



IMPULSE has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 871161

European User Office Meeting 2022 – 13-14 June



The ELI ERIC Facilities

The mission of ELI ERIC is to provide access for European and international researchers to the ELI Facilities in the Czech Republic and Hungary.



ELI Attosecond Light Pulse Source
www.eli-alps.hu



ELI Beamlines
www.eli-beams.eu



ELI ERIC is a single, multi-site organisation

A European Research Infrastructure Consortium – an ERIC

This new legal form enables the participation of States as member countries to govern the ELI Facilities jointly and make them available to the scientific community as a single international organisation. Its headquarters are in Dolní Břežany in the Czech Republic.

The Czech Republic, Founding Member
Host of Seat



Hungary, Founding Member
Host



Italian Republic
Founding Member



Lithuania
Founding Member



Federal Republic of Germany
Founding Observer



Bulgaria
Founding Observer



ELI ERIC involves the Czech Republic, Hungary, Italy and Lithuania as founding Members. Both Germany and Bulgaria are Founding Observers. Romania and ELI-NP are also expected to join the ELI ERIC consortium, which is open to European and non-European countries to join its membership.



User Access at ELI ERIC

Three modes of access

- **Excellence-Based Access** – Evaluation of proposals by international peer-review panels. Results of experiments published and open.
- **Mission-Based Access** – Thematic research granted on the basis of scientific missions pursuing challenges. Proposals reviewed by international panels. Results published and open.
- **Proprietary Access** – Paid access for industrial or other users. Results are retained by the user, consistent with ELI ERIC's Data and IPR Policy.



High-power ultra-short laser pulses for groundbreaking res



ELI ERIC 1st User Call

<https://up.eli-laser.eu/>

- **The call will run from October 2022 through March 2023**
- **Proposals will be accepted through August**
- **There will be more than eight instruments**
- **All instruments have been thoroughly tested during commissioning**
- **Advise proposers to contact the facilities for technical questions**
- **The 2nd call will be published January 2023**

Potential users can conduct state-of-the-art experiments at:

ELI-ALPS (Szeged, Hungary)

- HR GHHG Gas + REMI-ES
- Mid-Infrared laser system (MIR)
- NanoESCA Endstation
- Non-linear Terahertz Spectroscopy Facility (NLTSF)

ELI-Beamlines (Dolní Břežany, Czech Rep.)

- Femtosecond Stimulated Raman Scattering and Transient Optical Absorption (FSRS & TA)
- MAC: AMO Science and Diffractive Imaging
- trELIps: Time Resolved Spectroscopic Ellipsometry
- TREX: X-Ray Diffraction, Scattering and Spectroscopy

ELI-Nuclear Physics (Măgurele, Romania)

- 100 TW beam
- 1 PW beam



Integrated Management and Operations for User-based Laser Scientific Excellence

Project Objective

IMPULSE focuses on achieving quick and effective transition of ELI ERIC from construction into sustainable operations by uniting the ELI facilities and making them accessible for users through one single, high-quality access point.

IMPULSE addresses the key scientific, technical, organisational, and management requirements of this transition, building user communities and expanding the ELI member consortium.

<https://impulse-project.eu/>

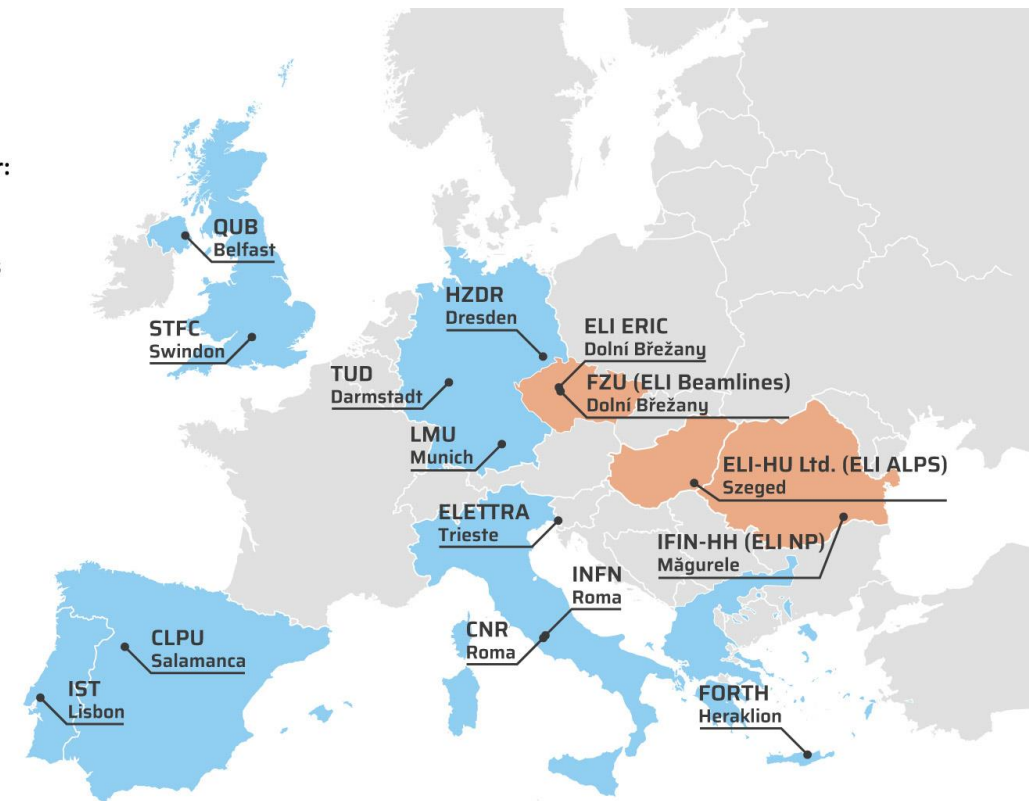
Project Facts

- 15 Partners
- 9 Countries
- 42 Months
- €19.9 Million

Project Coordinator:
ELI ERIC

ELI Project Partners

Other Partners



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