

The role of innovation from the perspective of a Public Administration

Awareness Session: Social acceptance of innovation in the energy sector
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Andalusian Knowledge Agency

Responsible for International Technology Transfer

Andalusian Knowledge Agency



- **Public Corporate Agency** from the Ministry of Economy and Knowledge of the Andalusian Regional Government
- Constituted in **2011** as a result of the application of the Andalusian Law of Science and Knowledge
- Special purpose entity created for the **coordination and management** of the Andalusian Knowledge System.



Andalusian Knowledge Agency: Areas

Knowledge Transfer

Promotion of technological innovation and knowledge transfer in Andalusia

International Programmes

Promotion of participation of the Andalusian entities in the VII FP and other RDI international programmes

Technological studies and foresight

Knowledge acquisition of forecast and evolution on RDI data

Postgraduate Higher Education

International mobility grants for Andalusian university students (Talentia scholarships,, Talentia Postdoc, Talent Hub)

University Quality

Quality Assessment, Accreditation & Certification of Andalusian university institutions and teaching and researching staff

The concept of Innovation

“An innovation is the implementation of a **new or significantly improved** product (good or service), or process, a new marketing method, o a new organisational method in business practices, workplace organisation or external relations”

OECD and Eurostat, “The measurement of scientific and technological activities: guidelines for collecting and interpreting innovation data: Oslo manual”

The importance of innovation

Industry accounts for 80% of Europe's exports. Some 65% of private sector research and development (R&D) investment comes from manufacturing. Therefore, industrial modernization in Europe must be broad-reaching and include:

- the successful commercialization of product and service innovations
- the industrial exploitation of innovative manufacturing technologies
- innovative business models

Special focus on (**SMEs**): they face constraints to innovation or to the commercialization of its innovations.

- Some 63% of companies with between 1 and 9 employees declared having introduced at least one innovation since 2011, compared to 85% of companies with 500 employees or more.
- Some 71% of companies with between 1 and 9 employees encountered difficulties commercializing their innovations due to a lack of financial resources, compared to 48% of companies with 500 employees or more.



Strategies and Programmes





EUROPE 2020 Strategy



The Europe 2020 strategy is the EU's agenda for growth and jobs for the current decade.

It emphasizes smart, sustainable and inclusive growth as a way to overcome the structural weaknesses in Europe's economy, improve its competitiveness and productivity and underpin a sustainable social market economy.

Priorities:

- 1) Smart growth: developing an economy based on knowledge and **innovation**
- 2) Sustainable growth: promoting a more resource efficient, greener and more competitive economy
- 3) Inclusive growth: fostering a high-employment delivering social and territorial cohesion





EUROPE 2020 Strategy



Flagship Initiatives

- 1) Smart growth
 - 1) "Innovation Union"
 - 2) "Youth on the move"
 - 3) "A digital agenda for Europe"
- 2) Sustainable growth
 - 1) "Resource efficient Europe"
 - 2) "An industrial policy for the globalization era"
- 3) Inclusive growth
 - 1) "An agenda for new skills and jobs"
 - 2) "European platform against poverty"



- Defines the objectives and the prioritization criteria of research and innovation fields, and ICT use, as well as the opportunities in the specialization domains of the Andalusian economy.
- The vision is based on the assumption that Andalusia in the future has to be entrepreneurial; advanced in education and training; open; healthy and attractive to live; and sustainable and social.
- The **priorities** set are:
 1. mobility and logistics;
 2. the industry linked to transport;
 3. the management of the region's own resources;
 4. the promotion of Andalusia as a touristic destination;
 5. the health system and welfare;
 6. R&D in agroindustry and nutrition;
 7. renewable energies, efficiency and sustainable construction;
 8. and ICT and digital economy.

<http://ris3andalucia.es/>.

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GENERAL
OBJECTIVES



22
SPECIFIC
OBJECTIVES



81
ACTIONS

Andalusian R&D Strategy aiming to generate
a quality and excellent research ecosystem
with international projection able to produce
relevant innovations in the service of making
progress toward a **Knowledge Based
Economy**

- 1) Promotion of Science of Excellence and Quality
- 2) Strengthening and managing talent
- 3) R&D&I orientation towards societal challenges
- 4) Encourage a Knowledge based economy
- 5) Encourage science oriented towards innovation and competitiveness
- 6) Strengthening and consolidating quality and resource efficient R&D infrastructures

INNOVATION PROCUREMENT

Innovation procurement is an important tool at the disposal of policy-makers.

It holds the key to solving important societal challenges that Europe is facing in various sectors, including health care, climate change, energy efficiency, transport, security, environmental protection, water and waste management, construction or effective justice systems.

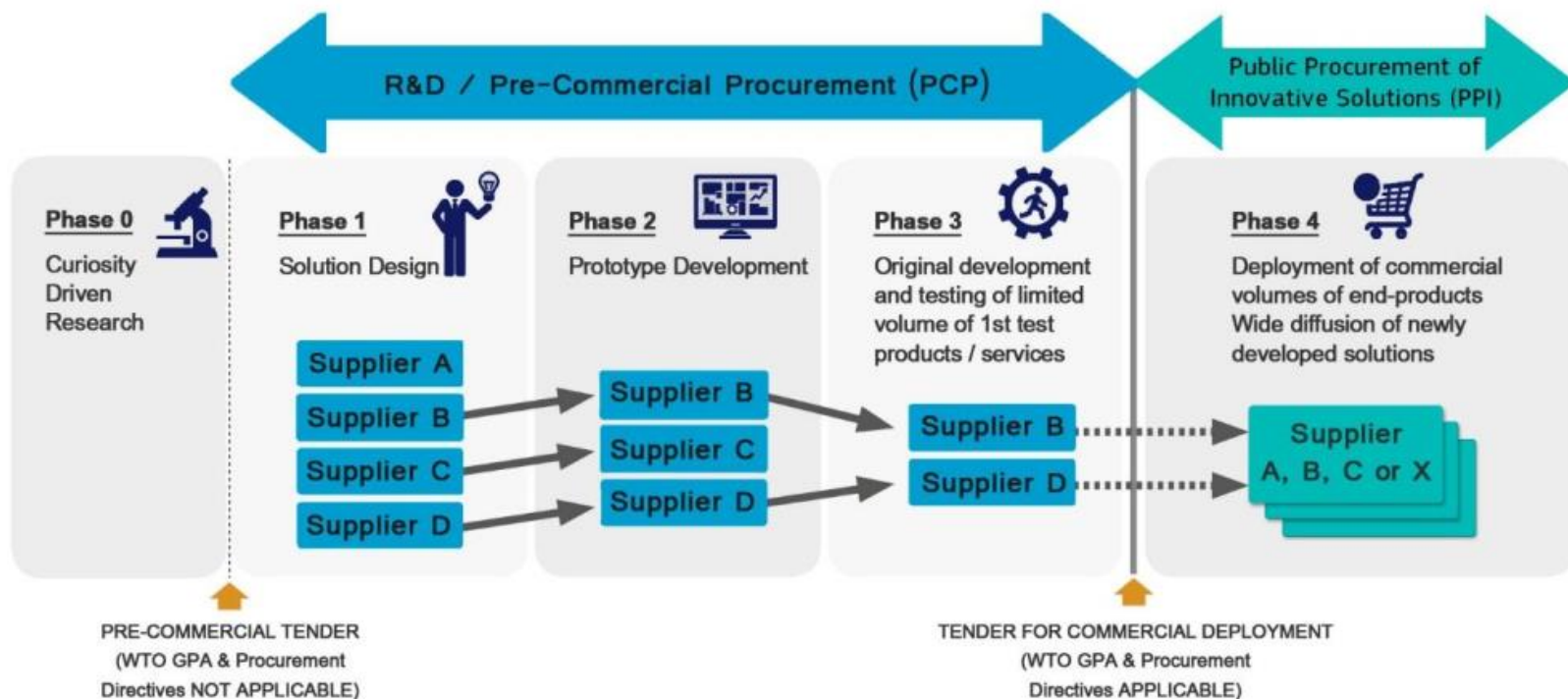
- Pre commercial procurement (PCP) “is the procurement of Research and Development of new innovative solutions before they are commercially available.”
- “Public Procurement of Innovative solutions (PPI) is procurement where contracting authorities act as a launch customer for innovative goods or services which are not yet available on a largescale commercial basis, and may include conformance testing.

Sources:

Guidebook: “Public Procurement as a driver of innovation in SMEs”

The EAFIP Toolkit

INNOVATION PROCUREMENT: Overview



Source: The EAFIP Toolkit

Why is public procurement of innovation (PPI) important?

Public procurement of innovation will:

- help foster market uptake of innovative products and services
- increase the quality of public services in markets where the public sector is a significant purchaser
- support access to markets for businesses, especially small and medium-sized enterprises (SMEs)
- help address major societal challenges.

The wider use of PPI means that:

- public authorities will act as first/launch customers and promote the use of innovation-friendly procurement practices
- the Commission supports the development of groups of procurers, provides guidance (1 MB), and sets up a support platform to help contracting authorities implement innovation procurement
- EU countries are encouraged to take measures to stimulate innovation through public procurement practices.

Benefits of Innovation Procurement

For suppliers

- Access to valuable public sector clients
- The opportunity to apply research and commercialize ideas
- Understanding of public sector challenges and priorities
- Exposure to pre-procurement and procurement procedures
- Development of expertise and practical skill
- Opportunities to access local, national or EU funds linked to innovation
- Positive publicity and reputational gain
- Increased chance of winning future contracts
- Commercial benefits from licensing or joint ventures

For Society

- Better public services and infrastructure
- Creation of skilled jobs and investment
- Tackling environmental and social challenges
- Smarter use of taxpayer money
- Support for small and medium-sized enterprises
- Transfer of ideas to other sectors and industries
- Enhanced international competitiveness
- Opportunity to develop new industries
- Improvements in quality of life

Innovation Procurement in Andalusia



- Available ERD funds (2014 -2020)
 - Indirect administration (Nat. Gov): around 100 M€
 - Direct administration (Reg. Gov): 50M€
- Implemented Actions
 - 2016 – Launch of the Innovation Procurement Unit
 - Regional Analysis (2016 – nowadays):
 - Needs analysis: 168 needs / 13 regional ministries
 - 20 prioritized needs
 - 5 Projects
- We are currently working in the elaboration of an Andalusian Strategy on Innovation Procurement
 - The process will include a public consultation to ensure the participation of the citizenship



Enterprise Europe Network



Enterprise Europe Network:

« A broad range of services for growth-oriented SMEs »



INTERNATIONAL PARTNERSHIPS

Partnership database

Brokerage events

Company missions

ADVISORY SUPPORT

Advice on EU laws and standards

Market intelligence

IPR expertise

INNOVATION SUPPORT

Access to finance and funding

Innovation Management Services

Technology transfer



Thank you!

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