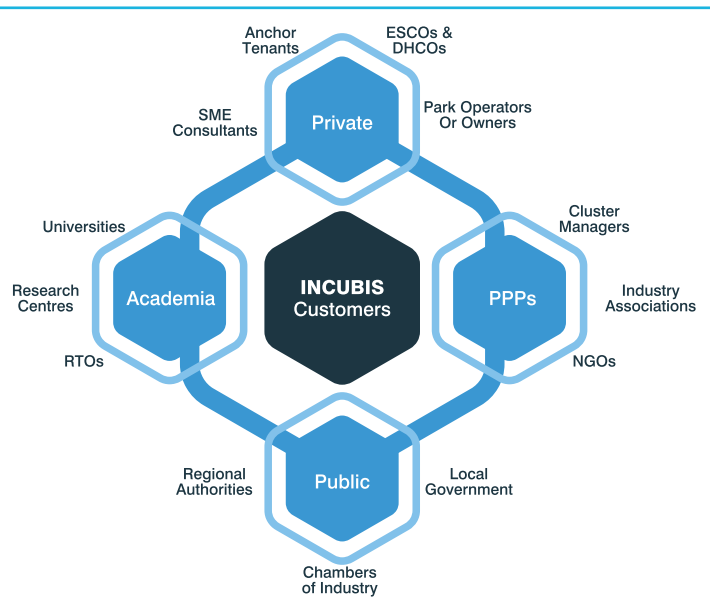


INCUBIS STAKEHOLDERS

The **Energy Symbiosis Incubators** are available to a wide range of **organizations** and **individuals** that can be local agents of change in implementing Energy Symbiosis. **INCUBIS** will establish a **flexible operational framework** allowing the customization of its **tools** and **services** to meet the needs, capacities and particularities of its target audience.



Motivation of the target audience for implementing Symbiosis:

- ✦ Expanding service portfolio and increasing profit (e.g. ESCOs and IPOs)
- ✦ Minimizing vacant land rate (municipalities and IPOs)
- ✦ Improving and extending services down the synergy lifecycle (IS facilitators)
- ✦ Decreasing costs and increasing revenue (Anchor Tenants)
- ✦ Environmental and Social benefits (municipalities) CSR benefits (IPOs, Anchor Tenants, ESCOs).



INCUBIS
ENERGY SYMBIOSIS INCUBATOR

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Project's start: **May 2020**
Project's end: **April 2023**

Project's number: **894800**
Project's cost: **2.05 million €**

PROJECT PARTNERS



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INCUBIS
ENERGY SYMBIOSIS INCUBATOR

Incubator for supporting industrial waste heat & cold valorisation through energy symbiosis



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. **894800**



ENERGY SYMBIOSIS








In contrast to traditional energy efficiency improvements, focused on a single process or industrial site, Energy Symbiosis refers to the exploitation of energy efficiency opportunities that are found across different industrial sites and sectors.

As such **Energy Symbiosis** can be implemented within industrial zones (e.g. industrial parks and districts) or even across industrial and urban agglomerations.

Energy Symbiosis typically involves the use of the excess heat/cold produced by one or more industries, to provide heating, cooling or electricity for other industries or buildings. The concept can also be extended to the production of sustainable energy by using waste materials (e.g. biomass) as fuel for the production of energy (e.g. heat).



Implementation of the **Energy Symbiosis** brings **economic, environmental and social benefits**:

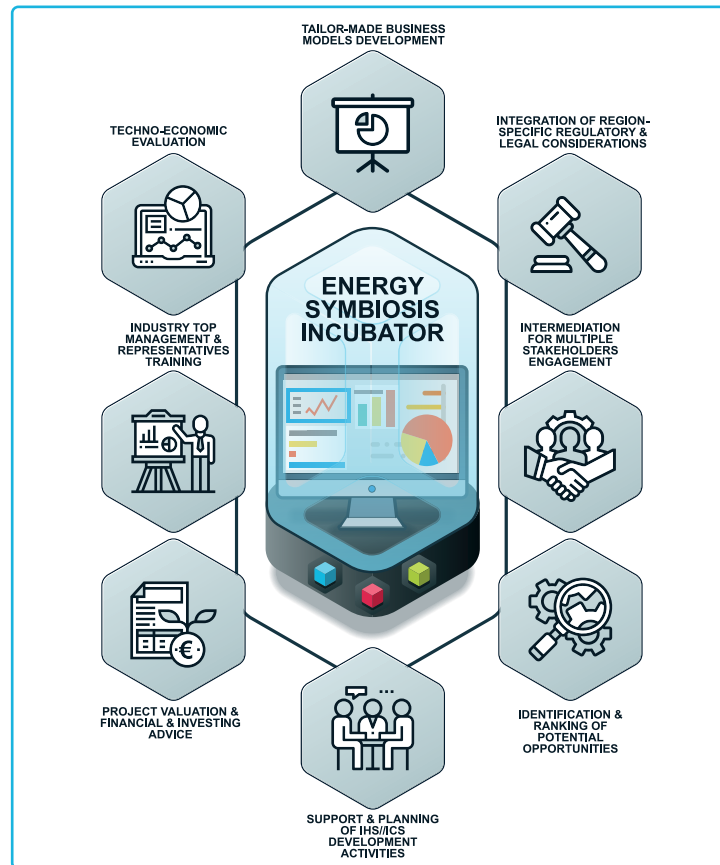
-  **For the energy user:** reduction of energy costs as energy from Energy Symbiosis is typically cheaper;
-  **For the energy provider:** new revenue generation through trading resources that were previously wasted;
-  **For the environment:** CO2 reduction and overall environmental performance's improvement;
-  **For the local economy:** creation of new jobs and local investments via generating new industrial activity;
-  **For the wider region:** decreasing reliance on non-renewable and/or imported resources whose price is increasingly volatile and supply uncertain.

CONCEPT

INCUBIS Energy Symbiosis Incubator follows the paradigm of modern incubators focusing on the provision of **Knowledge-Intensive Business Services** and **access to funding**.

As such, it will deliver a range of **tools, methods and services** (both physical and digital) to interested stakeholders in order to:

-  Support them in the identification and delivery of energy synergies.
-  Train them and build capacity at all levels to achieve sustainable growth of energy symbiosis uptake.



ENERGY SYMBIOSIS INCUBATORS

INCUBIS will establish local incubators in five European regions, each of which represents a different mix of needs and framework conditions. The local incubators will support local stakeholders to develop Energy Symbiosis projects that are stuck at various stages of the project lifecycle, facing different non-technical challenges. The regions chosen for the Incubators are the Agder region in Norway, the Humber region in the UK, the ChemCoast region in Germany, the Haute de France and Catalonia in Spain.

