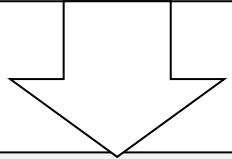


European Plasma Research Accelerator with eXcellence In Applications

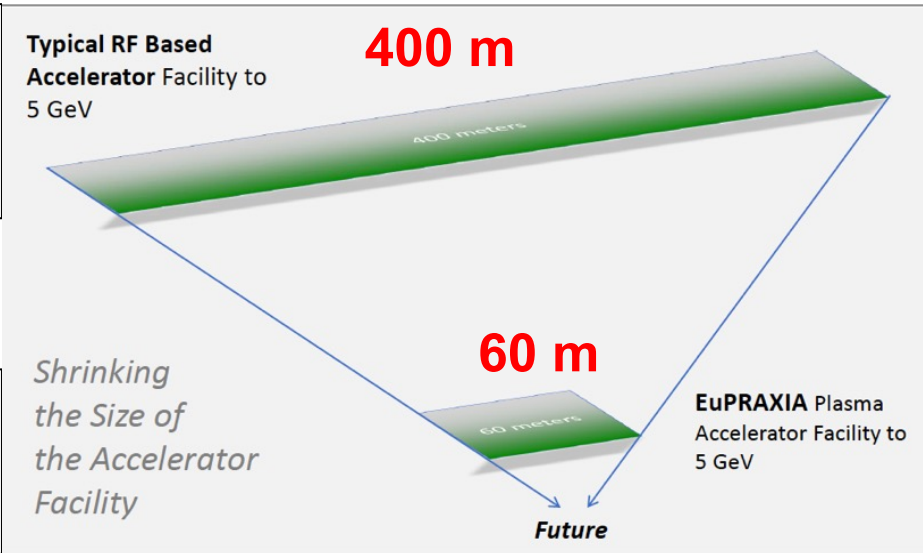
European High-Tech Project on Accelerator Innovation



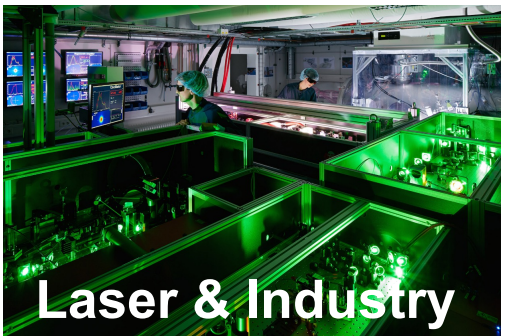
RF Particle Accelerators
> 30,000 operational – many serve for Health
30 million Volt per meter
RF: 90 years of success story for society



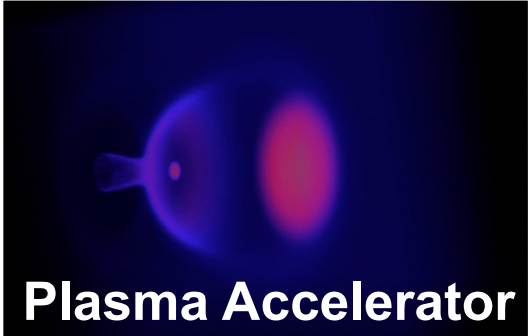
Plasma Particle Accelerators
first user facility to be realized
100 billion Volt per meter



600+ page CDR,
240 scientists contributed



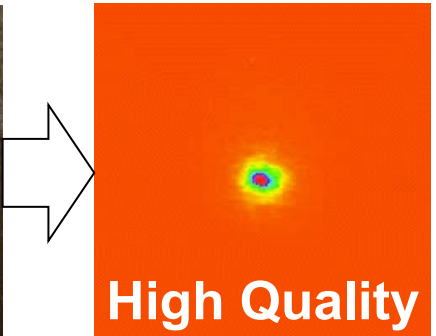
Laser & Industry



Plasma Accelerator



RF



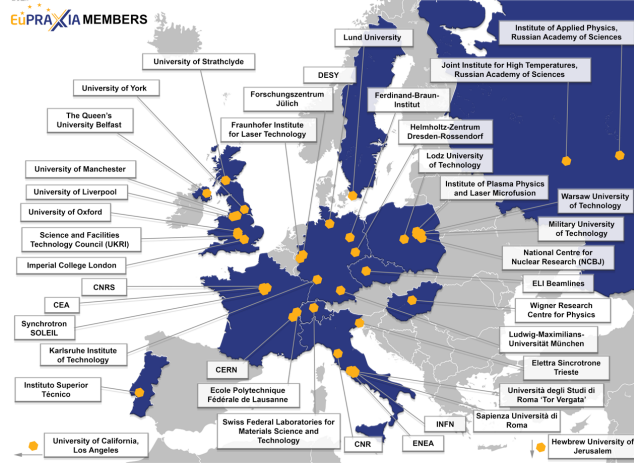
High Quality

Added value
new RI's due to compactness and cost-efficiency – ultra-fast science bringing new capabilities to institutes, hospitals, universities, industry, countries.



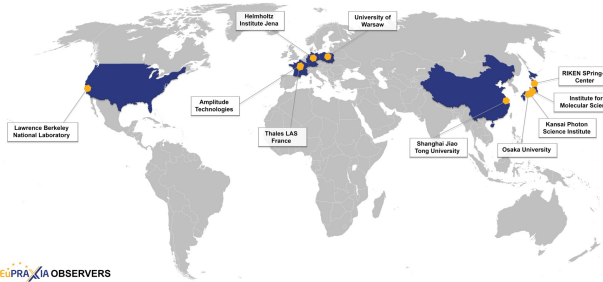
European Plasma Research Accelerator with eXcellence In Applications

Distributed RI Involving 50 Institutes from 15 Countries

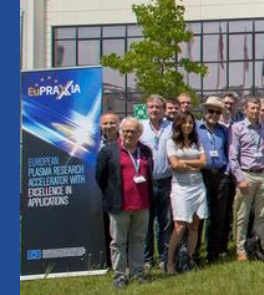


LNF-INFN
Frascati,
Rome, Italy

Construction
Site & Head-
quarter



**Ideas & Talents
Collaboration
Open Innovation
Opportunity**



**Start of user operation
in Frascati:
2028**

2nd construction site in Europe for a laser-driven
plasma accelerator facility to be decided in two years

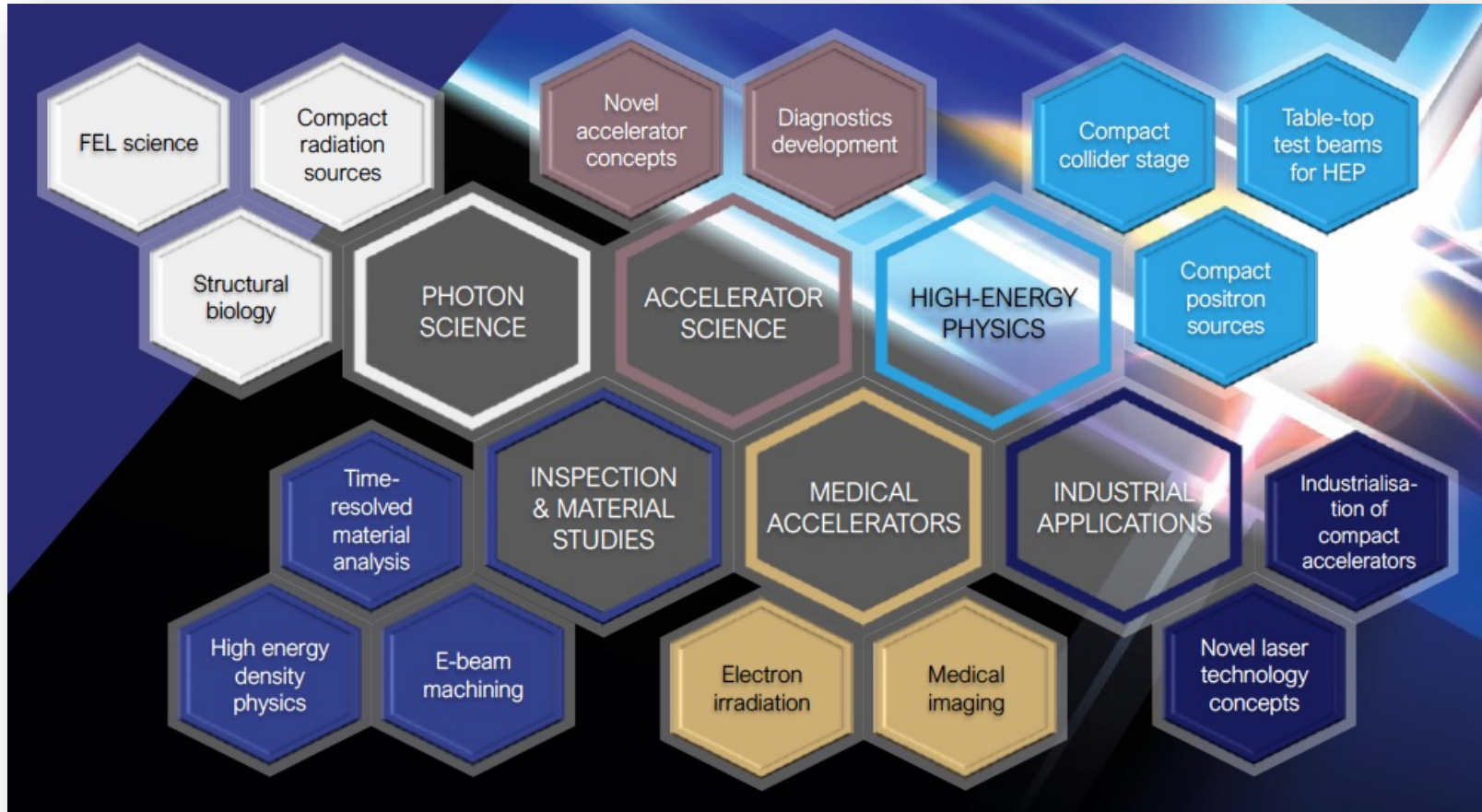


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 653782.

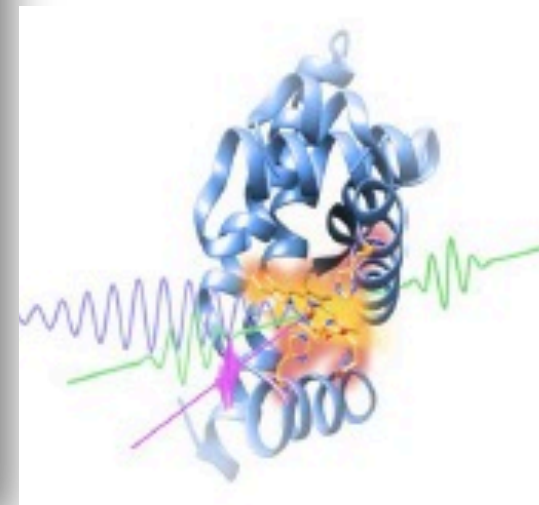


European Plasma Research Accelerator with eXcellence In Applications

Versatile – Designed for Users in Multiple Science Fields



EuPRAXIA delivers:
Ultra-short pulses of X rays, up to 5 GeV electrons, high energy positrons



proteins, viruses, bacteria, cells, metals, semiconductors, superconductors, magnetic materials, organic molecules