



# XLS 1<sup>st</sup> Annual Project Meeting

## Barcelona, December 10-12, 2018

<http://compactlight.eu>





***Our aim is to facilitate the widespread development of X-ray FEL facilities across Europe and beyond, by making them more affordable to construct and operate through an optimum combination of emerging and innovative accelerator technologies.***



***We plan to design a Hard X-ray Facility using the very latest concepts for:***

- a. High brightness electron photoinjectors.***
- b. Very high gradient accelerating structures.***
- c. Novel short period undulators.***

***The resulting Facility will benefit from:***

- i. A **lower electron beam energy** than current facilities, due to the enhanced undulator performance.*
- ii. Will be **significantly more compact** due to lower energy and high gradient structures.*
- iii. Will have a **much lower electrical power demand** than current facilities.*
- iv. Will have **much lower construction and running costs.***



**Making X-ray FELs more affordable**



## - WP organization:

### ➤ Partners Involvement & Contributions:

- it is extremely important that each Partner participates the periodical WPs meetings providing the assigned contribution!!! This needs to be monitored by the WP leader.

### ➤ Iterations between the WPs (communication, inputs....)

### ➤ Difficulties encountered in the first year and corrective actions.

### ➤ How to organize the Deliverables expected for the coming 6 months (assignments, timing, charges.....)

## - Future work (needs, decisions ...)

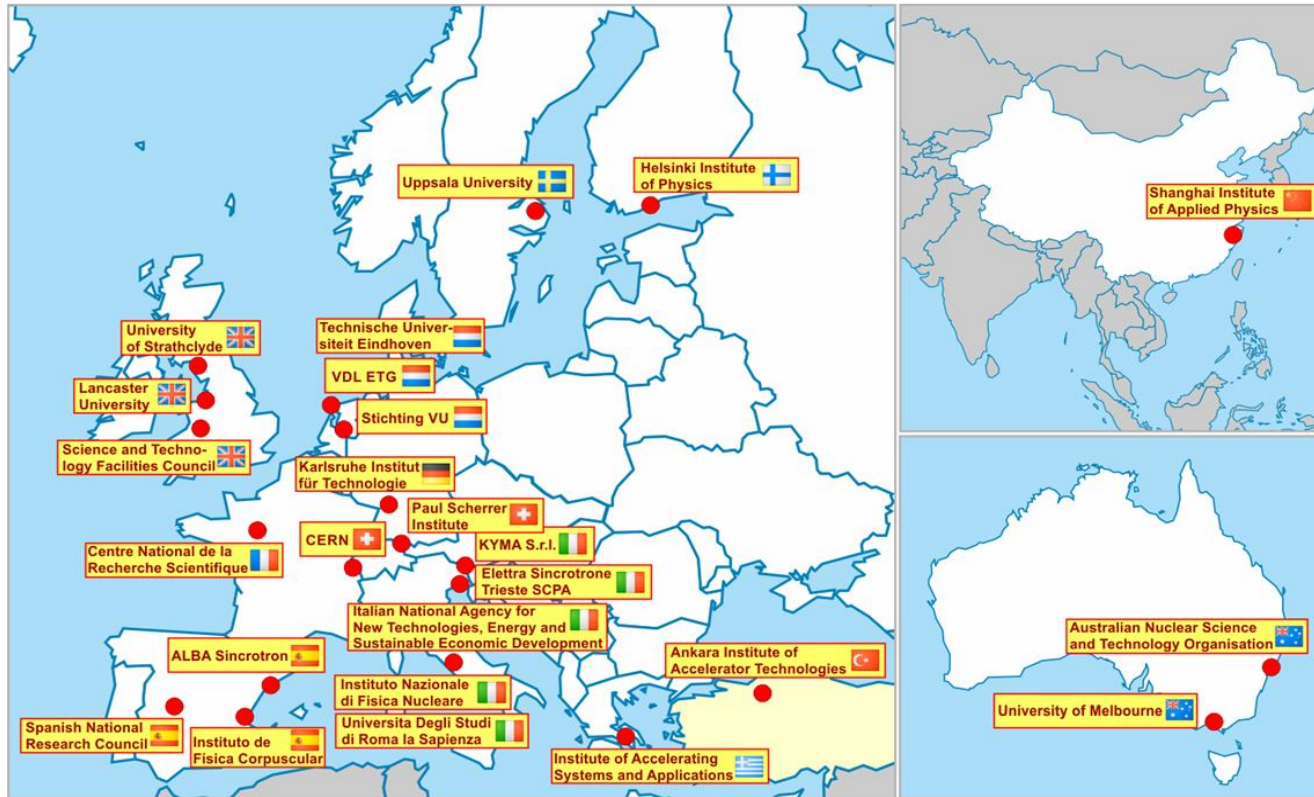
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# Thank you!

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