

We hereby provide information about our organisation with the intention to team up with other CCUS experts. We are interested in discussing new project proposals to upcoming ACT Calls related to subjects listed below.

1. Name of Institution

OGS – National Institute of Oceanography and Applied Geophysics

2. Specialities field within CCS

Reservoir identification and characterization:

geological characterization; geological modelling; geophysical modelling inversion; potential storage sites identification; CO₂ storage capacity calculation;
surface and borehole geophysical data acquisition (VSP and crosswell), processing and interpretation; seismic base line and time lapse data; seismic inversion; well-log data interpretation; wellbore integrity; geoelectric and electrochromagnetics; microseismicity; joint geothermal-CCS.

Monitoring:

Geophysical monitoring (including baseline and dynamic survey, modelling and borehole seismics, including Seismic While Drilling (SWD) and fibre optic (DAS)); Seismic monitoring (including active and passive seismic methods, early warning system, seismic hazard and risk evaluation for natural and induced seismicity);
Remote sensing monitoring (airborne, AUV);
Marine monitoring (including studies of impact of CO₂ leakages on marine ecosystems);
Integration of monitoring data for risk evaluation.

Climate:

carbon cycle; physical, chemical and biological oceanography; identification and quantification of gas-charged fluids within the sediments, water column and in the atmosphere; CO₂ and CH₄ seep detection; baseline survey.

ECCSEL Research Infrastructure:

ECCSEL Italian representing entity; Italian National Node coordinator; entry point for Italian ECCSEL facilities inclusion and valorization; 8 OGS facilities available (<https://www.eccsel.org/facilities/storage/>).

3. Website

<https://www.inogs.it/en>

4. Contact person:

Name: Michela Vellico

Position: Senior Technologist

Address: B.go Grotta Gigante 42/C, 34010 Sgonico (TS), Italy

e-mail: mvellico@inogs.it

Phone: +39 040 2140429

Date: 4th August 2020