



THE DOCTORAL THESES SUPPORTED BY THE SGIKER PLATFORMS OF THE UNIVERSITY OF THE BASQUE COUNTRY ARE ALIGNED WITH THE HORIZON 2020 PROGRAMME

Abstract

The Platforms of the Advanced Research Facilities of the University of the Basque Country (UPV/EHU), SGIker, have been developing an essential support for research since 2004 in the areas of Advanced Manufacturing, Energy and Sustainability, Biosciences and Health, all of which are considered strategic lines in the European Horizon 2020 Programme, in Science, Technology and Innovation, Plan Euskadi 2020, and world research, both inside and outside the UPV/EHU.

A highly qualified staff and infrastructure, present in the three campuses of the University of the Basque Country, accompany the research staff in all phases of knowledge generation. In this way, we consider that one of the most important step is the development of doctorate degree, because PhD students are the future researchers. For these reason, the Plataforms SGIker has supported the work of doctoral theses in all areas.

We have analysed 694 Doctoral Theses generated by the users of the SGIker Platforms. This study reveals the multidisciplinary relationship of the areas as well as the pre-eminence of those topics that most concern society.

In a graphic view, made with Wordclouds, the existence of multiple intangible research networks is shown in which the different knowledge and techniques necessary to face the challenges of current Science meet.

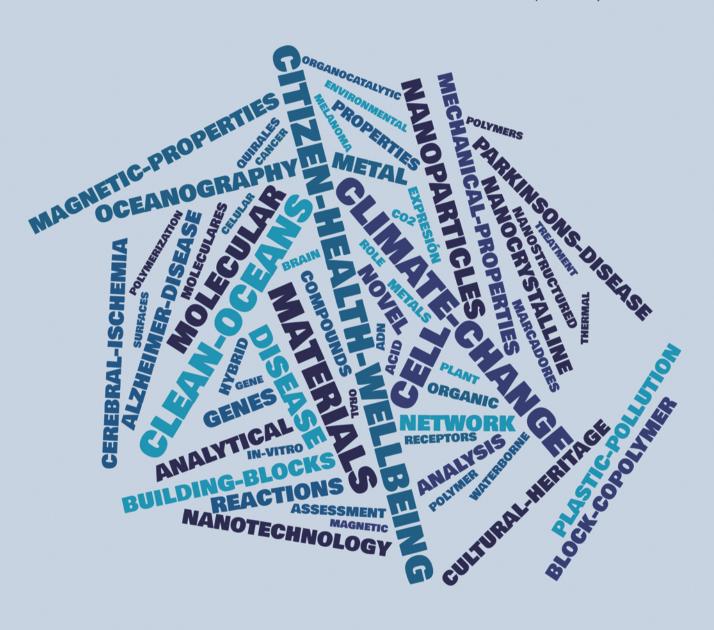
Keywords

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SGIker platforms

Advanced manufacturing

- Microscopy: Polymer Characterization
- Macrobehaviour Mesostructure Nanotechnology
- X-Ray Photoelectron Spectroscopy (XPS)
- X-Rays
- Electronic Microscopy and Material Microanalysis
- Magnetic Measurements
- Nuclear Magnetic Resonance (NMR)
- Coupled Multispectroscopy Singular Laboratory (Raman-LASPEA)

Energy

- Laser Facility
- Geochronology and Isotope Geochemistry
- Cartography Service and Geographic Information Systems
- X-Rays
- Electronic Microscopy and Material Microanalysis
- Magnetic Measurements

• Biosciences / Health

- Animal Unit
- DNA Bank
- Gene Expression
- Sequencing and Genotyping
- Biological Containment Laboratory Level 3 (NCB3)
- Forensic Entomology
- Analytical and High-Resolution Microscopy in Biomedicine
- Proteomics
- Radioisotopes
- Phytotron and Greenhouse





