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# REGIONAL ACTION PLAN IN ANDALUSIA

**Joaquin Villar**

Head of Internasionalisation Department

[joaquin.villar@juntadeandalucia.es](mailto:joaquin.villar@juntadeandalucia.es)

# Policy instrument addressed

## ENERGY STRATEGY FOR ANDALUSIA 2030

### Mission

To promote the transition towards a decarbonised energy model that meets the energy needs of the Andalusian society in a safe and affordable manner, promoting the use of renewable energies and increasing energy savings and efficiency.



Objective	Valor
Reduce CO2 emissions associated to energy consumption with respect to 2005	50%
Contribute with renewable energy to gross final energy consumption	42%
Increase renewable generation in the electric mix	75%
Reduce trend consumption of primary energy	39.5%
Reduce oil consumption in transportation with respect to 2019	30%
Improve energy supply for citizens and companies and increase energy infrastructures	22%
Carry out actions in the building stock of the Andalusian Regional Government	30%
Increase direct employment associated to energy transition	15%

# ACTION 1: INCLUSION OF UNIVERSITIES IN THE PPP SELF-CONSUMPTION ROUND TABLE.

- The Andalusian Regional Government has set up the **Round Table for Self-consumption** that is a measure under the Andalusian Energy Strategy 2030 in Andalusia in order to establish **actions that promote the development of self-consumption in our region.**
- This action aims to implement a **new Specific Working Group to promote photovoltaic and renewable installations aiming to NZEB in public buildings, with the participation of the Andalusian Universities .**
- The main objectives are:
  - Improve the self-consumption development framework in public buildings;
  - Disseminate among potential users the reality of the viability of self-consumption facilities;
  - Facilitate the change from consumer to electricity prosumer (from passive electricity consumer to consumer-producer);

# ACTION 1: INCLUSION OF UNIVERSITIES IN THE PPP SELF-CONSUMPTION ROUND TABLE.

## Inspirations

- The public-private partnership and the **Green-reality Network-public private partnership for low-carbon at the South Karelia region**. This project has been successful in promoting the green business visibility within the region, nationally and internationally; **has served as a platform for launching large, multi-stakeholder projects**; has given the industry a **platform to a continuous dialogue with academia and public service around "green transition" themes**
- **The Aton project** of the University of Udine from Friuli Venezia Giulia. This complex project is also **an example of the importance of properly choosing the right legal instruments, such as a Public Private Partnership for the development of innovative energy transition projects**, in a quadruple helix perspective and with the involvement of all local stakeholders.

# ACTION 1: INCLUSION OF UNIVERSITIES IN THE PPP SELF-CONSUMPTION ROUND TABLE.

## Main players

- The **Andalusian Energy Agency**
- **REDEJA network**, a network of 4,500 buildings and their energy managers, including the energy managers of university campus.
- **Institute of Domotic and Energy Efficiency.**
- **The 10 public universities in Andalusia.** Member of the Stakeholder Group, providing information on real implementation and possible burdens to renewable self-consumption deployment. Some universities, as **University of Jaén, University of Seville and the University, Pablo de Olavide in Seville** have already been invited to the **First Meeting of the Self-Consumption Group** held last 15th of December 2022.

## ACTION 2: THE INTRODUCTION OF SMART READINESS INDICATORS SRI AND SELF ASSESSMENT TOOLS TO PROMOTE INNOVATION UNDER PI .

The aim is to improve the Andalusian Energy Strategy to specifically **include measures for the promotion of innovative solutions along the value chain associated to energy saving (including energy efficiency and renewable energy) and the development of smart grids.**

The main objectives are:

- Promotion of **innovative pilot projects**
- Dissemination among **energy managers** of university campuses the viability of innovative project solutions.
- **Evaluation and Monitoring**

The application of innovative projects includes the following energy fields:

- smart grids
- Mobility
- energy management
- renewable energy sources
- energy efficiency

# ACTION 2: THE INTRODUCTION OF SMART READINESS INDICATORS SRI AND SELF ASSESSMENT TOOLS TO PROMOTE INNOVATION UNDER PI .

## Inspirations

- The **Virtual Power Plant from the City of Lappeenranta**, South Karelia, as an example of possible innovative projects to replicate and promote under the New Andalusian Energy Strategy 2030
- **HVACR integrated Control System with weather compensation and Solar Thermal input from the University of Targoviste, Romania**, an innovative integrated project using solar systems for heating and cooling.
- **A course for Renewable Energy Equipment and Systems for Technicians** from Slaskie Polska, Poland and **the creation of a modern research centre stimulating research and development in the field of energy** from University of Science and Technology, Maloposkie

## ACTION 2: THE INTRODUCTION OF SMART READINESS INDICATORS SRI AND SELF ASSESSMENT TOOLS TO PROMOTE INNOVATION UNDER PI .

- It is proposed that the Regional Stakeholder Group could become a **Permanent Group of Experts (Advisory Group)**. This S3UNICA group of experts has been included in the action line 11 to support under the Andalusian Energy Strategy 2030.
- Other actions:
  - ✓ Applying the **Self-assessment tool** developed under the S3UNICA project
  - ✓ Promotion of **Awards** in the field of innovation
  - ✓ Promotion of energy communities on university campuses and other dissemination tools.

As a reference we are including the following pilot projects:

- Parcemasa project by Institute of Domotic
- A system for monitoring the electricity generated and consumed by 500 secondary schools with photovoltaic panels of 15 KW

# ACTION 2: THE INTRODUCTION OF SMART READINESS INDICATORS SRI AND SELF ASSESSMENT TOOLS TO PROMOTE INNOVATION UNDER PI .

## Main players

- Andalusian Energy Agency in charge of proposing contents
- Institute of Domotic and Energy Efficiency in charge of testing SRI.
- Andalusian Education Agency responsible of the structure financing.
- Universities providing information on amelioration of management of incentives, barriers and proposing innovative projects.
- Technological Corporation of Andalusia, Andalusian Agency for Innovation and Development providing information on technology on public-private financing.
- Andalusian Knowledge Agency, providing updated information on financing.
- National Institute of Aerospace Technology INTA El Arenosillo in charge of providing information on innovative projects, including microgrid
- Andalusian Association of Consumers and Users giving the point of view of final users.



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Thank you!

Questions welcome



Project media