

NFFA-Europe PILOT: offering access and researching infrastructure schemes for science in the nanodomain

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Abstract

For five years, NFFA-Europe [1] has assembled a distributed research infrastructure integrating nanofoundries (synthesis and manipulation of nanostructures) with fine analysis available at European large-scale facilities. It has created a unique transnational offer for the nanosciences and nanomaterials community under a competitive free access scheme open to worldwide scientists. Thanks to the NFFA-Europe PILOT (NEP) project, funded by the European Union with the Horizon 2020 call INFRAIA-03-2020 and recently launched, such offer access will be extended until 2026. Since March 1st the consortium has been enlarged from nineteen to twenty-two beneficiaries and also includes nine "third parties" as specialized scientific service providers. The offer has been similarly broaden: while keeping the NFFA technical offer core around theoretical simulations, growth/synthesis, patterning/device making and a wide portfolio of characterization techniques of material systems at clean rooms, material oriented labs, synchrotron light sources and neutron sources, extra capacity at micro and macro scalability has been added. The project is coordinated by CNR-IOM, and the consortium partners include entities from nine Member States of the European Union (France, Germany, Greece, Italy, Portugal, Slovenia, Spain, and Sweden) plus Switzerland and three international organizations. As it can be seen in figure 1, relevant poles are located in Barcelona - in the UAB Campus, involving CSIC institutes (IMB-CNM and ICMAB), ICN2 and UAB itself -, and also in Grenoble, around CEA-LETI and ESRF.

REFERENCES

[1] www.nffa.eu

FIGURES



Figure 1: NEP consortium