

<u>ELISE</u>

European

Location

Interoperability

Solutions for

E-Government

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INSPIRE to support Regional Energy Strategies



Gema Hernández Moral, Estefanía Vallejo, Noelia Ferreras, Iván Ramos, César Valmaseda (Fundación CARTIF) Alfredo Cadórniga, Roberto Getino (Ente Regional de la Energía de Castilla y León) Giacomo Martirano, Francesco Pignatelli (Joint Research Centre)

ELISE Energy & Location Applications



About CARTIF

RESEARCH CENTRE – technical knowledge FOUNDATION – private non-profit

"Our mission is to generate technological knowledge and innovative solutions to companies to improve their competitiveness."



CARTIF IN FIGURES...

171 researchers (41 PhD) – 51 % men y 49 % women (average age 40 years)

9,48 M€ income 2018 – 67 % competitive public funds and 33% private contracts

80 proposals in public calls per year (20 national, 60 international – H2020, LIFE, INTERREG). More than 15 proposals coordinated by CARTIF every year.

More than 100 ongoing projects

More than 125 clients (and more than 300 collaborators)

CARTIF Technology Centre Boecillo Technology Park, 205 47151 Boecillo, Valladolid SPAIN http://www.cartif.com



Regional energy strategy within the ELISE Energy Pilot





Participating organisations





Who is participating in this analysis and why?



DE CASTILLA Y LEÓN

Castilla y León Regional Energy Agency

Location: León, SPAIN https://energia.jcyl.es/web/es/energia -mineria-castilla-leon.html

- Development of regional energy strategies in Castilla y León region (Spain)
- Currently developing regional energy strategy for 2021-2030
- Would like to test viability to include geo-location data within data flows to enhance the establishment of objectives and monitoring

[TECNOLOGICO] CARTIF

Centro Tecnológico CARTIF

Location: Valladolid, SPAIN https://www.cartif.es/

- Research and bring innovation to stakeholders
- Experience in energy assessment at different scales
- Geospatial data treatment experience
- Support tools development experience for planning purposes



EUROPEAN COMMISSION

Joint Research Centre (Ispra)

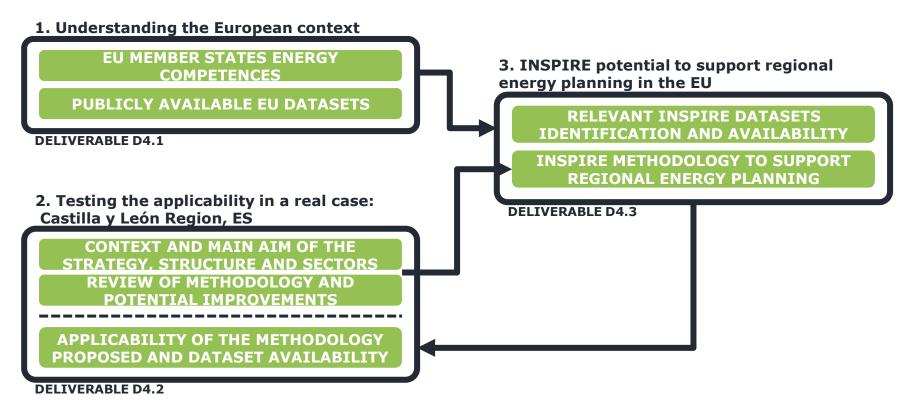
Location: Ispra, ITALY

https://ec.europa.eu/jrc/en/about/jrc-site/ispra

- Energy and Location Pilot coordinator
- Energy policy implementation support and testing
- INSPIRE Directive Policy support and validation



Main objectives of Regional Energy Strategy supported by geo-data:





1. Understanding the EU context

- What type of data is available?
- How can it be integrated within a regional energy strategy?
- Analysed data sources, among other:





2. Testing the applicability in a real case: Castilla y León Region, ES



Characterisation of the region is key for the development of the Regional Energy Strategy; some key figures:

- Surface: 94.226 km2 Biggest in Spain
- **Population**: 2.418.694 (5,39%)
- Density: 25,67 inhab/km2

Regional Energy Strategy divided into sectors:

- Industry
- Built environment
- Transport
- Public Services
- Administration
- Research and financing

Covering different stages:

- Baseline establishment
- Objectives setting
- Monitoring of the strategy implementation

Main difficulties detected so far:

- Data availability
- Update frequency



3. INSPIRE potential to support regional energy planning in the EU

- To analyse how INSPIRE data can support the implementation of a Regional Energy Strategy
- To check what data is currently available to support the implementation of the CyL EEE
- How can this data, as well as other EU open data, be integrated within Regional Energy strategies >> Are there data gaps? Missing information? General difficulties?





Conclusions

- The contextualisation and analysis of data flows as well as frequency update of the data is key in the decision-making process
- Great variety of datasets are required, belonging to the different sectors covered by the Regional Energy Strategy and at different scales
- Integration of geo-located data in process, challenges and main results to be obtained at the end of 2020.





Questions?



ISA² programme *You click, we link.*

Stay in touch

- **Gema Hernández Moral (<u>gemher@cartif.es</u>),** Estefanía Vallejo, Noelia Ferreras, Iván Ramos, César Valmaseda (Fundación CARTIF)
- Alfredo Cadórniga, Roberto Getino (Ente Regional de la Energía de Castilla y León)
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isa@ec.europa.eu EU-LOCATION@ec.europa.eu

Run by the ISA Unit at DIGIT (European Commission) with 131€M budget, the <u>ISA² programme</u> provides public administrations, businesses and citizens with specifications and standards, software and services to reduce administrative burdens.