



Luxembourg, 05.12.2023

## Environmental and Social Completion Sheet (ESCS)<sup>1</sup>

### Overview

Project Name:	EXTREME LIGHT INFRASTRUCTURE
Project Number:	2014-0438
Country:	Hungry
Project Description:	Construction of the Attosecond Light Pulse Source in Hungary, as part of the Pan European Extreme Light Research Infrastructure (ELI)

### Summary of Environmental and Social Assessment at Completion

**EIB notes the following Environmental and Social performance and key outcomes at Project Completion.**

The project aimed to facilitate ground-breaking scientific research in diverse areas, spanning from material science and nanotechnology to medicine, leveraging advanced laser technology. The project scope was implemented without significant alterations to the originally planned. Some additional equipment was required to implement the most recent technologies, hence were included in the scope. As a world-class open-access research facility, the project has already started to foster pan-European collaboration, promoting the exchange of knowledge and cooperation among R&D institutions and scientists. Furthermore, the project has already generated more than two hundred of highly skilled full-time employment.

The project conditions and undertakings related to Environmental and Social aspects were met. More specifically, the promoter provided satisfactory information regarding the requirement to include the archaeological site (located in the direct vicinity of the site) in the design, construction and operation of the facility. The archaeological site was also included in the building permit.

Furthermore, the design of facility included a number of special construction considerations, including a special so-called bentonite-coated technology, used for piles underneath the building site, and a special basement design to reduce the load on the piles and to provide the vibration-free environment required for the operation of laser equipment. The facility also included an environmental control system to monitor emissions in the air, soil and groundwater.

No significant environment or social issues were noted during implementation of the project.

#### **Summary opinion of Environmental and Social aspects at completion:**

EIB is of the opinion based on reports from the promoter that the Project has been implemented in line with EIB Environmental and Social Standards, applicable at the time of appraisal.

<sup>1</sup> The template is for ILs and FLs