

12 MARCH 2026

# Advancing Science with Cutting- Edge Laser Technology



EXTREME LIGHT  
INFRASTRUCTURE



A EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM

# Bringing together a world of science

ELI is an international research infrastructure with the world's largest and most advanced high-power and high-repetition-rate lasers.



CZECH  
REPUBLIC



HUNGARY



ITALY



LITHUANIA



BULGARIA



ROMANIA



GERMANY

ELI operates as a **European Research Infrastructure Consortium** (a legal entity under EU law, created by EU countries and partners to develop and operate pan-European research infrastructures).

AN ESFRI LANDMARK PROJECT



ELI Beamlines



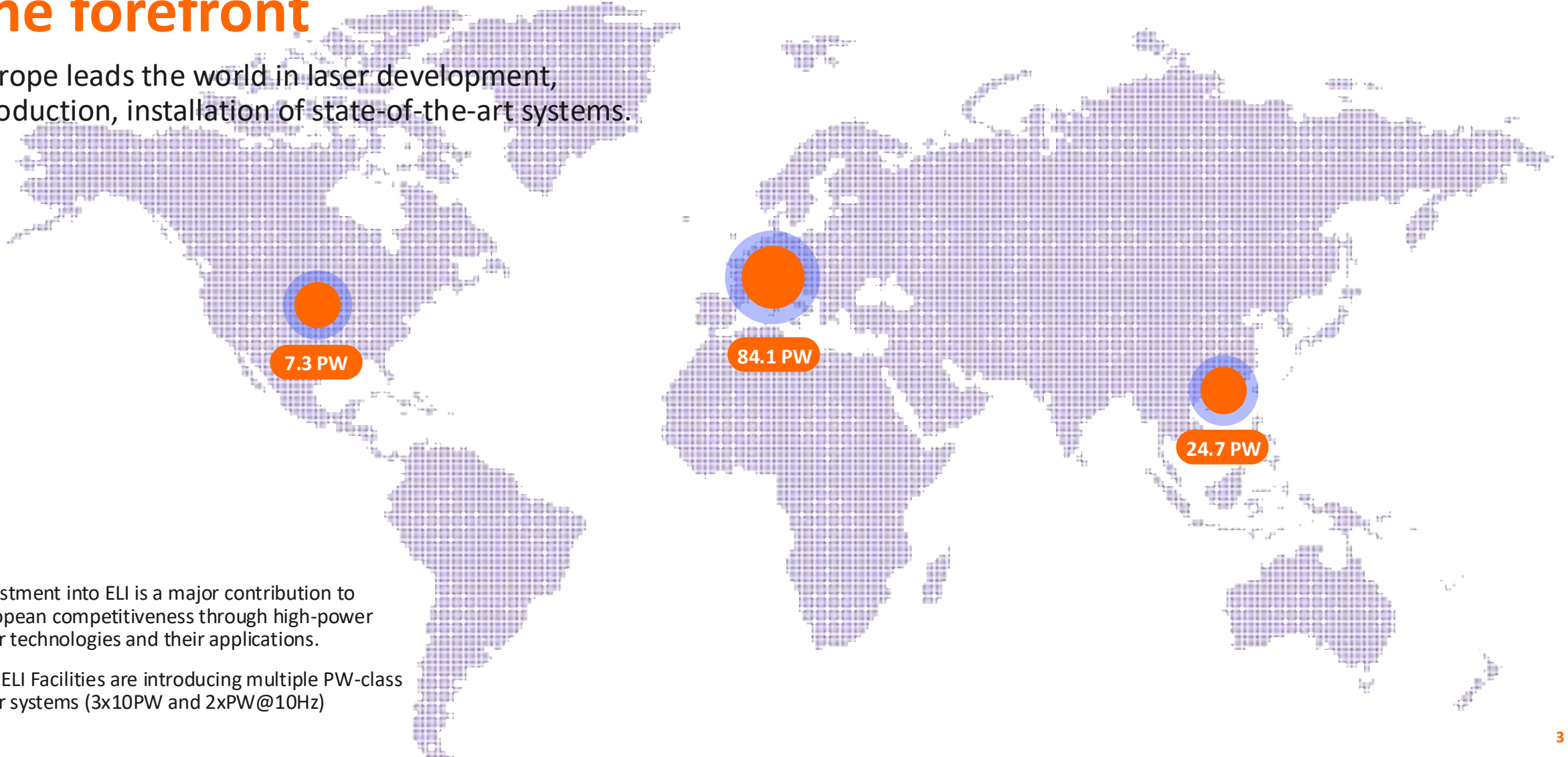
ELI NP



ELI ALPS

# Europe at the forefront

Europe leads the world in laser development, production, installation of state-of-the-art systems.



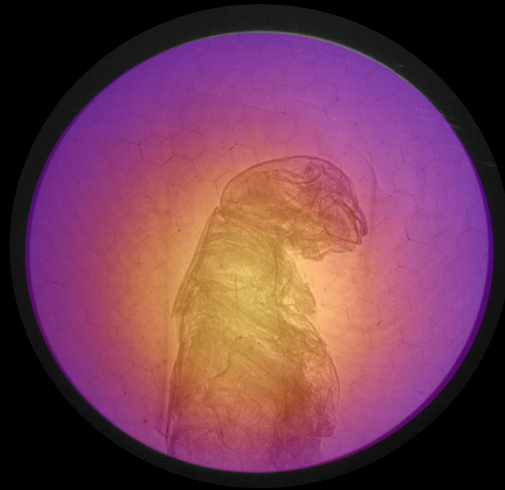
Investment into ELI is a major contribution to European competitiveness through high-power laser technologies and their applications.

The ELI Facilities are introducing multiple PW-class laser systems (3x10PW and 2xPW@10Hz)

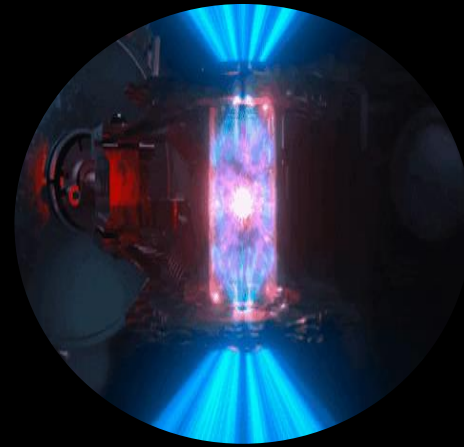
# Science at ELI



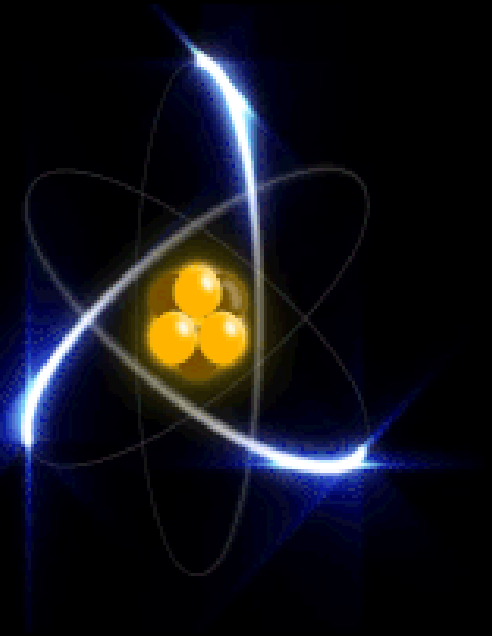
particle acceleration



radiation  
physics



high-energy  
density (HED)  
fusion  
astrophysics



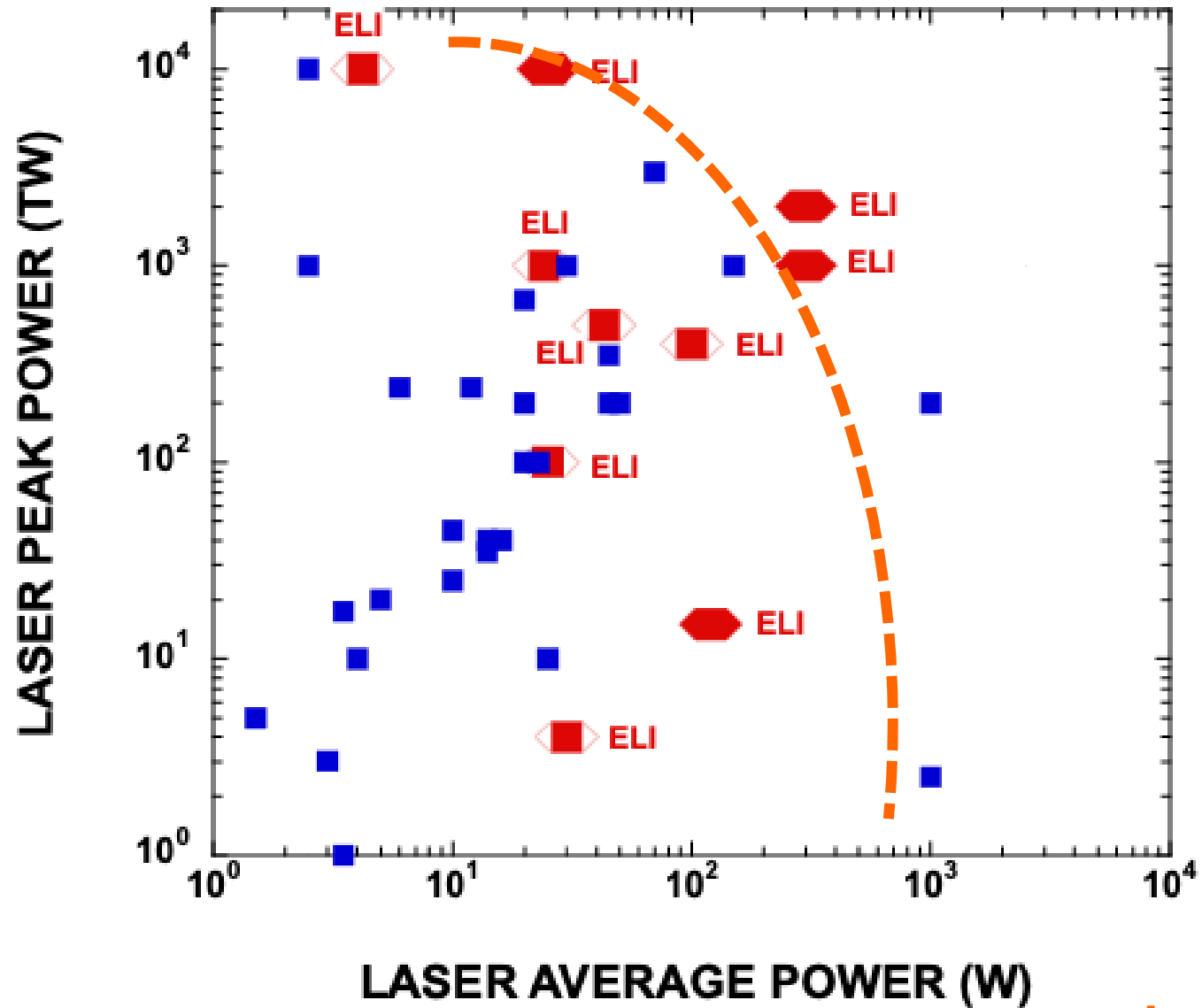
ultrafast  
dynamics  
AMO, materials  
science, biology

# Dominating the laser landscape

The ELI Facilities are powering previously inaccessible laser specification.

ELI's suite of lasers cover the full spectrum of combined high average and high peak power lasers.

The Extreme Light Infrastructure is the world's largest and most advanced high-power laser infrastructure and a global technology and innovation leader in high-power, high-intensity, and short-pulsed laser systems.



# One user facility, three modes of access

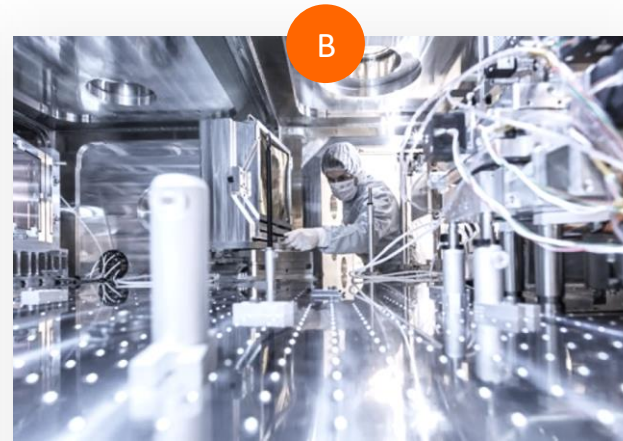
A flexible model to serve  
a variety of users.



## Excellence-based Access

Evaluation of proposals by international peer-review panels.

**RESULTS PUBLISHED AND OPEN**



## Mission-based Access

Thematic research granted on the basis of scientific missions. Proposals reviewed by international panels.

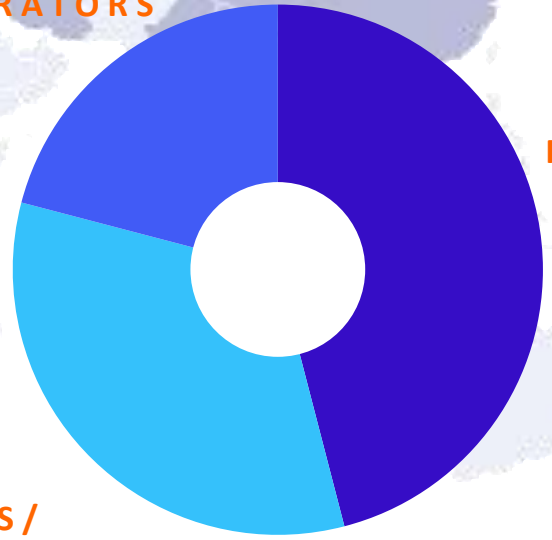
**RESULTS PUBLISHED AND OPEN**



## Proprietary Access

Paid access for industrial or other users.

**RESULTS RETAINED BY THE USER**



# ELI ERIC Staff

International talent powering excellence.

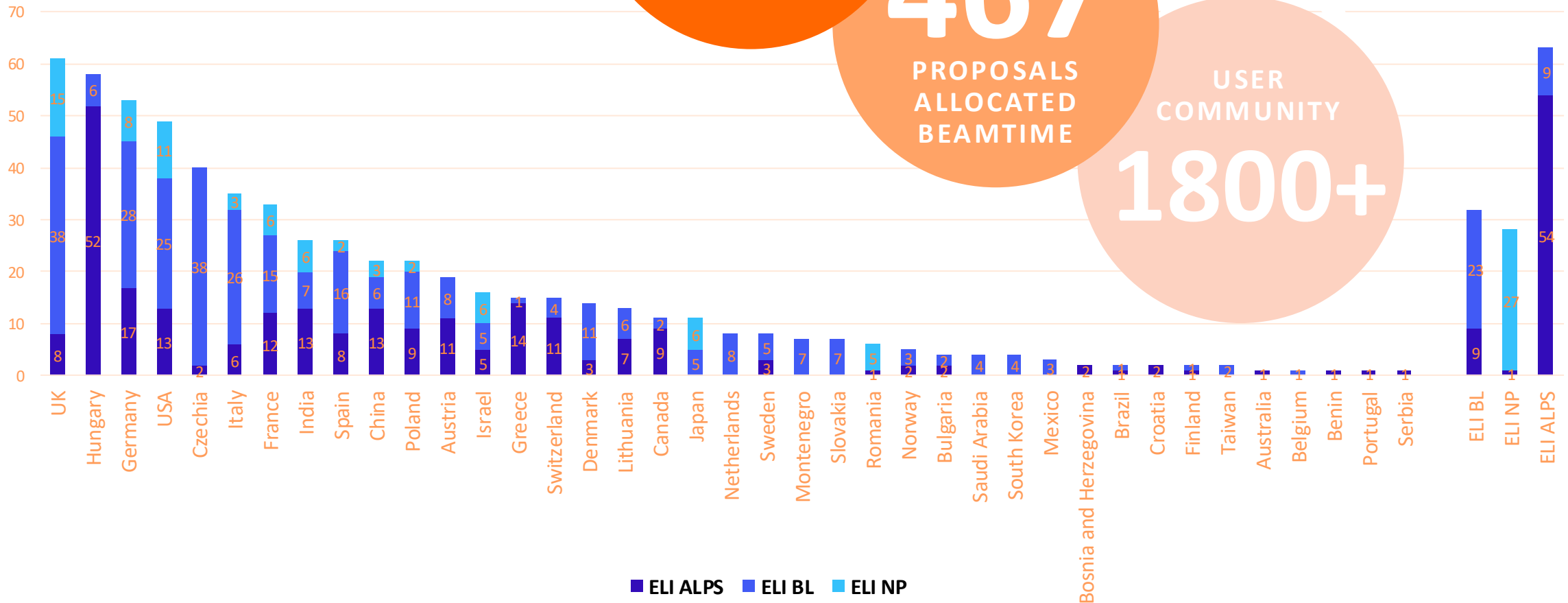
# The ELI User Programme

Distribution of all proposal submissions across ELI facilities by PI affiliation country in Call1-7

TOTAL PROPOSALS SUBMITTED  
**733**

**467**  
PROPOSALS ALLOCATED BEAMTIME

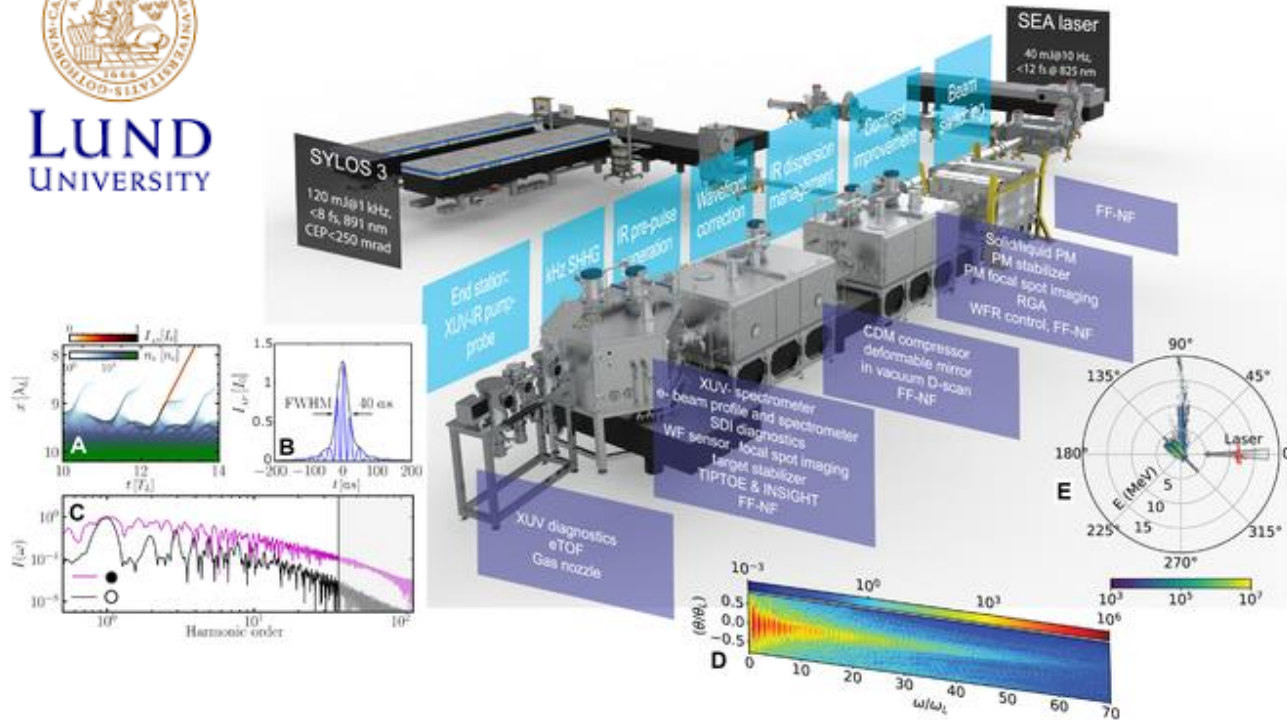
USER COMMUNITY  
**1800+**



# Cooperations with Sweden Partners & Users



LUND UNIVERSITY



SYLOS SHHG



UNIVERSITY OF  
GOTHENBURG



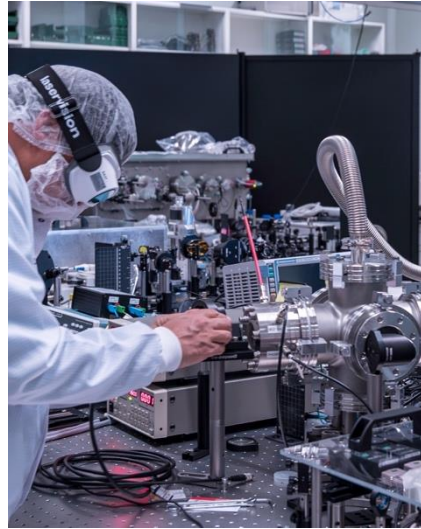
UPPSALA  
UNIVERSITET



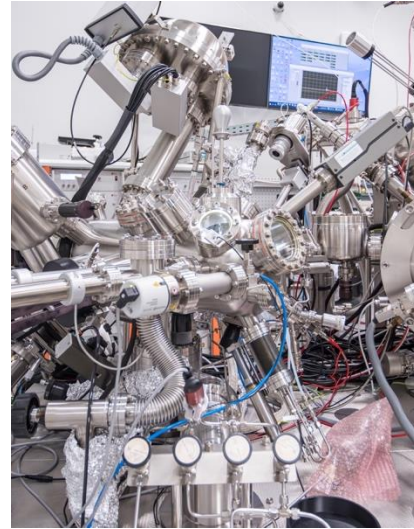
# Research Opportunities capacity, capability and uniqueness



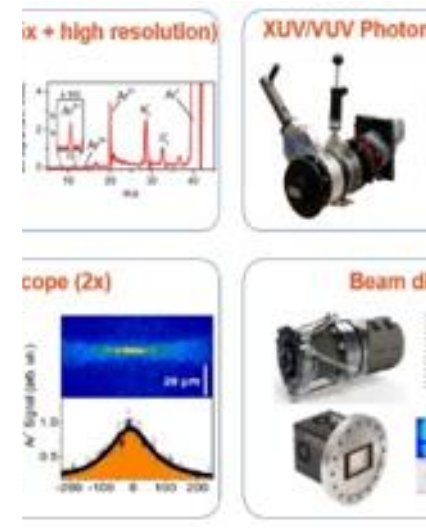
Lasers



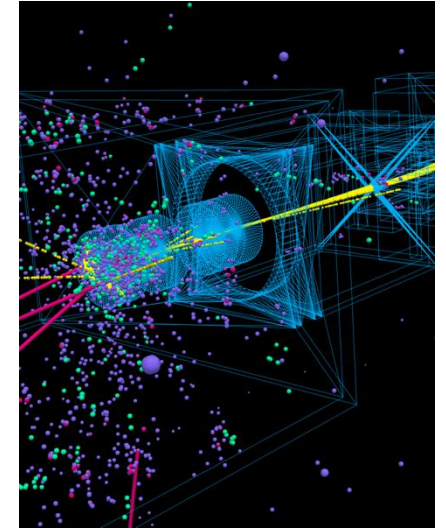
Secondary Sources



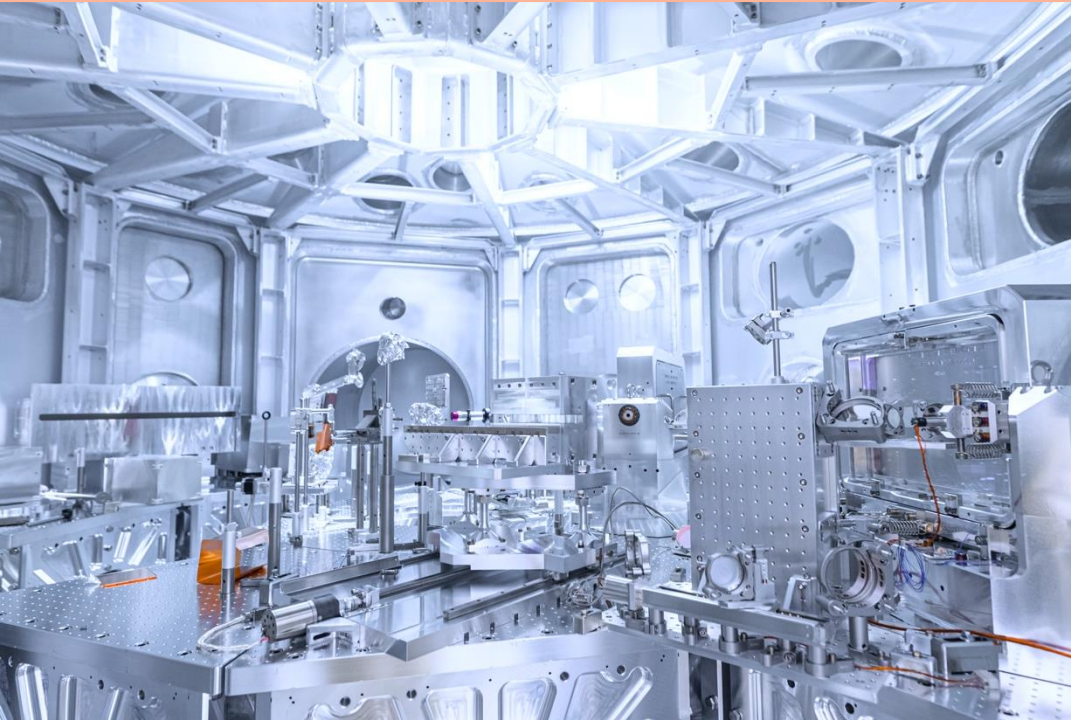
Endstations



Diagnostics/Metrology



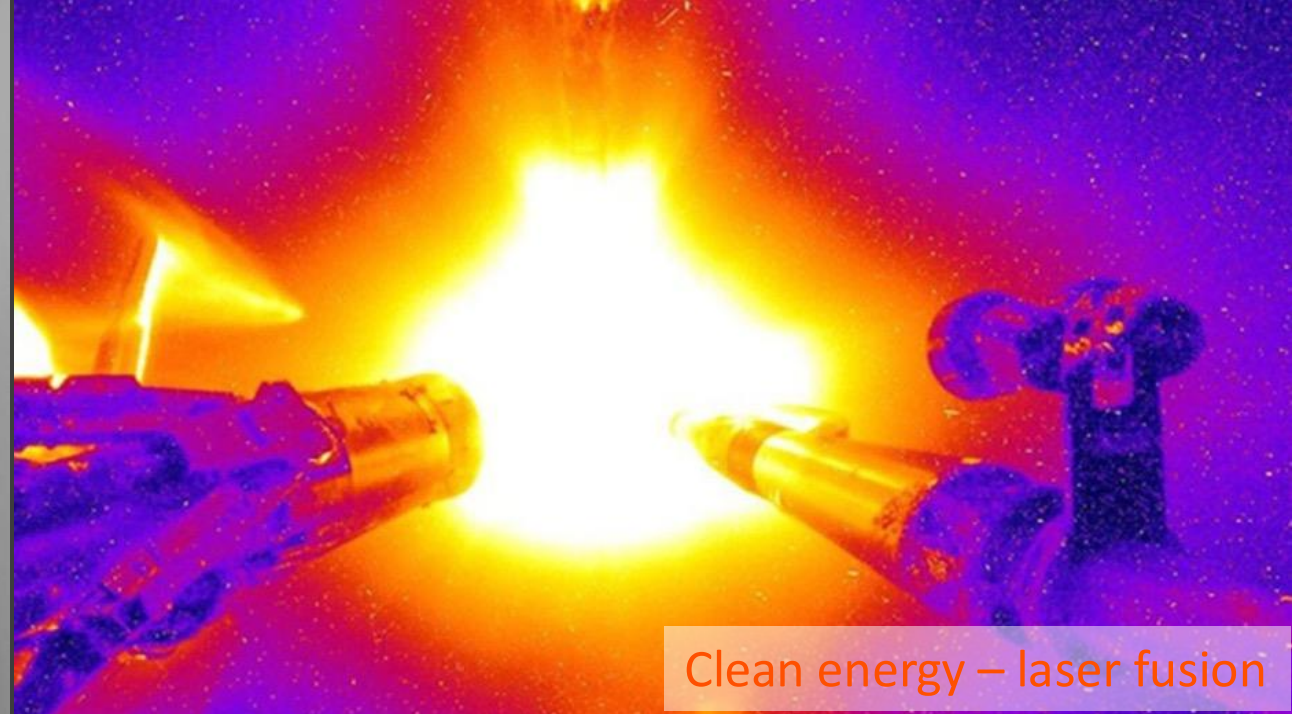
Simulations



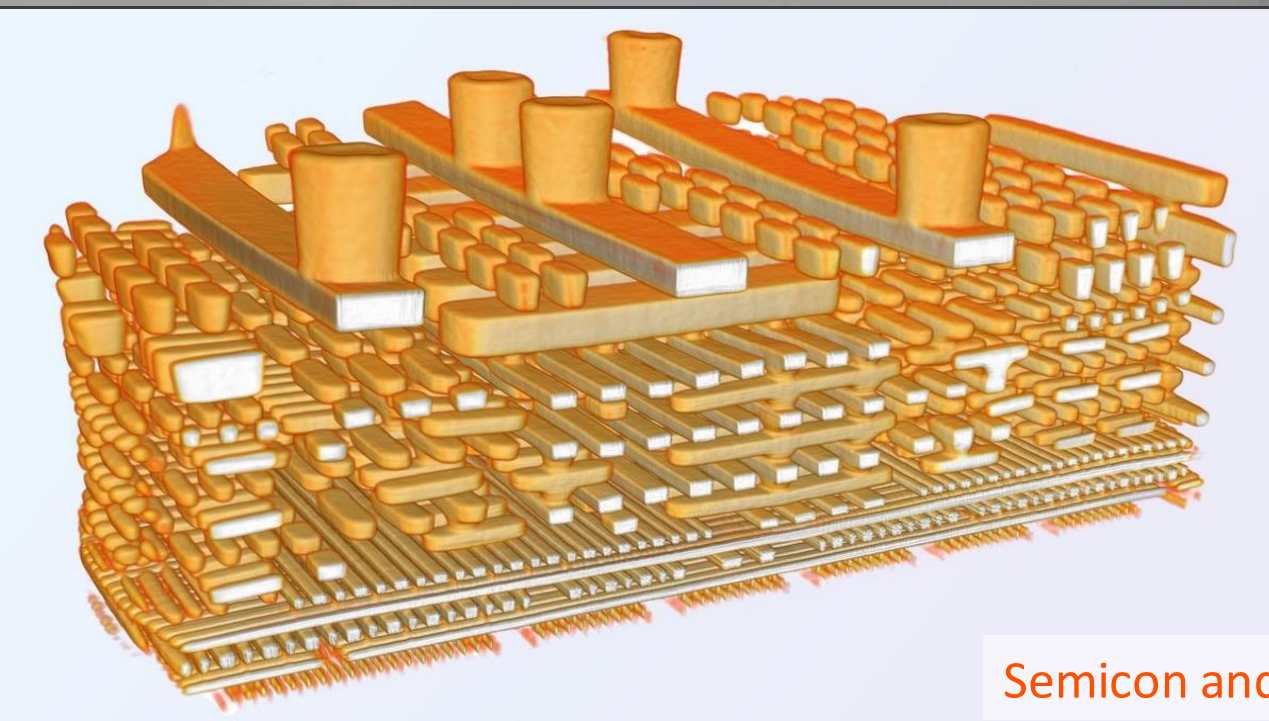
# Impact



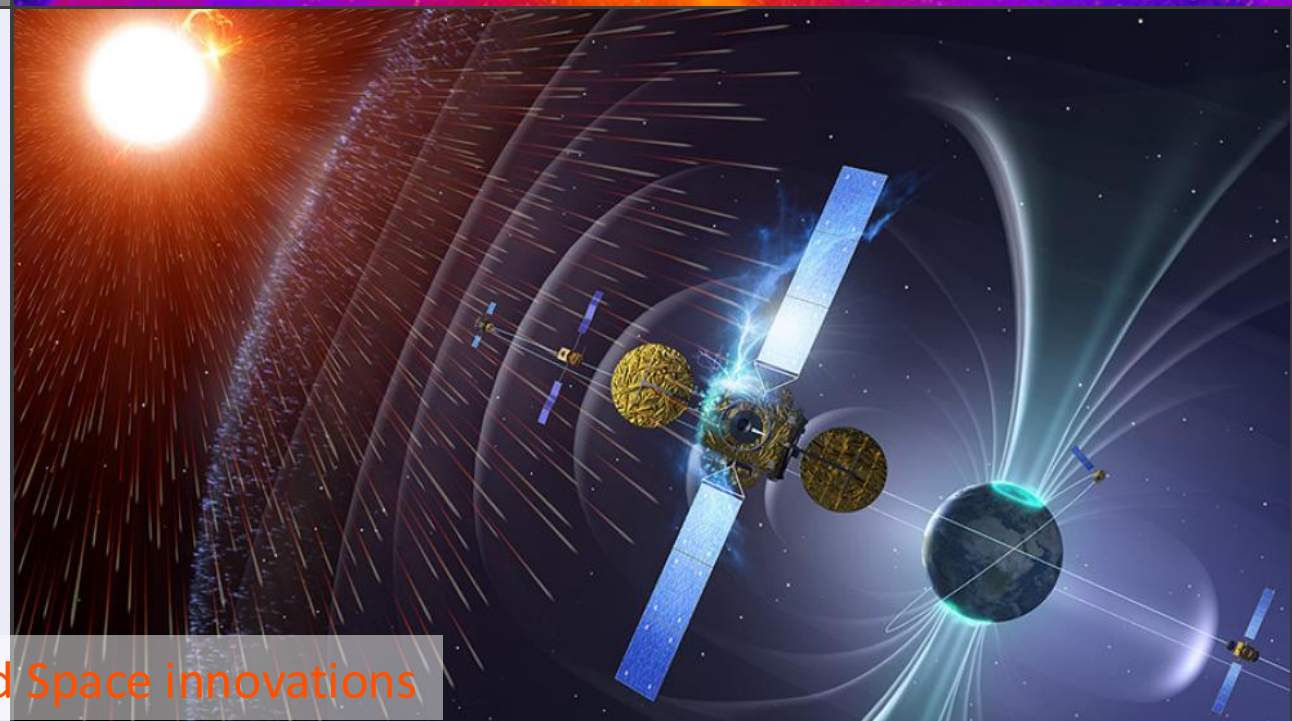
Cancer treatment



Clean energy – laser fusion



Semicon and Space innovations



# Innovation & Industry

ELI welcomes industrial collaboration to complement our scientific expertise and we are always looking to increase the base of our qualified suppliers from around the world.

**SPECTROGON**

 **TELEDYNE  
SP DEVICES**  
Everywhere you look™

 **MedChemTronica**  
The European branch of MCE

  
**gammadata**

**THALES**

 **Rigaku**

**THORLABS**

**SPECSGROUP**

 **OptoSigma®**

 **Amplitude**

**CLASS 5**

**LAYERTEC®**  
OPTICAL COATINGS · OPTICS

**LOPTEC**  
light is our profession

 **UltraFast  
Innovations**

**TRUMPF**

 **FOCUSED  
ENERGY**

 **LIGHT  
CONVERSION**

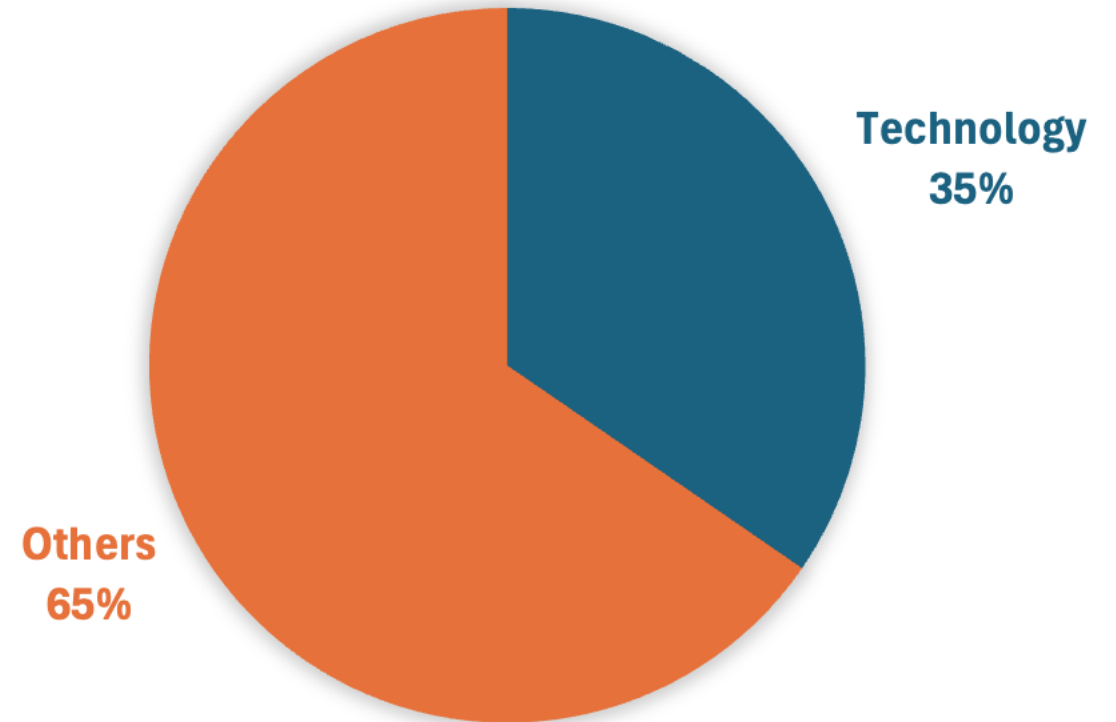
 **EKSPLA**

 **STREICHER**

 **MarvelFusion**

## Strategic procurement areas

- Optical and opto-mechanical components
- Optics coating
- Detectors
- Electronics
- Data infrastructure
- Cyber security infrastructure
- Vacuum infrastructure
  - Vessels, valves, bellows



Total Budget (5 years)  
EUR 381 Million

# ELI's Procurement Rules

Aims to ensure transparent, fair, competitive, and accountable procurement aligned with ERIC governance and public funding standards.

## PROCUREMENT METHODS

- **Low-value purchases** → simplified procedure
- **Standard competitive procedure** → ≥ 3 suppliers invited
- **Open procedure** → public call for tenders
- **Sole supplier (Art. 21(5))** → only if objectively justified (e.g. technical uniqueness, compatibility, IP, urgency)

## FINANCIAL LIMITS

- **Contracts below EUR 25 000**: procurement rules don't require formalised process, proper level of competition
- **Contracts between EUR 25 000 and 200 000**: simplified open or restricted procedure
- **Contracts above EUR 200 000**: more formalised procedures resembling the EU procurement law

# ELI's ILO Network

## ILO Contacts for Member Countries of ELI ERIC



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[www.swissilo.ch](http://www.swissilo.ch)



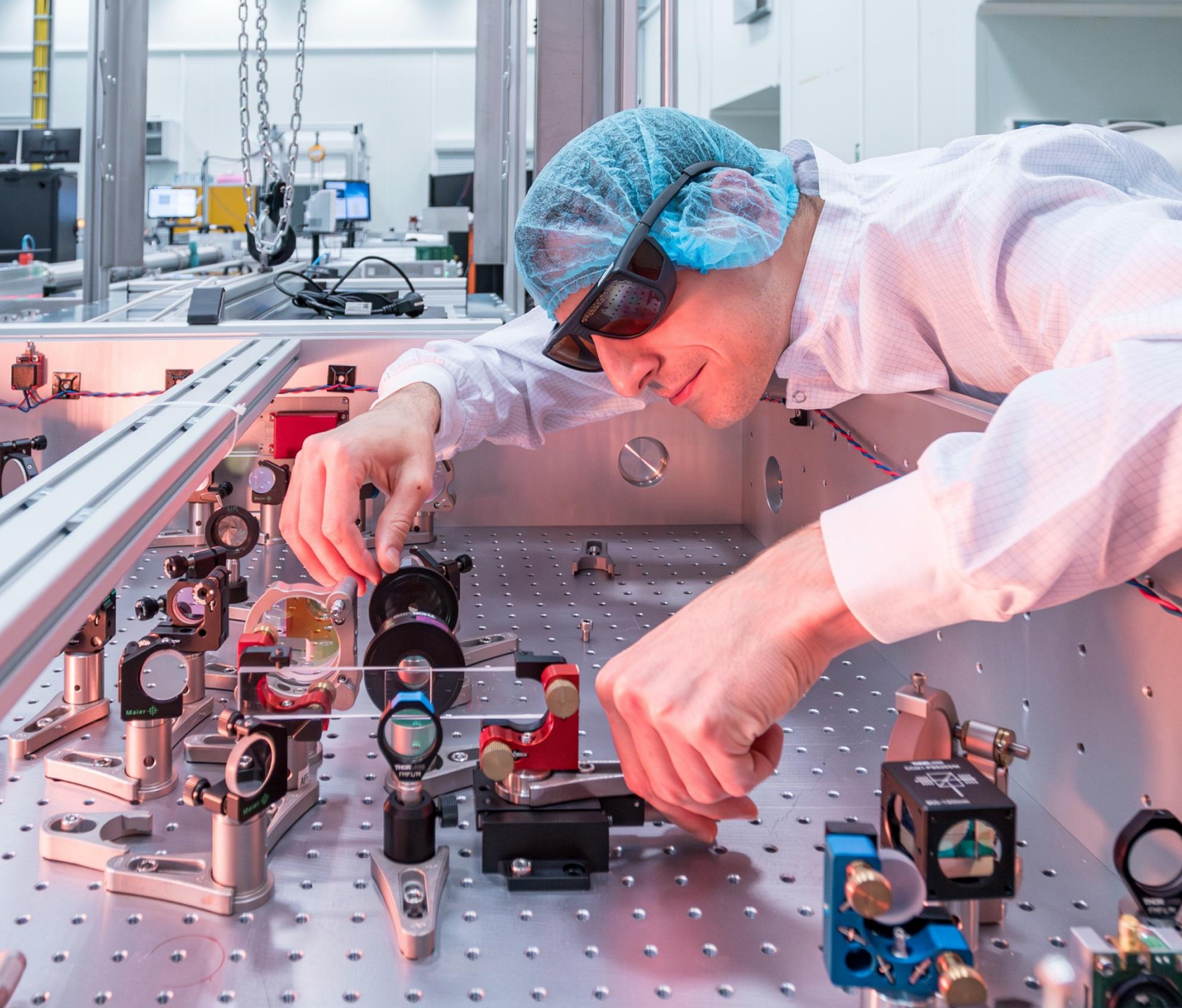
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OPENING SOON!

# 8<sup>th</sup> ELI User Call

**SUBMISSION PERIOD**  
17 March –  
22 April 2026



[BEAMLINE SCIENTISTS](#)



REGISTRATION OPEN

# ELI User Meeting

24-26 June 2026

 ELI BEAMLINES FACILITY,  
DOLNÍ BŘEŽANY, CZECHIA





SAVE THE DATE

# ELI Summer School

31 August –  
4 September 2026

 ELI ALPS FACILITY,  
SZEGED, HUNGARY





## Join the ELI mailing list

Sign up to receive the latest news and updates about ELI, including:

- ✓ ELI events & workshops
- ✓ Key scientific achievements & publications
- ✓ User calls
- ✓ Job opportunities

**SUBSCRIBE NOW**

By signing up you agree to the processing of your identification and/or sensitive personal data by ELI ERIC, according to the ELI ERIC GDPR Policy available at <https://eli-laser.eu/contacts/eli-eric/>

