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## Isabelle Czernichowski-Lauriol<sup>a,b</sup> and Rowena Stead<sup>a,b</sup>

<sup>a</sup>CO2GeoNet, 3 avenue Claude Guillemin, BP 36009, 45060 Orléans Cedex 2 - France <sup>b</sup>BRGM, French Geological Survey, 3 avenue Claude Guillemin, 45060 Orléans Cedex 2 - France

info@co2geonet.com



www.cgseurope.net

## Developments of CO<sub>2</sub> geological storage in Europe and the role of CO<sub>2</sub>GeoNet

Key milestones for CCS development at EU (top) and global (bottom) levels

EEPR decision 1<sup>st</sup> NER300 call to finance for financing 6 large-scale CCS and

FP3 pioneer research project 1993	Large-scale CO2 injection at Sleipner (Norway) <b>1996</b>		Launch of ZEP Technology Platform EU-ETS 2005	EU Climate Energy Package (20/20/20) 2008	CCS demos EU Directive on the geological storage of CO <sub>2</sub> 2009	renewables demos EII-CCS and EERA-CCS of the SET-Plan 2010	s EU Energy Roadmap to 2050 <b>2011</b>	EC 8 cons on C 2 <sup>nd</sup> N call 2013	Parliame sultation CS	nt Large-scale CCS demos in operation? 2015-2020	Industrial deployment? From 2020-2030
<b>1991</b> Creation of IEAGHG	1997 Kyoto Protocol	2003 Creation of CSLF	2005 IPCC Special Report on CCS	2008 G8 statement on CCS demos	2009 Creation of GCCSI		2011 UNFCCC CCS in the CDM	2012 Creation of an ISO Committee on CCS	2013-20 IPCC 5 <sup>th</sup> Assessn Report (AR5)	014 nent	



## 2004: FP6 CO2GeoNet project (2004-2009); 2008: Creation of the CO2GeoNet Association; 2010: FP7 CGS Europe project (2010-2013); 2013: Expansion of the CO2GeoNet Association

## **CO, GeoNet - the European Network of Excellence on the geological storage of CO**,

- A reference pan-European scientific body on CO<sub>2</sub> geological storage, a key tool for combating climate change and ocean acidification
- Founded in 2004 under the EC FP6 CO, GeoNet project, with 13 key research institutes from 7 European countries
- An Association under French law since 2008, active on both the EU and global scene to help enable efficient and safe CO<sub>2</sub> storage
- Opened up membership in 2013 to gain EU-wide coverage and enhanced strength, thanks to the support of the EC FP7 CGS Europe Coordination Action on CO<sub>2</sub> Geological Storage
- Now 25 members spanning 17 European countries forming a network of over 300 researchers
- Multidisciplinary expertise: geology, geophysics, geochemistry, geomechanics, hydrology, microbiology, reservoir engineering, oceanography, and social science
- Masters all aspects of CO<sub>2</sub> storage: site selection & characterization, modelling & monitoring of CO<sub>2</sub> fate and site behaviour, risk assessment —including possible local impacts on humans and ecosystems, and safety protocols









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