

UNITA INTERNSHIPS (WP4)

UNIVERSITY: Universidad de Zaragoza

1. GENERAL INFORMATION

- **Entity or company:** Instituto Universitario de Investigación Mixto CIRCE-EINA
- Legal representative: --
- Contact person for the internship: Asunción Paricio
- **E-mail:** aspari@unizar.es
- Edificio CIRCE- Campus Río Ebro. Mariano Esquillor 15. 50018 Zaragoza

2. INTERNSHIP TRAINING PROJECT

- Degree requested: Degree in Electrical Engineering; Degree in Industrial Technologies Engineering; Degree in Electronic and Automatic Engineering
- Transversal competencies: Ability to work in a team; Ethical commitment to work; Ability to apply knowledge in practice; Capacity for analysis and synthesis; Ability to analyse and search for information from different sources.
- Specific competencies:
 - Use and develop methodologies, methods, techniques, specific use programmes, computer norms and standards.
 - Assess the importance and implications of energy use in the development of society.
 - Assess the environmental impact associated with a RES-E installation or energy efficiency action.
 - Describe the technologies related to sustainable mobility.
 - Describe the smart grids associated with energy management and distribution.
 - Design energy storage systems.
 - Calculate electricity generation, transport and distribution systems, as well as the integration of renewable energies..
- Main activities during the internship:
 - Research on sustainable energy in rural network
 - Analysis of the integration of renewable energies in rural network
 - Research on available flexibility measures in distribution systems
 - Analysis of flexibility needs in rural network
- Sustainable Development Goals (SDGs): 07 Affordable and clean energy. 09 Industry, innovation and infrastructure. 13 Climate action

3. CONDITIONS AND PROFILE OF THE INTERNSHIP

- Number of places offered: 1
- Place of realization of the internship : Edificio CIRCE- Campus Río Ebro
- Full address : Mariano Esquillor 15. 50018 Zaragoza
- Scheduled start date: May 8, 2023
- Scheduled end date: June 4, 2023
- Scheduled time: 9h – 14h
- Total hours: 100
- Academic tutor and University: María Paz Comech Moreno. Unizar
- Contact person at the entity/company: María Paz Comech Moreno

- Other requirements (Languages, others...)

4.- OBSERVATIONS

UNITA will provide accommodation for one month and travel from their home university.