

ess-bilbao a commitment to the future

ESS-Bilbao, the firm commitment to host ESS in Bilbao

The Spanish and Basque governments have joined forces in forming the ESS-Bilbao Consortium to lead the Spanish candidature for ESS.

This commitment is witnessed by a set of actions and financial undertakings to establish a new large European research infrastructure, with an special emphasis in the long term funding for R&D projects and the design phase of ESS.

Spain, a long tradition in Neutron Sciences

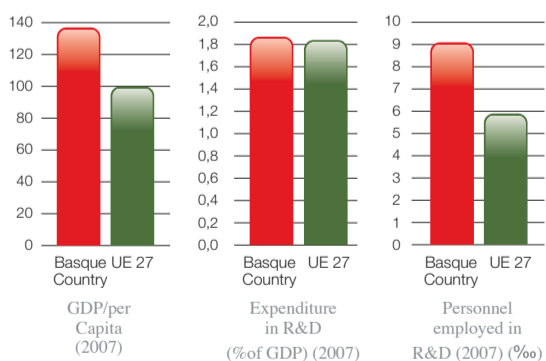
Spain has shown its steadfast resolve in the development of a coherent strategy for neutron sciences in Europe in the light of the ESS:

- 20 years as scientific member of ILL, with a total investment of 41 million euros since 1986
- increasing contribution to ISIS, 9 million euros of total investment since 2005
- important scientific production (2.122 documents from 1997 to 2006)
- active user community with more than 250 members

The construction of the ESS reflects a determination to place this country and Europe at the highest levels of scientific excellence in the world.

The Basque Country, an enterprising region in the centre of Europe

Bilbao is located in a very dynamic region, historically, culturally and economically



Aiming to be the next knowledge hub in Europe:

Research infrastructures	18 Applied Research Centres 6 Basic Research Centres 6 Technology Parks 4 Universities
Accesibility	3 international airports 2 high speed trains 2 main ports
Higher Education	26.1 graduates in Science and Technology per 1,000 inhabitants (EU=12.6)

An infrastructure for Science & Technology at the forefront of European research

ESS-Bilbao has engaged in a coherent international R&D programme to meet the design goals of the European Spallation Source which covers:

- the conceptual design of the accelerator in parametric form (with SNS and CEA/CNRS)
- the adaptation and prototyping of superconducting cavities (with CEA/CNRS)
- deliver of key components for accelerating structures and RF power distribution (Linac4 and SPL projects in CERN)
- target development (with SNS)
- development of neutron instrumentation (with ISIS and ILL)

A world class location

The location selected for ESS complies with all requirements for a best in class facility.

ESS in Bilbao will be located at the BIZKAIA TECHNOLOGY PARK, in a dynamic environment ready to convert knowledge into innovation, 15 km from the city centre, 10 km from the Bilbao International airport and 15 km from the University of the Basque Country.

- over 200 companies
- 12 Applied research centres
- the Basque Biopole
- 7000 workers
- 54% university degrees
- 24% develops R&D projects
- 50% of private investment in R&D

