



Spanish environmental sector

THAI-SPANISH JOINT WORKSHOP

*“OPPORTUNITIES FOR INDUSTRY-DRIVEN R&D
COOPERATION IN GREEN TECHNOLOGIES”*

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This initiative is co-financed by the Spanish Ministry of Economy and Competitiveness, within Plan Estatal de Investigación Científica y Técnica y de Innovación 2013 – 2016.



The Spanish Technology Platform for Environmental Technologies (PLANETA), born in 2008, consists of a **group of organisations** focused on the Environmental Technologies sector. Its main goal is to promote the Environmental Technologies, **aligning Spanish and European RDI priorities and actions.**

Objectives

Support the definition of R&D and innovation priorities, strategies and programmes related with environmental technologies.

Promote the collaboration to set up R&D and innovation projects in strategic areas.

Innovation Ecosystem



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Plataforma de Tecnologías Ambientales

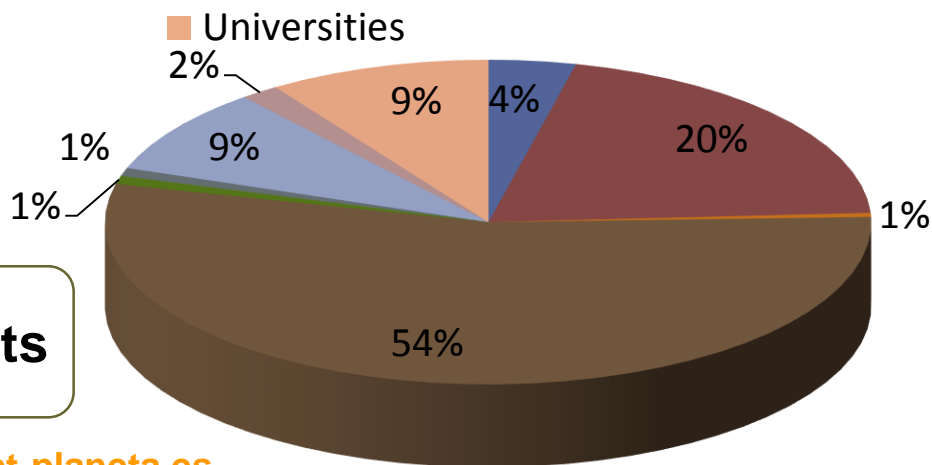
European Platforms
European Initiatives
Clusters

Spanish Platforms
Business Associations
Clusters



290 organizations = 590 participants

- National and regional Public Administration
- Foundations, Technology and Research Centres
- Professional Associations
- Firms and Business Associations
- Normalisation and standardisation bodies
- Business support organisations
- Public Research Institutes
- Networks and Technology Platform





The **Environmental Technologies** are key for a competitive **industry** and **sustainable and smart cities**.

Water
<ul style="list-style-type: none">• Desalination• Water reuse• Water management• Water and energy

Waste/Raw materials
<ul style="list-style-type: none">• Recycling• Valorization• Reuse• Waste planning and management

Energy
<ul style="list-style-type: none">• Solar energy• Wind energy• Biomass• Biofuel

Environmental technologies support industry and cities to ensure an **efficient use of resources**:

- To prevent and reduce the environmental pollution.
- To save cost by saving water, energy and materials.
- To make more resilient cities.





The Spanish public and private sectors are involved and lead the main European RDI initiatives in Environmental Technologies:

Joint Programming Initiative

“Water challenges for a changing world”



Water JPI aims at tackling the ambitious challenge of achieving sustainable water systems for a sustainable economy in Europe and abroad through a multidisciplinary approach which encompasses economy, ecology, society, technology.

European Innovation Partnership on Water

EIP Water aims at:

- accelerating development of water innovation
- contributing to sustainable growth and employment
- stimulating uptake of water innovations by market and society





European Innovation Partnership on Raw Materials

EIP on Raw Materials aims:

- at making Europe the world leader in capabilities related to exploration, extraction, processing, recycling and substitution of non-energy and non- agricultural raw materials.
- at ensuring the sustainable supply of raw materials to the European economy.

Raw Materials
Alternate
Recycle
Extract

Sustainable Process Industry through Resource and Energy Efficiency

SPIRE is addressing three challenges:

- to rejuvenate the European process industry that is at the basis of European economy in terms of turnover, employment and generation of technologies for all industrial sectors.
- to reduce resource and energy inefficiency and the environmental impact of industrial activities.
- to create growth and increase the competitiveness of Europe in a global market.

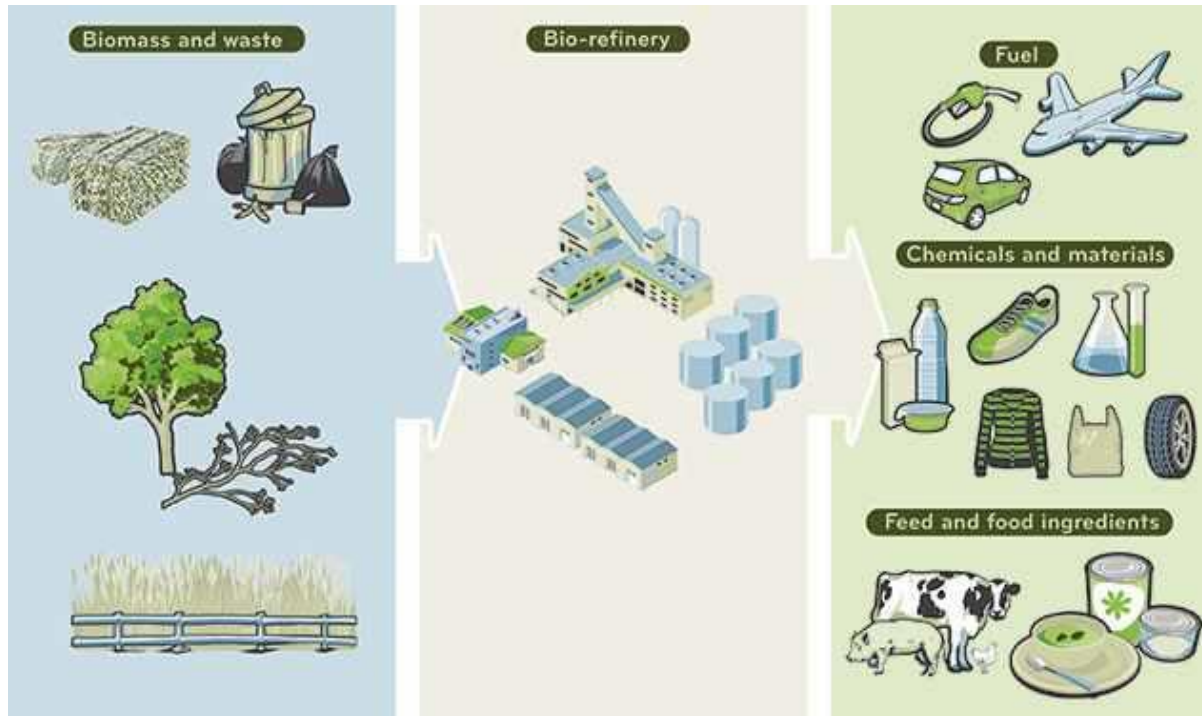
SPIRE



Biobased Industry Consortium



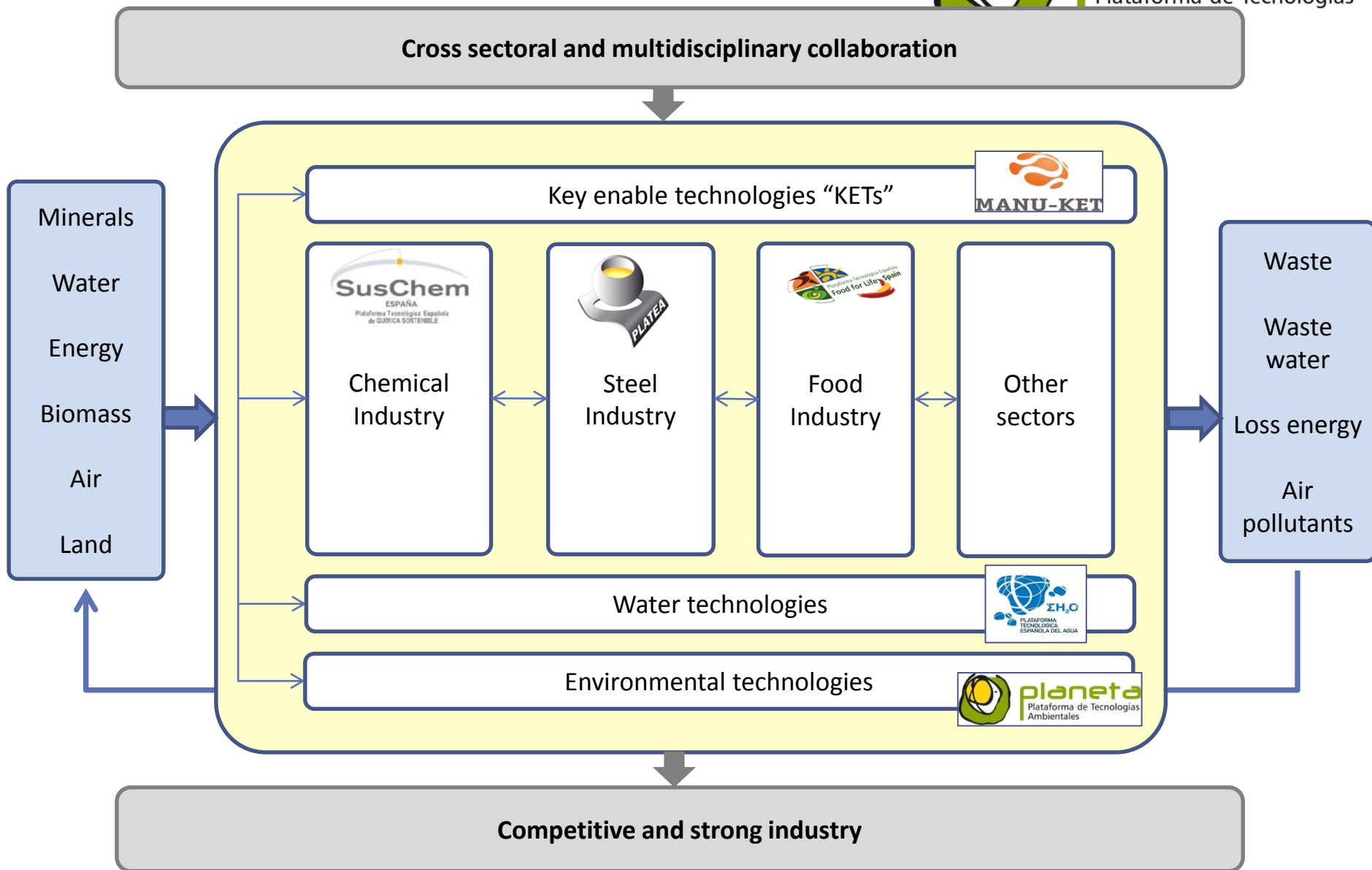
The industry vision is that of a competitive, innovative and sustainable Europe leading the transition towards a **post-petroleum society** while decoupling **economic growth** from **resource depletion** and **environmental impact**.



How boost Circular Economy?



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Public Procurement of Innovation for resource efficiency

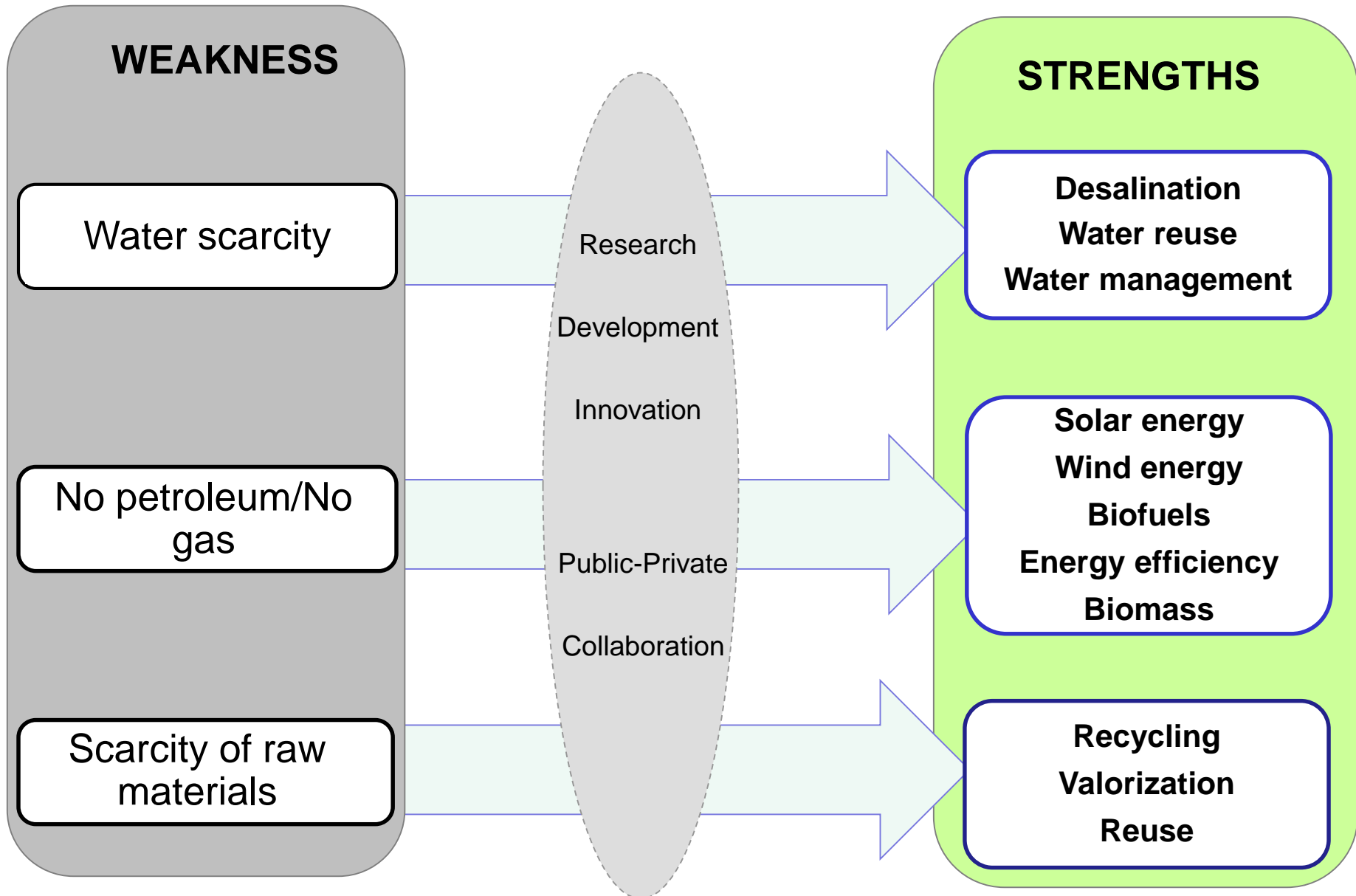
“Public procurement of innovative solutions' means procurement where contracting authorities act as a launch customer for innovative goods or services which are not yet available on a large-scale commercial basis, and may include conformance testing”

High potential for:

Water management

Waste management

Air quality and climate change





What we can offer?

Advanced knowledge

High technologies

Broad experience around the world

The knowledge and technological expertise can be adapted and replicated in other contexts

**AINIA, CIEMAT, CIMNE, GAMESA, HIDRITEC WATER,
SYSTEMS, IMDEA WATER, REFRACERAM, TEIMAS
DESENVOLVEMENTO**

Thanks for your attention!

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