Synchrotron Radiation and the European User Organization

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There are more than 60 sources of electromagnetic radiation sources generated by accelerated particles in the world [1], producing top-level science and advanced applications in a variety of fields. Among them, 14 synchrotron radiation (SR) and 8 free electron laser (FEL) european sources are part of a coordinating european project [2], together with the European Synchrotron and FEL User Organization (ESUO) [3].

In this work, we will show the organization of the SR european coordinating programmes and groups. The european projects (like CalipsoPlus) foster development of new techniques and coordinate the transnational access programme for users who are awarded beamtime for experiments at these sources, on a free competitive base. In particular, the European Synchrotron and FEL User Organization ESUO promotes an integrated approach to the use of SR throughout Europe, enabling all European scientists to access appropriate SR facilities based on scientific merit, facilitating open access to European national accelerator based radiation sources throughout programmes of the european union (EU), and playing an active role in stimulating both the European Commission and the facilities.

[1] http://www.lightsources.org/regions
[2] http://www.wayforlight.eu/eng/home.aspx
[3] http://www.wayforlight.eu/eng/esuo.aspx