

LEAPS and the opportunities for the Synchrotron and FEL Users

Calisto, B.^a & Szlachetko, J.^b

^aALBA Synchrotron, 08290, Cerdanyola del Vallès, Barcelona, Spain

^b SOLARIS National Synchrotron Radiation Centre, Jagiellonian University, Krakow, Poland

bcalisto@cells.es

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[LEAPS](#) – *League of European Accelerator-based Photon Sources* is the largest network of Research Infrastructures (RIs) in Europe. It is a strategic consortium representing thirteen Synchrotron (SR) and six Free Electron Laser (FEL) facilities. Its primary goal is to **guarantee and promote excellence science** as well as **impact of fundamental, applied and industrial research** to the benefit of the European research landscape and of the whole society.

LEAPS offers world-class facilities to maintain global European competitiveness but in view of quality and excellence science has developed a comprehensive and very clear roadmap of the technologies which need to be developed to jointly tackle the global challenges.^{1,2}

Notably, making front to the present global challenges requires more than state-of-the-art technologies and this is why LEAPS also develops a holistic approach to excellence in research and innovation by building a network of trust among its pairs and including actions like Training and Education towards the creation of talent by promoting equal opportunities for all. These views and related actions will be presented at the talk. A special focus will be given to the relations between the LEAPS facilities and its broad User community and how this close collaboration boosts capacity building on Photon Sciences in Europe and informs the next generation of large-scale Research Infrastructures.

References

1. [European Strategy on Accelerator-based Photon Sources - ESAPS 2022 - Published! - LEAPS](#)
2. [LEAPS Technology Roadmap 2025 - Strengthening photon science in Europe - LEAPS](#)