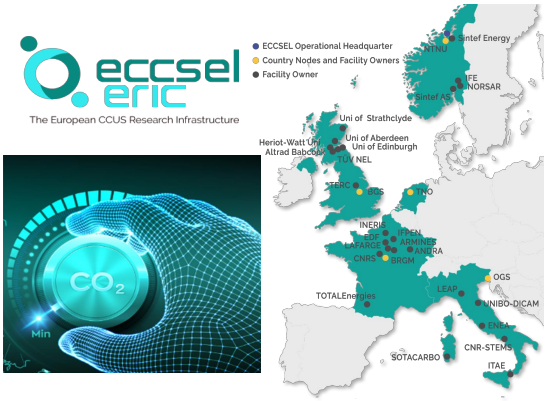
ECCSELLENT: Development of ECCSEL-ERIC R.I. ItaLian facilities: usEr access, services and loNg-Term sustainability



Project GENERAL OBJECTIVES

- ✓ To **upgrade** most of the Italian facilities part of ECCSEL-ERIC;
- ✓ To **expand** the Italian node;
- ✓ To **promote** the development and internationalisation of Italian research in the full chain of CCUS (CO_2 Capture, Utilization, Transport and Storage).

Project PARTNERS

Project BREAKDOWN STRUCTURE

WP1 Enhancement of **STORAGE** technologies for CO_2 site selection and monitoring

WP2 Enhancement of **CAPTURE** technologies

WP3 Enhancement of **TRANSPORT** technologies

WP4 Enhancement of **UTLIZATION** technologies

WP5 **FAIR** data and related digital services

WP6 **Technical** and **business** long term **sustainability**

WP7 - Management

List of ECCSEL ERIC Italian Facilities

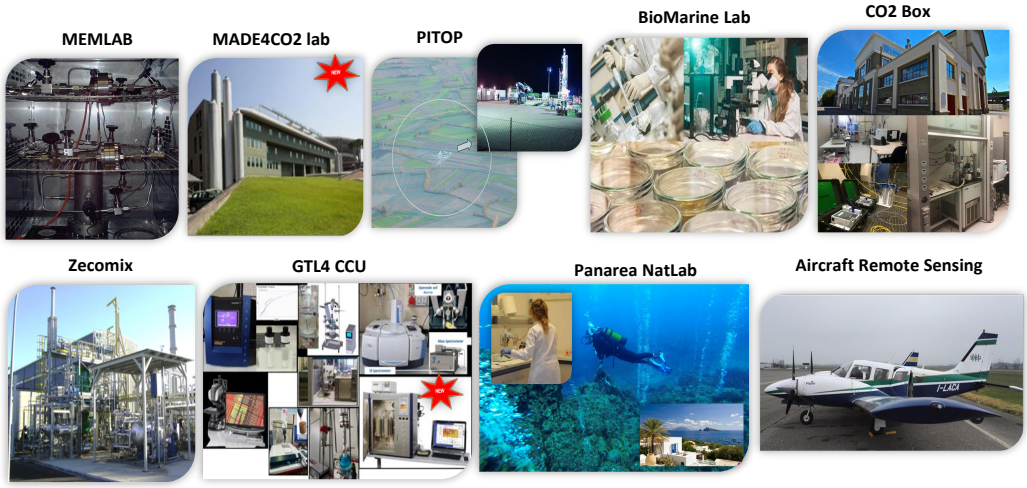
Facility Name	Access provider	ECCSEL catalogue
Panarea NatLab Italy[1;3]	OGS	
Latera NatLab Italy[1]		
Biomarine Lab[1;3]		
Research Aircraft[1;3]		
CTMO[1]		
DeepLab[1]		
PITOP[1;3]		
CO2BOX[1;3]	POLITECNICO MILANO 1863	
ZECOMIX[1;3]	ENEA	
Pec Lab	SOTACARBO	
Advantest Rock		
Sotacarbo FAULT Lab		
MECO2		
COHYGEN		
XTL Pilot Plant		
MEMLAB[1;3]	ALMA MATER STUDIORUM UNIVERSITÀ DI BOLOGNA	
MADE4CO2 Lab[1;2;3]	STEMS	
GTL4CCU[1;2;3]	ITAE	

NOTES
1 Facilities in **Bold** are part of PNRR ECCSELLENT project
2 New facilities included in ECCSEL ERIC through PNRR ECCSELLENT
3 Facilities in Red will be potentiated by PNRR ECCSELLENT

NEW services

- **MOBILE** unit and **PORTABLE** geophysical instrumentations to enhance CO_2 storage site selection and monitoring **(OGS)**
- Activation of **VIRTUAL LABORATORIES** for live data sharing on activites held at **ECCSEL facilities**
- **MOBILE EXPERIMENTAL** system to perform applied CO_2 Capture research **(POLICAP-PoliMI)**

POTENTIATED CCUS facilities



PNRR ECCSELLENT TRANSNATIONAL ACCESS 2024

- TA Call will OPEN in May 2024
- ALL Italian ECCSEL-ERIC Facilities elegible for applications
- Costs supported: Travel, Accomodation & Subsistence

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PNRR "ECCSELLENT" - Missione 4, "Istruzione e Ricerca" - Componente 2, "Dalla ricerca all'impresa"
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