



## ELISE

**European**

**Location**

**Interoperability**

**Solutions for**

**E-Government**

**Energy & Location webinar**

**INSPIRE 2020 Online Conference**

05.06.2020

INSPIRE to support Regional Energy Strategies



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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)**



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# Regional energy strategy within the ELISE Energy Pilot

## Energy and Location Pilot

USE CASE  
"EP Labels"

USE CASE  
"Public Lighting"

USE CASE  
"Scale-up  
methodologies"

USE CASE  
"Regional energy  
strategy"

USE CASE  
"EPC-ES"

## Participating organisations



Within regional Use Case

[CENTRO TECNOLÓGICO] **CARTIF**



Cadastre, Land Registry and Mapping Agency  
The Netherlands



# Who is participating in this analysis and why?



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## 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



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## 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



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## 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 European context

EU MEMBER STATES ENERGY  
COMPETENCES

PUBLICLY AVAILABLE EU DATASETS

DELIVERABLE D4.1

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

CONTEXT AND MAIN AIM OF THE  
STRATEGY, STRUCTURE AND SECTORS  
REVIEW OF METHODOLOGY AND  
POTENTIAL IMPROVEMENTS

APPLICABILITY OF THE METHODOLOGY  
PROPOSED AND DATASET AVAILABILITY

DELIVERABLE D4.2

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

RELEVANT INSPIRE DATASETS  
IDENTIFICATION AND AVAILABILITY

INSPIRE METHODOLOGY TO SUPPORT  
REGIONAL ENERGY PLANNING

DELIVERABLE D4.3

# 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:



Urban data  
platform

Stratboard

## 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 km<sup>2</sup> - Biggest in Spain
- **Population:** 2.418.694 (5,39%)
- **Density:** 25,67 inhab/km<sup>2</sup>

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### 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.



European  
Commission



**Questions?**

# ISA<sup>2</sup> programme

*You click, we link.*

## Stay in touch

[ec.europa.eu/isa2](http://ec.europa.eu/isa2)

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Run by the ISA Unit at DIGIT (European Commission) with 131€M budget, the [ISA<sup>2</sup> programme](#) provides public administrations, businesses and citizens with specifications and standards, software and services to reduce administrative burdens.