



## ELI Laser-Induced Fusion Kick-off Meeting

**28-29 November 2023**  
**Extreme Light Infrastructure ERIC**

### Agenda

**Day 1 - Tuesday, 28 November 2023**

Time	Agenda Item	Speaker
10:00 – 11:00	<b>Registration and ELI Beamlines Laboratory Tours - TBC</b>	
11:00 – 12:00	<b>Section I.</b>	
	<b>Welcome</b>	Allen Weeks ELI ERIC Director General
	<b>Mission-based User Access</b>	Andrew Harrison ELI ERIC Science Director
	<b>Introduction to the ELI-Germany LIF Initiative</b>	Luca Volpe ELI ERIC Co-ordinator for laser-induced fusion research
12:00 – 13:00	<b>Lunch Break</b>	
13:00 – 16:00	<b>Section II. / The laser-fusion landscape: Fusion Energy projects Worldwide</b>	
	A section dedicated to a first introduction to the status of the European countries and institutions that can be relevant for the future of the LIF in the EU. <i>Moderator: Luca Volpe</i>	
13:00 – 14:40	<b>Section II. a</b>	
	<b>The German Roadmap on IFE state of the art and prospective</b>	Constantin Häfner Fraunhofer ILT
	<b>Fusion-related laser plasma expertise and interests in the German Helmholtz Association</b>	Ulrich Schramm HZDR
	<b>US program on laser-driven fusion (including indirect and direct drive schemes) after the NIF ignition shots (what next?)</b>	Riccardo Betti OMEGA
	<b>The recommendations of the US FESAC report</b>	Tammy Ma LLNL

14:40 – 15:00	<b>Coffee Break</b>	
15:00 – 16:15	<b>Section II. b</b>	
	<b>Update on European Fusion Program by EURATOM</b>	Fabio Belloni Fusion European Commission Directorate-General for Research & Innovation (online)
	<b>The European laser fusion community</b>	Dimitri Batani University of Bordeaux, CELIA
	<b>The Laser Mega Joule and the France Program in Laser Fusion</b>	Alexis Casner University of Bordeaux-CNRS-CEA
16:15 – 16:30	<b>Coffee Break</b>	
16:30 – 18:30	<b>Section III. / Possible LIF-related research, experiments, and technological developments at the ELI Facilities and Industrial commitment.</b>	
	<b>The industrial commitment to fusion energy</b>	Federico Canova ELI-ERIC
	<b>ELI Beamlines</b>	Vladimir Tickhonchuk
	<b>ELI ALPS</b>	Subhendu Kahaly
	<b>ELI NP</b>	Daniel Ursescu
19:00	<b>Bus to Prague city centre</b>	
20:00	<b>Social dinner</b>	



**Day 2 - Wednesday, 29 November 2023**

For the second day a series of round tables will be held with the aim of discussing the main scientific and technical challenges of the laser fusion community and highlighting the possible role of ELI in meeting such challenges, taking account of the needs and implication of the German scientific community and industries in such activities as well as identifying which areas they can be engaged in.

Time	Agenda Item	Speaker
9:00 – 9:15	Welcome and Introduction to the round table programme	Luca Volpe
9:15 – 10:30	<b>Parallel section I: Laser-plasma Physics Inertial fusion and applications</b> <b>Round table 1</b> Laser-driven particles and Inertial Confinement Fusion <b>Round table 2</b> ICF related physics such as Extreme state of matter and laser plasma diagnostics	
10:30 – 11:00	<b>Coffee Break</b>	
11:00 – 12:30	<b>Parallel section II: Laser technology and targetry</b> <b>Round table 3</b> Laser technology development for laser fusion <b>Round table 4</b> Targetry technology for laser matter interaction optimization	
12:30 – 13:30	<b>Buffet Lunch</b>	
13:30 - 14:30	<b>Final Joint section with open discussion and concluding remarks</b>	