

## IOD - INDUSTRIAL OPPORTUNITY DAYS

### 12 - 13 GIUGNO 2025

### TORINO

SCIENTIFIC LABORATORY	LOCATION	SECTOR	BRIEF DESCRIPTION
<a href="#"><u>CERN</u></a>	Geneva – Switzerland	Fundamental Physics / Astrophysics	CERN is one of the world's leading scientific research centers, specializing in high-energy particle physics. It is home to the Large Hadron Collider (LHC), the world's most powerful particle accelerator, where scientists investigate the fundamental components of matter and the forces that govern the universe.
<a href="#"><u>DEMO Oriented Neutron Source (DONES)</u></a>	Granada - Spain	Research Infrastructure / Fusion Materials Testing	The DEMO Oriented Neutron Source (DONES) is a large-scale research facility under development in Spain, designed to test and qualify materials for future fusion reactors, especially the DEMO power plant. By replicating the extreme neutron environment expected in fusion reactors, DONES will provide essential data to ensure the safety and durability of materials used in fusion energy systems.
<a href="#"><u>Divertor Tokamak Test facility (Progetto DTT)</u></a>	Frascati - Italy	Nuclear Fusion / Energy Research	The Divertor Tokamak Test facility (DTT) is a major Italian research infrastructure dedicated to studying solutions for heat and particle exhaust in future fusion reactors. It will play a key role in supporting the development of fusion energy by testing advanced divertor concepts under reactor-relevant conditions.
<a href="#"><u>Einstein Telescope (ET)</u></a>		Fundamental Physics / Astrophysics	The Einstein Telescope is a proposed next-generation underground gravitational wave observatory. It aims to detect gravitational waves with unprecedented sensitivity, opening new frontiers in the observation of the universe and the study of cosmic phenomena such as black holes, neutron stars, and the Big Bang.
<a href="#"><u>European X-ray Free-Electron Laser (European XFEL)</u></a>	Schenefeld - Germany	Research Infrastructure / X-ray Science	The European XFEL is a cutting-edge research facility that generates ultra-intense X-ray flashes to probe the atomic and molecular structure of matter. It enables scientists from around the world to conduct groundbreaking experiments in fields such as biology, chemistry, physics, and materials science. The European XFEL is the world's largest X-ray laser and plays a key role in advancing fundamental and applied research.
<a href="#"><u>Extreme Light Infrastructure European Research Infrastructure Consortium (ELI ERIC)</u></a>	Dolní Břežany - Czech Republic	Research Infrastructure / Laser Physics	The Extreme Light Infrastructure ERIC (ELI ERIC) is the world's first international laser research infrastructure, dedicated to the study of ultra-intense and ultra-short laser pulses. With facilities in the Czech Republic and Hungary, ELI ERIC enables advanced research in physics, materials science, medical applications, and nuclear photonics. Its unique capabilities support cutting-edge experiments that explore the interaction of light with matter at unprecedented intensities.
<a href="#"><u>Fusion For Energy (F4E)</u></a>	Barcelona – Spain	Energy / Nuclear Fusion Research	Fusion for Energy (F4E) is the European Union's organization responsible for Europe's contribution to ITER, the world's largest fusion energy project. Based in Barcelona, F4E supports the development of fusion as a sustainable energy source by coordinating industrial and scientific contributions from EU

<a href="#">Istituto Nazionale di Fisica Nucleare (INFN) - European Plasma Research Accelerator with eXcellence In Applications (Eupraxia)</a>	Frascati – Italy	Research Infrastructure / Accelerator Physics	<p>member states. It plays a central role in advancing fusion technology toward future energy production.</p> <p>The Istituto Nazionale di Fisica Nucleare (INFN) leads the Italian contribution to the European Plasma Research Accelerator with eXcellence In Applications (Eupraxia), a cutting-edge project aimed at developing a compact and cost-effective plasma-based particle accelerator.</p> <p>Hosted at the INFN's Frascati laboratories, Eupraxia will support applications in medical imaging, materials science, and fundamental physics, representing a major step forward in next-generation accelerator technology.</p>
	Bruxelles-Belgium	Nuclear Fusion/Association	<p>EFA provides a platform for unifying European interests</p> <p>Formed by leading European companies from across the fusion value chain</p> <p>Provides industry-wide collaboration and cooperation on science, finance, and policy making</p>
OTHER ORGANIZATIONS	LOCATION	SECTOR	BRIEF DESCRIPTION
<a href="#">ILO Network Italia (INI)</a>	Roma-Italy	ILO for ESO & SKA	<p>Industrial Liaison Officers (ILOs) are experts who support their nations companies in bidding for contracts at large research infrastructures.</p> <p>The INI brings together Italian ILOs who have been assigned the institutional task of serving as national ILOs at specific European research infrastructures.</p>
<a href="#">ILO Network Italia (INI)</a>	Padova_Italy	ILO for CERN ed ESS	<p>Industrial Liaison Officers (ILOs) are experts who support their nations companies in bidding for contracts at large research infrastructures.</p> <p>The INI brings together Italian ILOs who have been assigned the institutional task of serving as national ILOs at specific European research infrastructures.</p>
<a href="#">ILO Network Italia (INI)</a>	Roma_Italy	Director BSBF2024	<p>Industrial Liaison Officers (ILOs) are experts who support their nations companies in bidding for contracts at large research infrastructures.</p> <p>The INI brings together Italian ILOs who have been assigned the institutional task of serving as national ILOs at specific European research infrastructures.</p>
<a href="#">ILO Network Italia (INI)</a>	Grenoble-France	ILO for ESRF ed EU-XFEL	<p>Industrial Liaison Officers (ILOs) are experts who support their nations companies in bidding for contracts at large research infrastructures.</p> <p>The INI brings together Italian ILOs who have been assigned the institutional task of serving as national ILOs at specific European research infrastructures.</p>
<a href="#">ILO Network Italia (INI)</a>	Genova Italy	ILO for ESRF	<p>Industrial Liaison Officers (ILOs) are experts who support their nations companies in bidding for contracts at large research infrastructures.</p> <p>The INI brings together Italian ILOs who have been assigned the institutional task of serving as national ILOs at specific European research infrastructures.</p>
<a href="#">ILO Network Italia (INI)</a>	Roma- Italy	ILO for F4E, ITER	<p>Industrial Liaison Officers (ILOs) are experts who support their nations companies in bidding for contracts at large research infrastructures.</p> <p>The INI brings together Italian ILOs who have been assigned the institutional task of serving as national ILOs at specific European research infrastructures.</p>