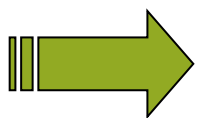
Storage

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CCS: a tool in climate mitigation

- ◆ **Global energy demand is increasing constantly**
- ◆ **The world is still dependent on fossil fuels, responsible for the growth of CO₂ emissions**
- ◆ **In the IEA Blue Map Scenario, CCS is expected to contribute to CO₂ emissions reduction up to 19% within 2050**



CCS technologies will be part of a global solution towards a low carbon economy



CO₂

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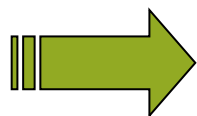
Utilisation

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Members of the Alliance

3 European research institutes have joined forces to create the TRI4CCS Alliance

- ◆ **IFP Energies nouvelles (France)**
- ◆ **SINTEF (Norway)**
- ◆ **TNO (The Netherlands)**



The three members employ a total of 450 scientists in the fields of CCS, with an R&D portfolio in CCS of some €60 million a year.



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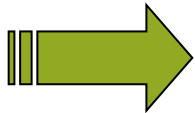
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The Alliance's goals

- ◆ **Developing innovative solutions and products that cover the entire CCS chain**
- ◆ **Making the CCS safer and more cost effective**



By bringing together some of the world's top CCS experts, TRI4CCS is creating a centre for innovation that will boost new ideas and developments beyond today's possibilities



CO₂

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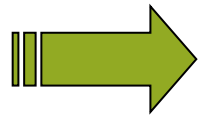
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CCS

An integrated offer

- ◆ Capture
- ◆ Transport
- ◆ Storage
- ◆ Utilization
- ◆ CCS value chain
- ◆ Social acceptance of CCS



TRI4CCS possess a sizable volume of expertise on each individual link in the CCS chain, which enables it to offer an integrated approach to CO₂ capture, transport, storage and utilisation



CO₂

Capture

Transport

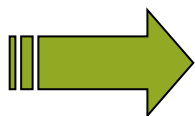
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TRI4CCS' main assets

- ◆ Represented in national, European and global expert groups (EERA, ZEP, CSLF, etc.)
- ◆ Major contributors to European Commission's Framework Programmes
- ◆ The 3 institutes are working closely with the industry
- ◆ Operate large laboratories, test facilities and full-scale storage projects



TRI4CCS offers a unique gathering of resources, expertise and labs



They said...

- ◆ ***"Our aim is to make world-class R&D sources available so that industrial applications can be realised."***
U. Steinsmo, SINTEF CEO
- ◆ ***"The knowledge that the Alliance acquires on CCS and associated risk management may significantly accelerate the introduction of subterranean CO₂ storage."***
J. Mangelers, TNO CEO
- ◆ ***"TRI4CCS relies on a shared vision of the CCS technologies development, a win-win cooperation flexible and reactive to tackle the future CCS market."***
P. Barthélemy, IFPEN Executive Vice-President



CO₂

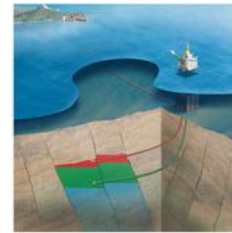
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www.TRI4CCS.info

