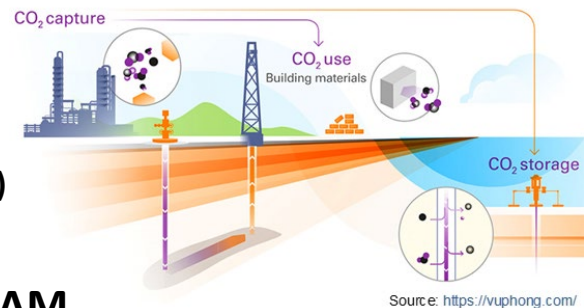


## Development of **ECCSEL-R.I. ItaLian** facilities: **usEr** access, services and **loNg-Term** sustainability

### CCUS WORKSHOP

18 September - Panarea (Aeolian Islands, Italy)



### PROGRAM

#### Morning

10:30 – 11:00 Opening: welcome coffee

11:00 – 11:30 The role of CCUS technology to meet net zero carbon emission targets; CO<sub>2</sub>GeoNet, the European Network of Excellence on CO<sub>2</sub> geological storage (Roman Berenblyum - CO<sub>2</sub>GeoNet -NORCE)

11:30 – 12:00 ECCSEL, the European Research Infrastructure for CO<sub>2</sub> Capture, Utilisation, Transport and Storage (CCUS), *to enable low to zero CO<sub>2</sub> emissions from industry and power generation* (ECCSEL Operation Centre)

12:00 – 12:30 The ECCSELLENT Project (Vincenzo Alessandro Laudicella - OGS, Italy)

12:30 – 14:00 Lunch

#### Afternoon

14:00 – 14:40 Effective production of e-fuels by CO<sub>2</sub> hydrogenation: catalytic and technological aspects behind the one-pot synthesis of DME (Giuseppe Bonura, CNR-ITAE, Italy)

Waste-to-biohydrogen by SCWG: a pioneering approach for the production of CCU-grade hydrogen (Catia Cannilla, CNR-ITAE, Italy).

14:40 – 15:10 Direct Air Capture - a promising technology to remove CO<sub>2</sub> from the atmosphere (Giovanni Ulfo - CarpeCarbon SRL SB, Italy)

15:10 – 15:40 The potential of microalgae within the CCUS (Manuela Bordiga – OGS, Italy; Eleonora Sforza – Padova University)

#### Questions

16:00 Closure of Workshop

16:30 Visit of the Panarea ECCSEL-NatLab facility (optional)