



Danube-INCO.NET Workshop

**Extreme Light Infrastructure as an example  
for transnational infrastructure development**

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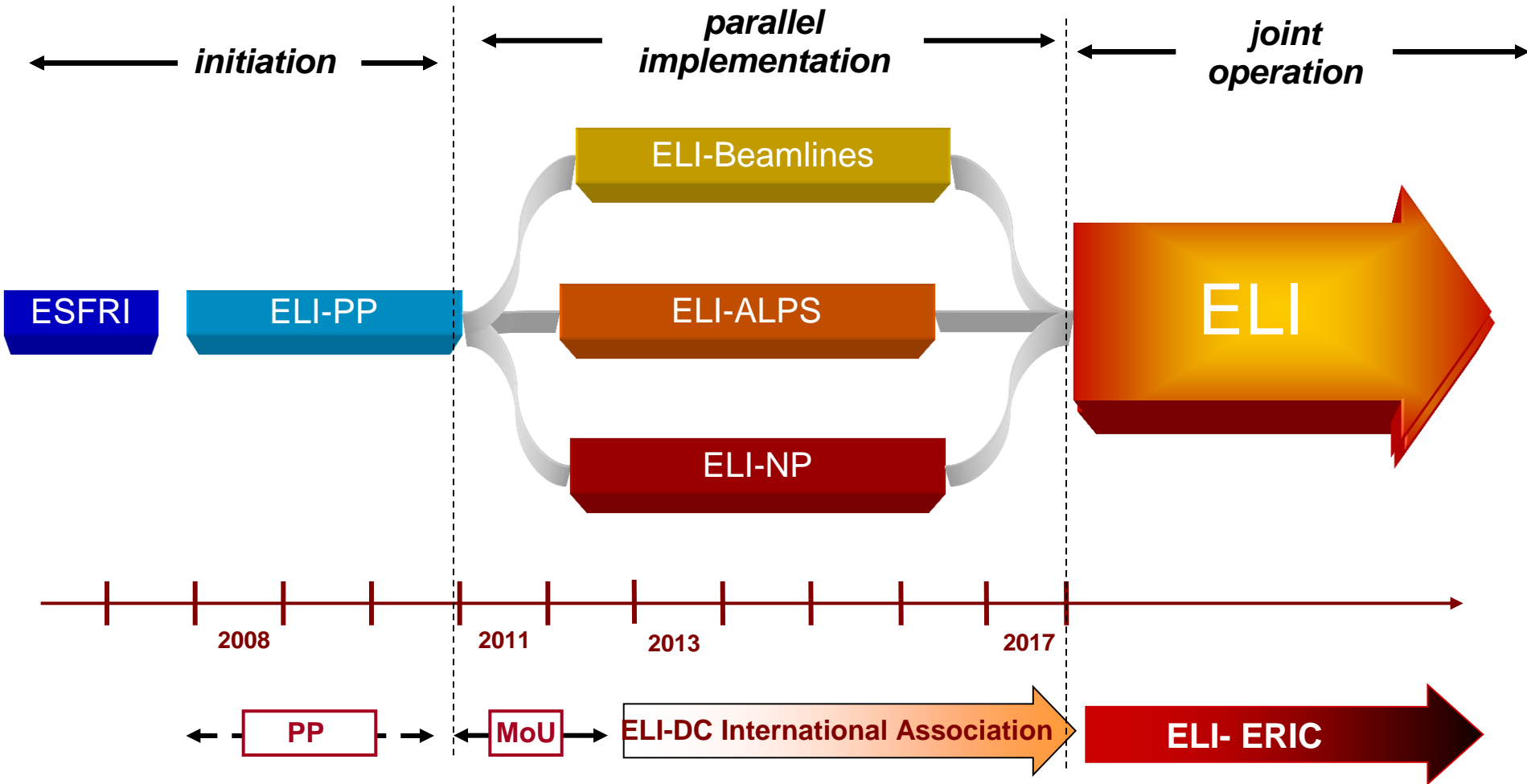


**ELI Beamlines**

**ELI Attosecond**

**ELI Photonuclear**





## ELI will be

- the world's **first international laser research infrastructure**, providing unique science and research opportunities for international users
- a **distributed research infrastructure** based initially on 3 facilities in CZ, HU and RO
- the first ESFRI project to be **implemented in the new EU Member States**
- **pioneering a novel funding model** combining structural funds (ERDF) for the implementation and contributions to an ERIC for the operation



**Attosecond Laser Science**, will capitalize on new regimes of time resolution (*ELI-ALPS*, Szeged, HU)

**High-Energy Beam Facility**, responsible for development and application of ultra-short pulses of high-energy particles and radiation (*ELI-Beamlines*, Prague, CZ)

**Nuclear Physics Facility** with ultra-intense laser and brilliant gamma beams (up to 19 MeV) enabling novel photonuclear studies (*ELI-NP*, Magurele, RO)

**Ultra-High-Field Science** centred on direct physics of the unprecedented laser field strength (*ELI 4*, to be decided)



## Joint operation of the ELI facilities under a unified legal entity and governance

- Financially sustainable operation based on contributions from the host countries and other countries
- One legal entity, ELI-ERIC, governing the operation of all three research centres => finding a new balance between national and international responsibilities, while still observing the legal commitments from ERDF
- Common policies for operation, access, data management, dissemination, quality control etc
- Operation as a single user facility, open for international access with world-class research opportunities, highest scientific standards and high-quality scientific output



# THANK YOU FOR YOUR ATTENTION

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