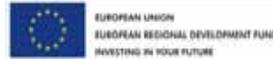


ELI Delivery Consortium

Missions, Organisation, Governance

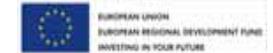
Florian Gliksohn – International coordination
Light at Extreme Intensities – 18 November 2011

Project supported by:



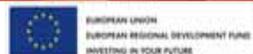
ELI in a few words

- **Enabling revolutionary science:** four pillars of science and research applications of ultra-intense and ultra-short laser pulses. ELI is a scientific integrator.
- **Developing and mastering ultra-high intensity lasers:** new generation of lasers producing sources of ultra-intense high-energy particle beams and ultra-bright radiations up to the femtosecond and attosecond scale (and beyond)
- **Giving the best to users:**
 - First truly international laser RI project designed and operated for users
 - ELI aims at providing the best conditions of access to the best international researchers



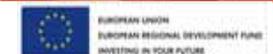
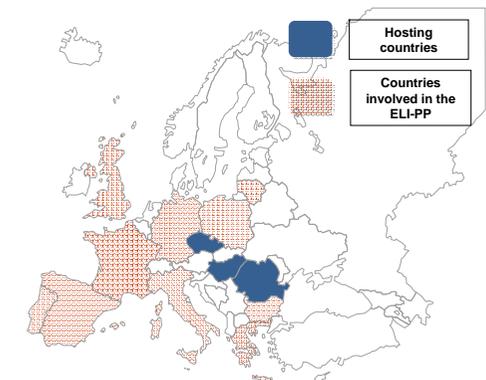
Short history

- | | | |
|-------------|------------------------------|--|
| 2006 | November | ELI is among the 35 RI projects listed as priority initiatives for Europe within the first ESFRI Roadmap |
| 2007 | October | Launch of the ELI Preparatory Phase, |
| 2008 | November | The Czech Republic, France, Hungary, Romania and the UK submit their bid for hosting the Extreme-Light-Infrastructure |
| 2009 | October | The Czech Republic, Hungary and Romania receive the mandate to implement ELI as a distributed research infrastructure |
| 2010 | April 16th | Signature of a Memorandum of Understanding between the three hosts expressing their intention to create an "ELI Delivery Consortium" in charge of organising their cooperation and negotiating the establishment of a European Research Infrastructure Consortium in charge of operating ELI |
| | December | End of the Preparatory Phase of ELI |
| 2011 | December | The ELI Delivery Consortium is established as a legal entity granted with a permanent management and administrative team |

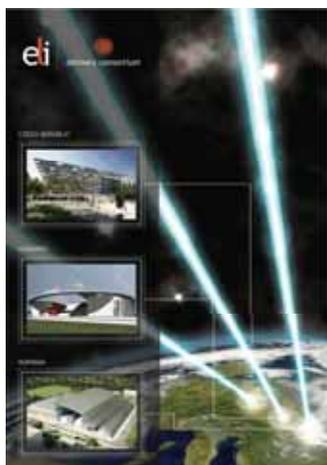


ELI-PP – Main outcomes

- **Community building:** 40 research and academic institutions from 13 EU countries involved in the Preparatory Phase
- **Scientific case** reflecting the diversity of the research opportunities foreseen within ELI
- **Technical case:** "White Book" describing the science and technology of ELI (at the level of a CDR)
- **Political support:** decision on the implementation of ELI as a distributed research infrastructure.



Implementation of ELI



- ELI will be implemented as a **distributed research infrastructure** based initially on 3 **specialised and complementary facilities** located in the Czech Republic, Hungary and Romania
- The three facilities should be delivered by end 2015 and jointly **operated by an inclusive European RI Consortium (ELI-ERIC)**
- The conditions of implementation of the so-called **“fourth pillar” of ELI will be decided at a later stage** on the basis of a review of the results of the technological solutions currently under development in Europe
- The three hosts have the responsibility of establishing a **Delivery Consortium**

Our constraints

- **The use of structural funds by the three hosts complicates the establishment of a pan-European consortium**
 - Each ELI facility is the subject of a separate grant agreement
 - Funding programmes are defined and managed at the national level and are not synchronised
 - Beneficiaries have to be national entities
 - The use of structural funds is subject to very strict time boundaries (end of eligibility: December 2015) and reporting rules
- **This also complicates the institutional setting and organisation of partnerships:**
 - This leaves no time for negotiating contributions from partner countries at the time the application is submitted
 - Most collaborations with partner institutions during the implementation phase have to be based on a contractual basis

Strategy

- **Consequences of the use of structural funds:** the implementation activities will be managed by local entities
- **Timing for the establishment of the ELI-ERIC:**
 - No later than 2015 to organise access to users
 - Time needed to define in detail the conditions of operation, the governance of ELI and the participation of other contributing countries
- **Why an ELI Delivery Consortium**
 - ELI needs institutional and human capacities at the European level for representation, coordination and negotiation purposes
 - The establishment of the ELI-DC is a strong signal to all stakeholders on our willingness and capacity to implement and operate ELI as a pan-European project through a collective endeavour

Institutional phasing



- **Bringing the project to scientific, technical, legal, and financial maturity**
- **Defining the conditions of implementation of ELI**



- Scientific and technical coordination
- Negotiation on the establishment of the ELI-ERIC



- Inclusive pan-European Consortium
- Joint operation of the ELI facilities
- Central management of the access policy
- Connection with RPFs



- **Scientific and technical coordination**
 - Ensuring **consistency** in the detailed definition and distribution of the scientific missions of the facilities
 - Promoting the **optimal use of resources** in the implementation activities of the three beneficiaries
 - Implementing joint strategies to ensure a **sustainable** access to the various types of resources necessary for the overall development of ELI and for the operational phase (strong cooperation on HR development in particular) in connection with partners
 - Defining and enforcing **common standards and practices for the future top quality operation** of the facilities



- **Human resources development**
 - Development of common standards for strategic workforce planning (evaluation of personnel needs, career development, evaluation)
 - Discussions initiated within Laserlab on the creation of a collaboration framework in the wake of the Memorandum signed between ELI, HiPER, Laserlab, Photonics 21 and Optical Society
 - Framework would involve ELI, but also all institutions having similar interests
 - Initial and lifelong training programmes adapted to the needs of ELI (including user training) in relation with partners
 - Mobility schemes (not only scientists)



▪ Establishment of the ELI-ERIC

- Need for a detailed description of the organisational model of ELI during operation: relations and responsibilities of the central ERIC and constituent facilities, delivery of access
- Detailed evaluation of needs and definition of contribution model
- Financial model will necessarily involve multiple types of funding and should be flexible (national contributions, EC funding, funding of transnational access)
- Statutes: governance model, access policy, dissemination policy, etc.
- Agreement on scope of exemption



▪ Communication and outreach

- Ensuring the visibility and promotion of ELI as a single initiative
- Ensure the availability of information on the project and its opportunities to the scientific community and general public
- Promoting the career and research opportunities of ELI



▪ Towards the fourth pillar

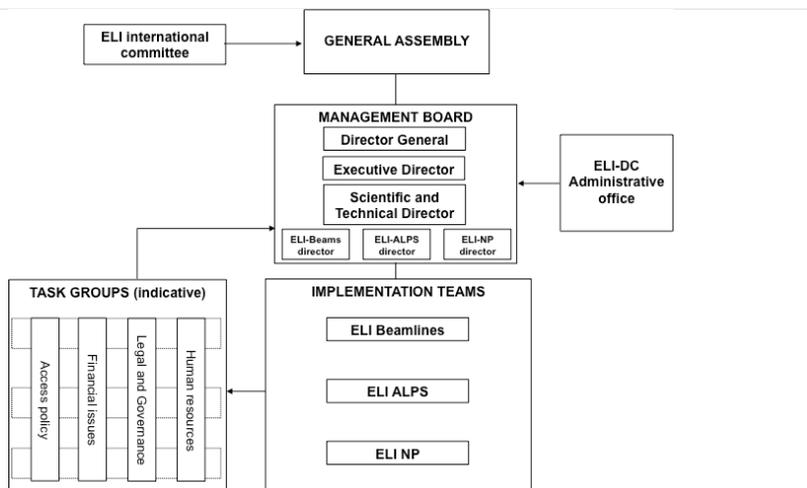
- Recognition of the fourth pillar as an integral and emblematic part of the project
- Need to keep the momentum on the fourth pillar as this is one of the conditions for ELI's competitive leadership
- In 2009, decision to phase the implementation of ELI due to the lack of technological maturity for the fourth pillar
- Central mission of the ELI-DC is to identify a solution for the implementation of the fourth pillar:
 - 2012: competitive assessment of the technological solutions as decided by ELI-PP Steering Committee
 - After review, organisation of all necessary steps for the implementation



- The **ELI Delivery Consortium** will be established as an **independent legal entity** (international non-profit association under Belgian law) with the three local implementation entities (IoP, ELI-Hu Ltd and IFIN-HH) as founding members.
- Membership is open to any "research funding agency of national importance" regardless of the country of origin. Funding agencies can also chose to get involved as "Partners" within the ELI International Committee
- It will be served by a **permanent administrative team** and headed by a Director General recruited via an international competitive selection process
- The three founding partners will provide substantial **resources** to the ELI-DC for its efficient operation
- The ELI-DC will heavily rely on the support of experts and of the community interested in the project to carry out its activities within advisory committees and ad-hoc task groups



Governance structure



Organisation

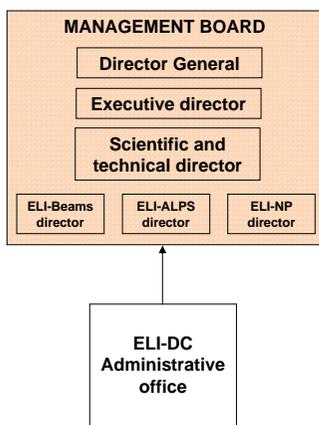
GENERAL ASSEMBLY

Membership: Representatives of the founding members (local entities in charge of the implementation of the three facilities) and of future Members (up to 2 representatives per country)

Main responsibilities:

- Approval of strategic decisions on the objectives and activities of the ELI Delivery Consortium
- Approval of budget
- Appointment and control of Management Board
- Approval of decisions and documentation on topics to be discussed within the International Committee

Organisation



Membership:

- Top management appointed by the General Assembly (permanent employees of the ELI-DC)
- Directors of the three ELI facilities

Main responsibilities:

- Daily implementation of the objectives and strategies of the ELI-DC (including coordination activities and preparation of documentation necessary within the International Committee)
- Representation of the ELI Project to all political, administrative and scientific stakeholders

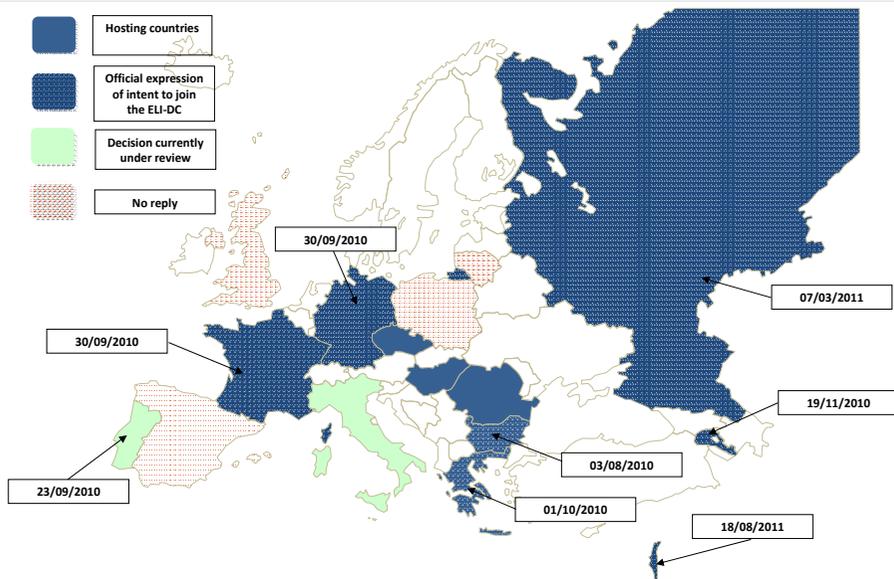
Organisation

ELI international committee

Membership: Representatives of the funding agencies who have expressed their interest in taking part in the negotiations on the establishment of the ELI-ERIC

Main role:

- Negotiation on all topics required for the establishment of the ELI-ERIC (rules for contributions, governance of the future ERIC, access policy, voting rights, connection with RPFs, etc.)



- Articles of Association of the ELI-DC AISBL under legal review
- Submission of deed of incorporation to the Belgian Ministry of Justice in the next few weeks
- Articles of Association will be made available after the legal review
- Search committee for the selection of suitable candidates for the positions of the Director General and Scientific and Technical Director (deadline for candidates 8 December 2011)
- Final discussions on funding between the three founding Members, other contributions (in-kind and cash) welcome
- Recruitment of administrative team by the top management

