

## NICE-Italy - Evoluzione ed Innovazione del Nodo Italiano di ECCSEL ERIC: continuità e sviluppo strategico

**Proposta progettuale in risposta all'Avviso MUR DECRETO DIRETTORIALE N. 310 DEL 18-03-2025 PN RIC 2021-2027 - MANIFESTAZIONE DI INTERESSE PER IL POTENZIAMENTO DELLE INFRASTRUTTURE DI RICERCA (IR) PUBBLICHE CHE OPERANO IN AMBITO S3 FINALIZZATO ALL'AVANZAMENTO TECNOLOGICO DELLE IMPRESE.**

### CATALOGO OFFERTA Infrastruttura di Ricerca

IR	Mission and Offert	website
<b>ECCSEL ERIC</b>	<p>ECCSEL is the European Research Infrastructure for CO<sub>2</sub> Capture, Utilisation, Transport and Storage (CCUS) and Carbon Dioxide Removal (CDR). The ECCSEL vision is to enable net zero CO<sub>2</sub> emissions from industry, power generation, and air to combat climate change. ECCSEL is a permanent distributed, integrated research infrastructure encompassing interlinked transnational scientific facilities and national nodes. ECCSEL offers open access to over 110 world class CCUS and CDR (BECCS and DAC) research facilities across Europe.</p> <p>ECCSEL provides open access to more than 110 world class CCUS and CDR research facilities across Europe to support national strategies and the EU Industrial Carbon Management Strategy. The research infrastructure works with relevant industry, academia and research communities to determine their research infrastructure needs to enable at-scale deployment of CCUS and CDR in Europe, within TRL1-TRL7.</p> <p><u><a href="#">ECCSEL Resources &amp; Services</a></u></p> <p><b>For Scientific Users:</b> Open access to more than 110 state of the art CCUS and CDR research facilities, experimental data, and scientific results.</p> <p><b>For Industry Users and Innovation</b> Helping the industry with applied research and development, validation and verification advancing the TRL to 4-7 and beyond, accelerating the commercial uptake of CCUS and CDR.</p> <p><b>Knowledge Sharing Platform</b> CCUS and CDR communications and training, informing about the latest scientific methods, results and research facility advancements.</p> <p><u><a href="#">ECCSEL Services include:</a></u></p> <p><b>Access to Facilities</b> <u><a href="#">Complete Physical Personal Access</a></u> Qualified personnel can gain access to our state-of-the-art facilities, subject to necessary training and approval. This hands-on experience allows for in-depth exploration and experimentation.</p> <p><u><a href="#">Remote Virtual Access</a></u> For those unable to be physically present, we offer remote virtual access to some of our facilities. This service enables researchers and engineers to participate in experiments and analyses from anywhere in the world.</p> <p><u><a href="#">Indirect Access</a></u> ECCSEL trained facility staff can conduct experiments on behalf of external researchers.</p> <p><b>Technical Advisory and Training</b> ECCSEL provides expert advisory services and training sessions that cover a broad spectrum of topics related to experimental procedures, data analysis, and modelling. Its team ensures that clients are well-equipped to tackle their specific challenges.</p> <p><b>Experimental Support</b> ECCSEL offer comprehensive support for experimental planning and execution, including:</p> <ul style="list-style-type: none"> <li>Assistance with Experiments: ECCSEL staff can assist in conducting experiments, ensuring that they meet high standards of quality and accuracy.</li> <li>Testing of Technology: ECCSEL facilities are designed for rigorous testing of new technologies and investigation of various phenomena, enabling clients to validate their innovations.</li> </ul> <p><b>Data Services</b> ECCSEL provides a range of data services to enhance the research process:</p> <ul style="list-style-type: none"> <li><u><a href="#">Data Processing and Analysis</a></u>: ECCSEL team is skilled in processing complex data sets and conducting detailed analyses to derive meaningful insights.</li> <li><u><a href="#">Modelling</a></u>: ECCSEL offers static and dynamic modelling services to help clients simulate and predict storage system behaviours under various conditions.</li> </ul>	<p><a href="https://eccsel.eu/">https://eccsel.eu/</a></p> <p><a href="https://eccsel.eu/navroot/about/eccsel-eric-members/access-providers/">https://eccsel.eu/navroot/about/eccsel-eric-members/access-providers/</a></p> <p><a href="https://eccsel.eu/catalogue/?FreeTextSearch=&amp;__RequestVerificationToken=CfdJ8BmLLEdYZCFNpSs4MecV_Iac-R_3awFs0fJKE6KeOQpZT51j8T-SfiVGIEUzB7d8Inx0c5pYmflQwZYel eSrubyRS24jubJc-pShUmvCblUR1_hq88058zOsn-89Xq7XYdtMQBPxdQ737i7wkRaj7Y&amp;ufprt=CfdJ8BmLLEdYZCFNpSs4MecV_IBf4mKAqElN85Sea9Wj6T7CPVtSgGxN0sr_0qqbgFGngsthj5H5t ajP5AhhL6lvCm6EiArF7ifWbCoMbk oz2kYmOBZba0of82yfUDiM-K00RvzE0cDij8O2t4fEEq2kVA&amp;StateOfAccessFullyAccessible=false&amp;StateOfAccessPartiallyAccessible=false&amp;StateOfAccessNotAccessible=false&amp;FormOfAccessInPerson=false&amp;FormOfAccessRemote=false&amp;FormOfAccessContractResearch=false&amp;FormOfAccessCooperativeResearch=false&amp;FormOfAccessOther=false">https://eccsel.eu/catalogue/?FreeTextSearch=&amp;__RequestVerificationToken=CfdJ8BmLLEdYZCFNpSs4MecV_Iac-R_3awFs0fJKE6KeOQpZT51j8T-SfiVGIEUzB7d8Inx0c5pYmflQwZYel eSrubyRS24jubJc-pShUmvCblUR1_hq88058zOsn-89Xq7XYdtMQBPxdQ737i7wkRaj7Y&amp;ufprt=CfdJ8BmLLEdYZCFNpSs4MecV_IBf4mKAqElN85Sea9Wj6T7CPVtSgGxN0sr_0qqbgFGngsthj5H5t ajP5AhhL6lvCm6EiArF7ifWbCoMbk oz2kYmOBZba0of82yfUDiM-K00RvzE0cDij8O2t4fEEq2kVA&amp;StateOfAccessFullyAccessible=false&amp;StateOfAccessPartiallyAccessible=false&amp;StateOfAccessNotAccessible=false&amp;FormOfAccessInPerson=false&amp;FormOfAccessRemote=false&amp;FormOfAccessContractResearch=false&amp;FormOfAccessCooperativeResearch=false&amp;FormOfAccessOther=false</a></p>