

## TIP 6. ENERGYHUB CAT



### Main objective

ENERGY HUB CAT aims to be an one-stop-shop of transformative innovation services for a fair energy transition that generates local competitiveness. Its main objective is promote the energy transition as a vector of territorial competitiveness and generation of shared economic, social and environmental value.

### Expected results

Lines of action:

- Contribute to creating the ideal environmental conditions for the attraction of economic activity related to the energy transition (EHCat Businesses Services)
- Promote specific services to promote the arrival on the market of new technologies and business models in the energy field (EHCat Open Testbed).
- Increase decentralized and distributed renewable generation capacity (EHCat Place-Based Resources Push).
- Encourage knowledge and public and private demand for products and services linked to the energy transition (EHCat Market Pull).
- Contribute to the definition, implementation and validation of policies and public instruments to support the energy transition (EHCat Policies)

### Justification

The one-stop-shop concept applied to the energy transition aims to replicate the BIOHUB CAT model, insofar as it responds to different barriers and obstacles identified in the unfolding of this transition and which have been collected in the various fields of innovation carried out through the agenda. It wants to serve to highlight all the interventions carried out in this area through the agenda or by other actors, and to promote those new interventions that are necessary, without generating duplication and promoting synergies with the multiple initiatives, with the corresponding associated economic resources, that in recent years they have been pushed without much real impact on the transition.

### Contribution towards

#### 2035 Goals - AC LLEIDA TERRA D'OPORTUNITATS

Optimization of the potential for wind, photovoltaic and hydraulic generation in small-scale & distributed model.

Existence of energy self-sufficient at territorial level.

Marketing of part of the territorial energy surplus according to shared value criteria.

Existence of energy self-sufficient industrial environments, capable of attracting industrial investments. intensive in energy consumption.

#### SDG

Directly

Indirectly



#### Shared vision 2050 - AC LLEIDA TERRA D'OPORTUNITATS

Economic Development: ENERGY HUB CAT will attract green industries (secondary sector), promote new auxiliary services (tertiary sector) and will contribute to diversifying the incomes of the primary sector (pirmari sector).

Sustainability: By promoting circular and biobased production method to supply multiples economic sectors and contribute to their decarbonization Education and Workforce Development: by creating qualified jobs in the industrials and services sectors, making the primary sector more for youth.

Transformative Innovation Ecosystem: BIP will foster collaboration between businesses, academia, and technology providers, creating an ecosystem that encourages continuous innovation, supports startups, and speeds up the commercialization of new products and services.

Improved Quality of Life: directly, BIP contributions to economic growth, job creation, and sustainability will have a positive impact on society by improving living standards and reducing inequality.

#### NICHES

SMART GRIDS AND ENERGY TRADING PLATFORMS

SMALL-SCALE & DISTRIBUTED GROUND-BASED PHOTOVOLTAIC GENERATION FOR SUSTAINABLE ENERGY (<10MW)

## ENERGYHUB CAT

**TIP:** ENERGYHUB CAT, a one-stop shop for services and investments to accelerate a just energy transition and generate territorial competitiveness.

**Approximate investment:** 30M €

**Expected economic impact:** 58,8M €

#### References:

- Lleida's projected electricity balance in 2050 is 12,000 GWh, based on renewable generation.
- The market for six key clean energy technologies grew nearly fourfold to over USD 700 billion between 2015 and 2023.
- By 2035, this market is expected to triple to over USD 2 trillion, nearing the size of the global oil market.

[lleidaterraoportunitats.com](http://lleidaterraoportunitats.com)