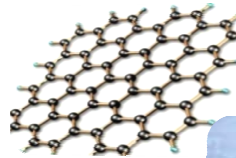


Spain for Innovative Industries

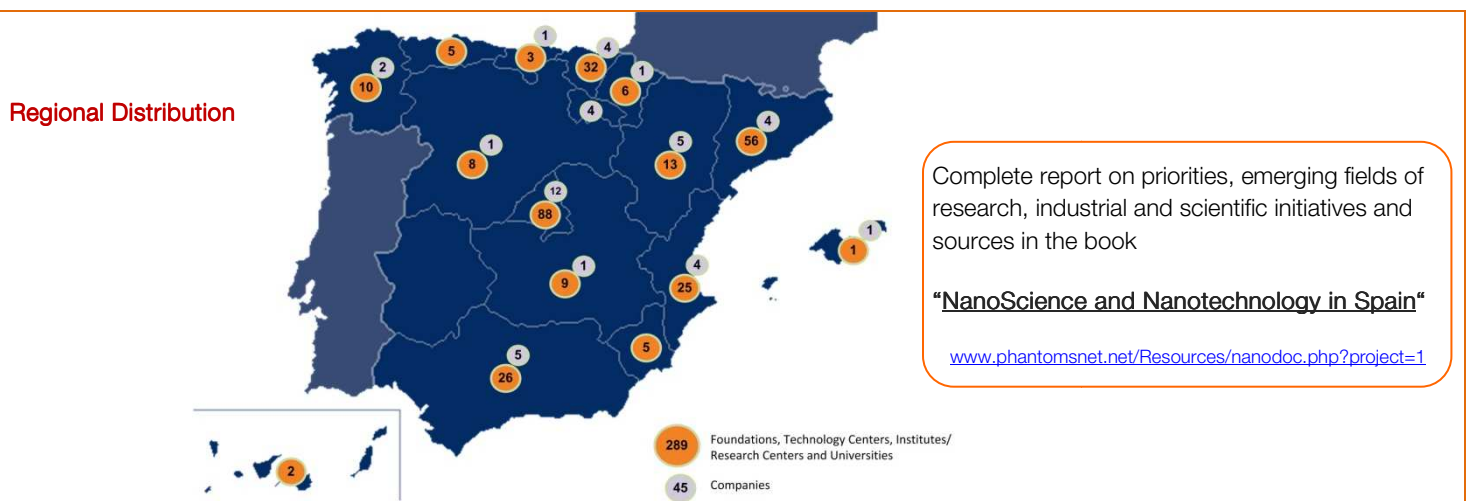


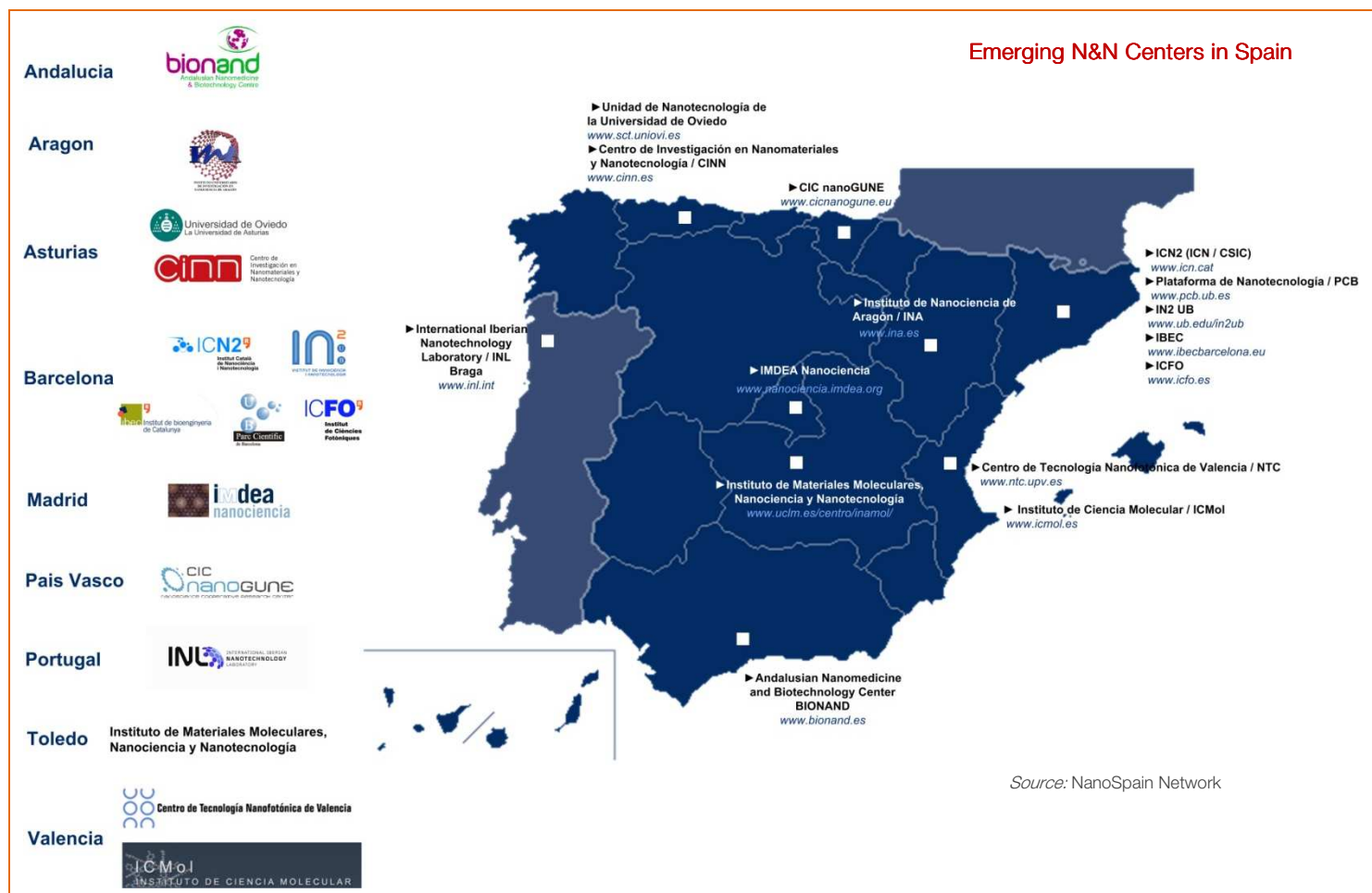
WHY SPAIN FOR INNOVATIVE INDUSTRIES?

Spanish Capabilities in Nanotechnology and Nanoscience

- **Spanish industrial innovation system** is prepared to be at the **forefront** of new nanotechnologies and industrial production of nanomaterials and nanoproducts in Europe, **especially graphene**.
- Industrial sectors as chemicals and pharmaceuticals, textiles, plastics, healthcare, electronics, auto-parts, aeronautics and other industries are gradually incorporating nanotechnologies and nanomaterials to their processes and products **made in Spain**.
- The number of companies and research bodies focusing on nanotechnology is growing steadily in Spain through the last years.
- **Innovation Networks and Bodies. Nano-companies.**
 - **NanoSpain: Spanish Nanotechnology Network** (www.nanospain.org) brings together **310 research groups, 50 companies** and a **research task force of around 2,500** researchers and technicians. Network coordinators: *Phantoms Foundation* (www.phantomsnet.net) and *CSIC* (www.csic.es).
 - **Phantoms Foundation** (www.phantomsnet.net) focuses its activities on nanoscience & nanotechnology and is a key actor in structuring and fostering European excellence and enhancing collaborations in this field.
 - **CSIC – National Research Agency** (www.csic.es), co-founder of the network, is the **Spanish scientific body** of reference working in **8 scientific areas, 130 research centers** and **institutes** a total staff of **15,000 (8,000 scientific researchers)** that have participated in **3,633** national and international **projects/actions** in 2012. *CSIC* has a wide set of technological offers in **nanotechnology, industrial partnering services and collaborations for R&D&I activities**.
 - **Nano-companies in Spain:** The catalogue of Spanish nano-companies compiled by the *Phantoms Foundation* in collaboration with *ICEX Spain Trade and Investment* showcases **100 innovative companies** providing a general overview of the sector in Spain (catalogue: www.phantomsnet.net/Resources/nanodoc.php?project=1).
 - **Spanish Federation of Technology Centers (FEDIT)** (www.fedit.com) Represents 34 technology centers all over the Spanish territory specialized in **industrial innovation** and **technological services**. *FEDIT's* centers are working for every productive sector.
 - **Science and Technology Parks. 77 parks** hosting 6,206 technology-based companies and institutions (www.apte.org)

NANO-RESEARCH GROUPS AND COMPANIES





GRAPHENE

- In the fields of graphene research Spain occupied the 7th position in the ranking of countries in published papers (*source: Web of science 2007-2009*)
- Spanish companies are among European leaders in graphene production and exports.
- Companies like **Graphenea** (www.graphenea.com), **Graph Nanotech** (www.graphnanotech.com) or **Avanzare** (www.avanzare.es) are developing innovative processes and advanced products to supply companies as Nokia, Philips, Canon, Nissan or Sigma Aldrich.
- **CDTI** (Center for Industrial Technological Development) and the Spanish petrochemical multinational **REPSOL** have co-invested **€1M** in the company **Graphenea** to develop high quality graphene for international markets.
- **Research laboratories** in Spain are developing advanced products for electronic applications used by multinational companies like **TOSHIBA**.
- **CSIC** (Spanish National Research Agency) has more than 50 research groups in 17 centers working in nanotechnology competitive research.
- Spain is actively participating in the EU Graphene Flagship. **300 Spanish researchers** are currently working on graphene (*source: CSIC - Institute of Materials Science of Madrid*)

INVEST IN SPAIN is the Directorate in charge of attracting foreign direct investment in ICEX-Spain Trade & Investment, government enterprise under the Secretary of State for Trade (Ministry of Economy and Competitiveness)

At INVEST IN SPAIN we provide you with professional, confidential and free services throughout the process of investing in Spain: from investment planning and evaluation, to set up and post-investment. To see a full list of our services, please visit our website www.investinspain.org

Contact Person:

Ana Heras

Project Manager

e-mail: Ana.E.Heras@icex.es

Phone: + 34 91 503 58 25

INVEST IN
SPAIN