

Lasers4EU

A central platform for laser research and innovation

Duration: 01 Oct 2024 – 30 Sept 2028
EU Funding: 5 M€



Objectives

continue, enlarge & improve services to users by

- **providing coordinated access to high-quality services**
from primary and secondary laser sources to a wide range of laser-based instruments & techniques
through **3 different access routes** for laser-based **curiosity-driven fundamental science & applications**
- **increasing the European basis of human resources**
through user training & professional staff development
- **shaping the European landscape of laser Research Infrastructures** through networking & science diplomacy

Participants: the power of diversity

- **25 Beneficiaries in 15 countries**
- **29 Partners : 27 APIs + ELI ERIC & Laserlab-Europe AISBL**
All members of ELI ERIC and Laserlab-Europe AISBL are associated partners



Transnational Access (TNA) (1/2)

3 routes to pioneering laser research



Single-instrument

For users interested in transnational access and looking for a suitable laboratory for their access project, from fundamental science to validating a practical application.



Multi-instrument

For users who need access to as many installations as required in different facilities, over several years if necessary. Requires only a single proposal for the whole duration.



Industry

Allows companies to access the most recent techniques and methods in research laboratories and to benefit from the services of the partner facilities of Lasers4EU.

> 3000
access days

300
user projects

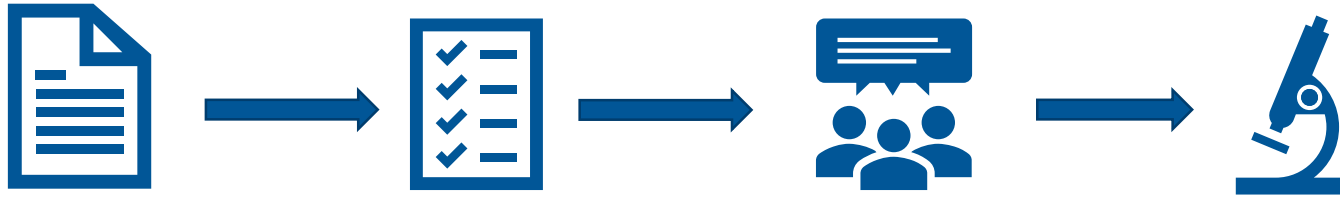
80%
of total budget


for researchers
across the globe


portfolio of techniques
& instrumentation

Transnational Access (TNA) (2/2)

How does it work?

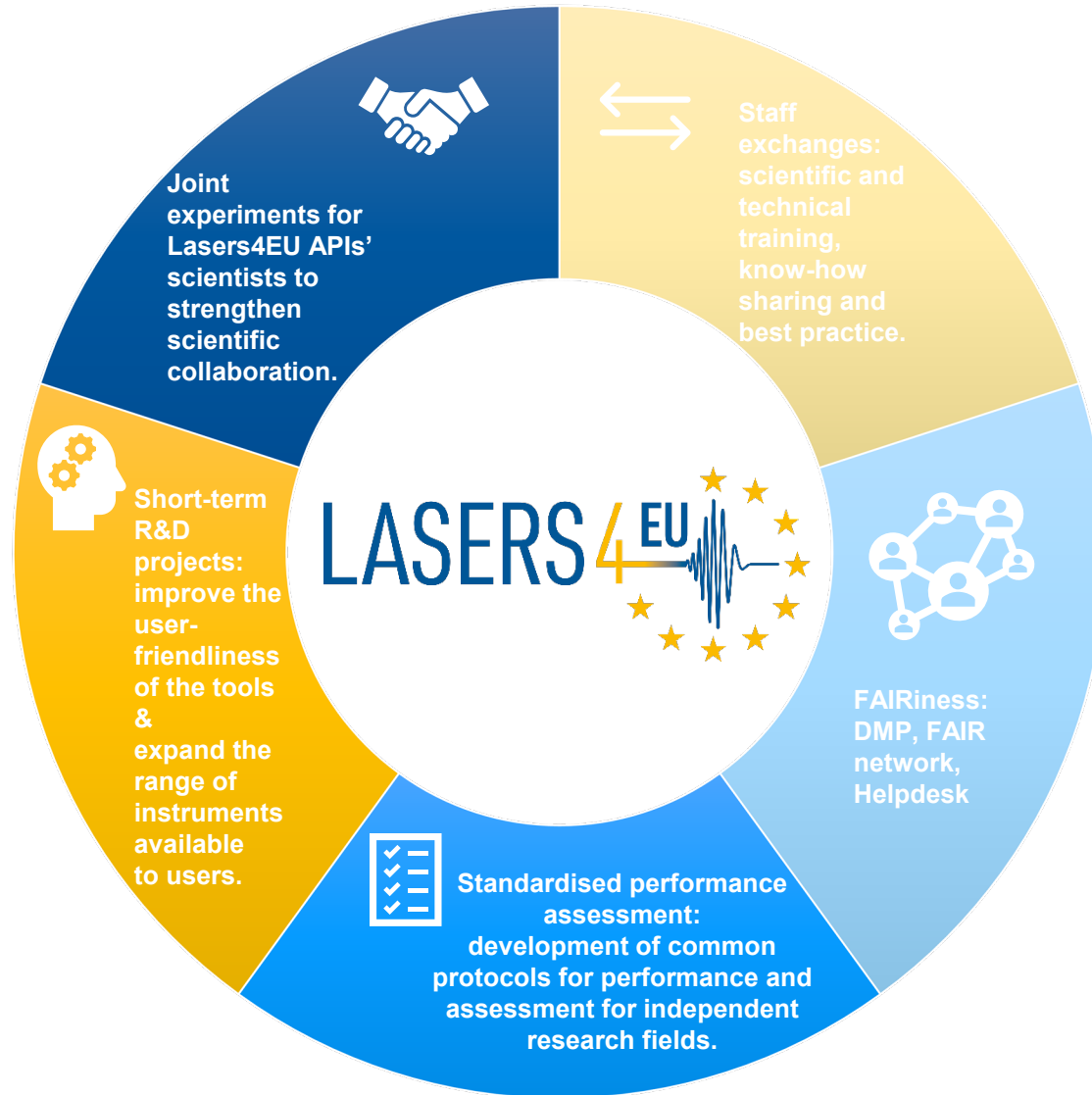


💡 All proposals must be submitted through a single central online portal.

1. **Submit a proposal:** Researchers apply via a central online portal, selecting a facility that best suits their technical and/ or scientific needs.
2. **Transnationality requirement:** The host lab has to be in another country than the scientist's home institution.
3. **Scientific review:** Proposals are evaluated by an independent panel based on scientific excellence and feasibility.
4. **Free access to the research infrastructures:** Selected users receive free access to the infrastructure, including scientific, technical, and logistical support.
Where relevant, training for equipment use is also provided.

Cross-facility services

Check the webpage regularly for calls



Yearly user training schools

- Training for non-specialists
- Training of young scientist and users

Pre-project training

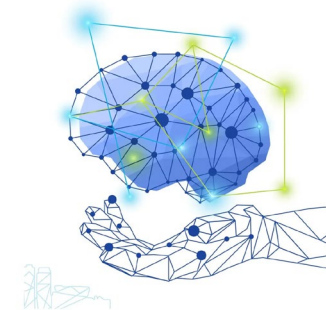
- Preparation and training visit to the API for young researchers

Online Software tools

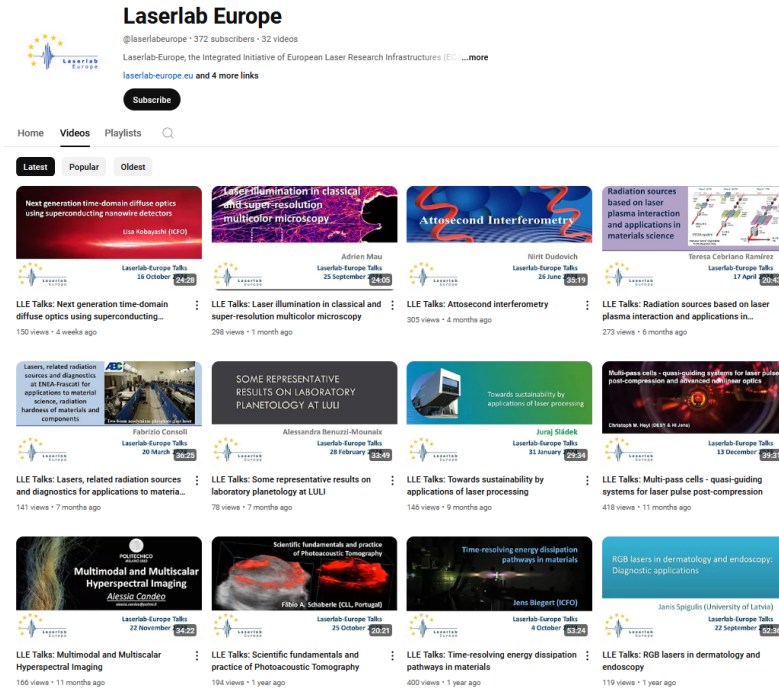
- Creation of an online tool box for users to support with the preparation, execution and analysing of the experiments



MINDLAB: Manipulating and Investigating Neural Dynamics for Learning and Ageing in the Brain



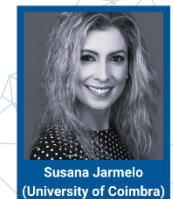
- Access to monthly **scientific and technical webinars**, showcasing research and applications enabled by laser-based technologies are presented
- Organisation of **Lasers4EU webinars** dedicated to topics as:
 - Diversity and inclusion
 - Intellectual Property rights
 - Open Science
 - Data management
 - Patenting and technology transfer



Lasers4EU Webinars

Open science and the societal impact of scientific research

📅 24 September 2025
 🕒 4:00 pm - 5:00 pm CEST
 📍 Online
 🌐 www.lasers4.eu



- Newsletter Laserlab Forum every 8 months focusing on
 - access opportunities
 - user projects
 - recent research highlights
 - new services available for users
- Publications database & knowledge management
 - Publications resulting from access projects and cross-facility services will be listed on Lasers4EU
 - Open access to peer-reviewed publications and datasets



- **Networking**

- **Network of points of contact** in under-represented countries to increase the visibility of the Laserlab-Europe Network
- **Online inventory platform** to support the donation and reuse of second-hand scientific equipment.



- **Outreach**

- **Lasers4EU User Awards** for curiosity-driven and for industrial projects (acknowledgment for the quality and impact of the user projects).
- **User Meetings** fostering collaboration and knowledge exchange among current and prospective users, as well as access providers, across disciplines.
- **Lasers4EU Conference** to present results and success stories from the community.



Any questions?
Contact me:



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