



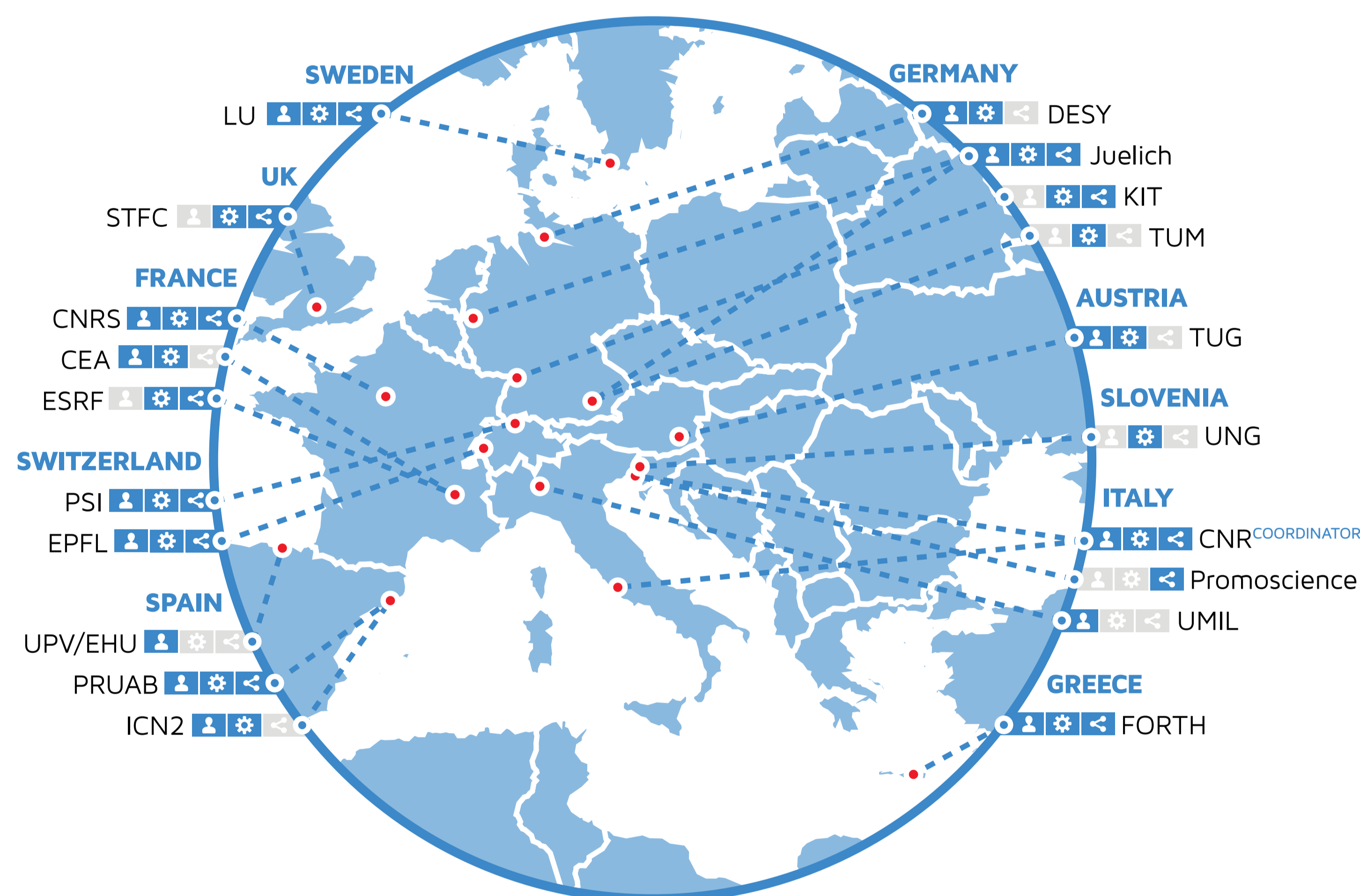
AN OPEN ACCESS RESOURCE for experimental & theoretical nanoscience

NFFA-EUROPE sets out a platform to carry out comprehensive projects for multidisciplinary research at the nanoscale extending from synthesis to nanocharacterization to theory and numerical simulation. Advanced infrastructures specialized on growth, nano-lithography, nano-characterization, theory and simulation and fine-analysis with Synchrotron, FEL and Neutron radiation sources are integrated in a multi-site combination to de-

velop frontier research on methods for reproducible nanoscience research and to enable European and international researchers from diverse disciplines to carry out advanced proposals impacting science and innovation. NFFA-EUROPE will enable coordinated access to infrastructures on different aspects of nanoscience research that is not currently available at single specialized ones and without dupli-

cating their specific scopes. Approved users projects will have access to the best suited instruments and support competences for performing the research, including access to analytical large scale facilities, theory and simulation and high-performance computing facilities. The users access will include several "installations" and will be coordinated through a single entry point at the

NFFA.EU portal that will activate an advanced user-infrastructure dialogue to build up a personalized access programme with an increasing return on science and innovation production. The own research activity of NFFA EUROPE will address key bottlenecks of nanoscience research: nanostructure traceability, protocol reproducibility, in-operando nano-manipulation and analysis, open data.



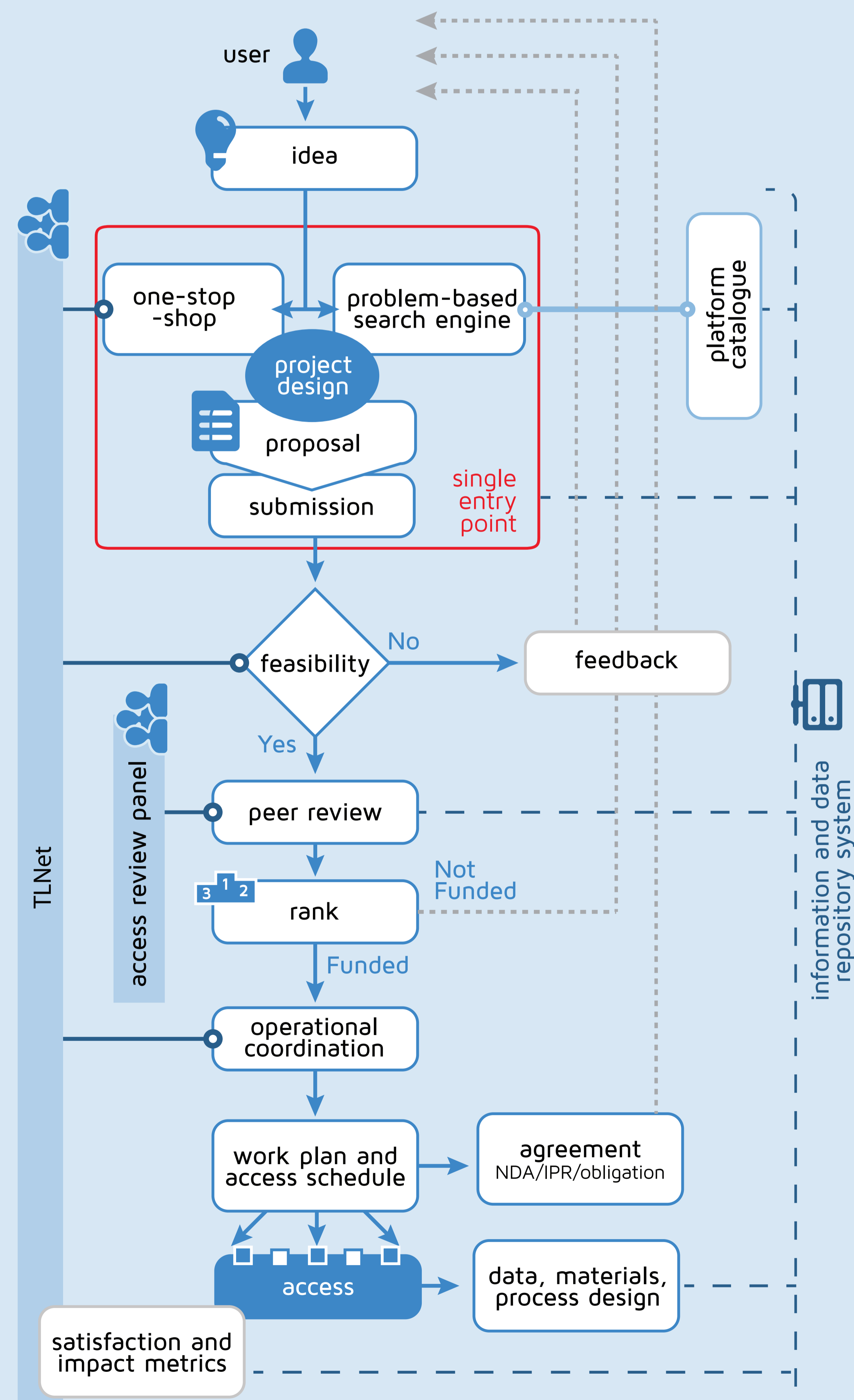
the consortium

NFFA-EUROPE integrates 20 Partners, half of which are nano-foundries that are co-located with Analytical Large Scale facilities.

single entry point

for proposal submission

The access management structure ensures optimized service provision to users and guarantees scientific excellence and innovation of the selected proposals as collected via a Single Entry Point (SEP) portal with the assistance of the Technical Liaison Network (TLNet).



the overall offer

TA Transnational access activities

performed at nano-laboratories and ALSFs, will provide the opportunity to integrate theory and numerical analysis, structural and morphological characterization, electronic and chemical characterization, and magnetic, optical and electric characterization. It also will provide the opportunity of accessing to state-of-the-art nanolithography/nanofabrication installation and to one installation for growth of materials, by physical and chemical methods.

JRA Joint research activities

will develop methods and tools at the frontier in nanoscience research and will feed back into an improved offer of the research infrastructure to carry out academic as well as industrial projects.

NA Networking activity is designed and organized to foster an effective interface with the wide-ranging user communities, as well as looking ahead to make experimental data suitable for industrial exploitation.

