



Task structure:

Task 1: Layout and optimization of the linac rf system
Task 2: Industrialization
Task 3: Modulator technology
Task 4: Power sources for higher-harmonic systems
Task 5: Integration

Highlights:

- Six WP4 meetings over course of year <https://indico.cern.ch/category/9781/>.
- Strong activity in all tasks:
 - Linac rf system benefits from strong synergy with INFN EuPRAXIA@SPACRLAB
 - Integration, how to specify and document our design and layout, is a project-wide issue
 - Modulator technology may support 100 Hz high-energy/1 kHz low energy dual-mode running
 - High-harmonic power source advances, now combined with linearizer system-level study looks good. Strong collaboration with WPs 3 and 6.
 - Industrialization needs system specifications to settle before they can sink their teeth in.
- First deliverable report due in mid-2019.



Focus on a selection of issues, not try to be comprehensive:

1. Update on the X-band linac rf system – Marco Diomedé (INFN) 15 minutes
2. Integration: components, dimensions and layout – Markus Aicheler (Helsinki) 15 minutes
3. 36 GHz linearizing system, initial study – Xiaowei Wu (CERN) 15 minutes
4. Update on the 36 and 48 GHz power source development – Liang Zhang (Strathclyde) 15 minutes



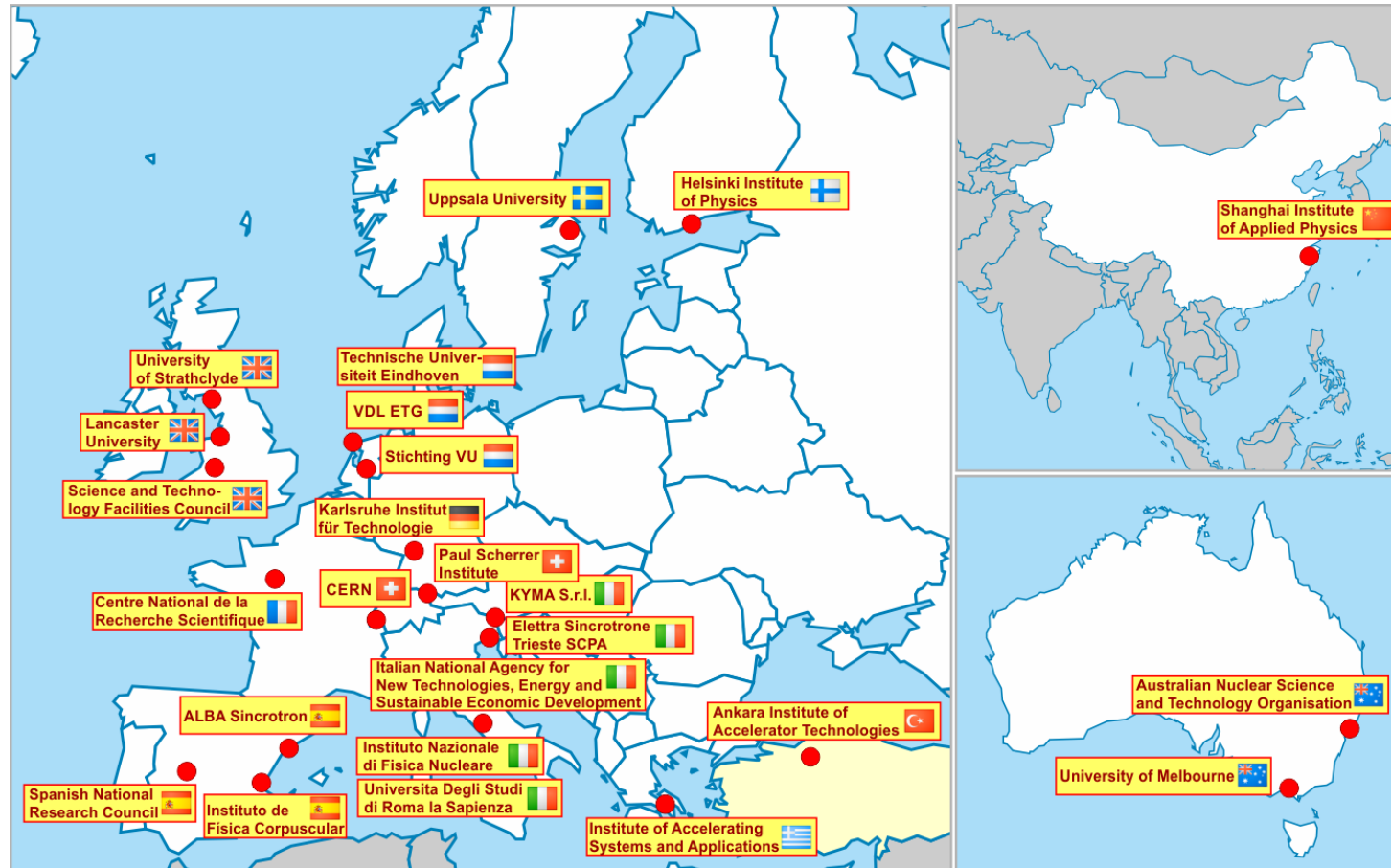
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Thank you!

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