



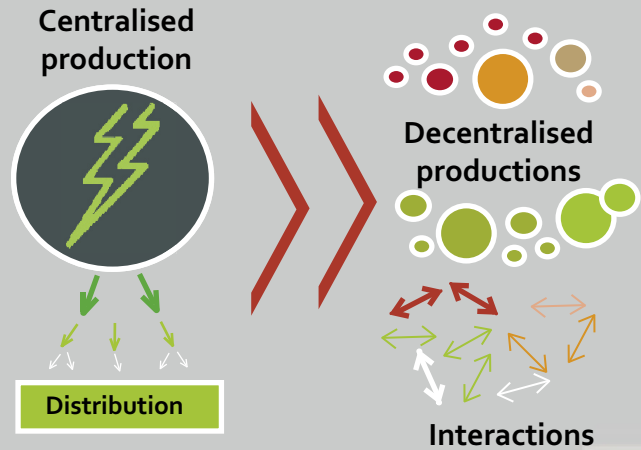
MICRO GENERATION

WHAT IS IT ?

Micro-production of energy from renewables is often carried out at **building** scale.

These devices are increasingly popular with the general public because they allow **autonomy**, **limit greenhouse gas emissions** and they are becoming more and more **profitable**.

This push to rethink the democratization of energy networks towards being more **decentralized** is one of the conditions of the necessary **energy transition**.

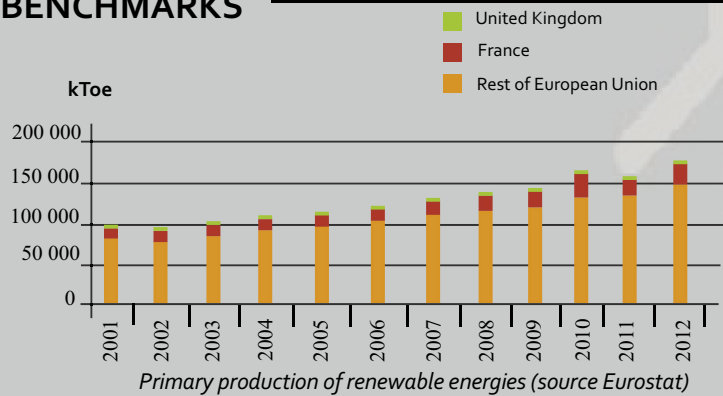


BENCHMARKS

The uptake of renewable energy is happening **all around the world**.

Renewable energy sources are wind, solar, biogas, hydro, geothermal and biomass.

Wood heating and **photovoltaic electricity** are the technologies most prevalent in buildings.



HOW TO DO IT ?

The project bearers are often faced with **multiple offers** to meet their energy needs.

Decisions should be based around the needs of the user, the definition of selection criteria, the comparison of technical proposals and achieving the best outcomes.

Les 7 Vents and CSBT are part of a **network of advisors** which can facilitate these steps.



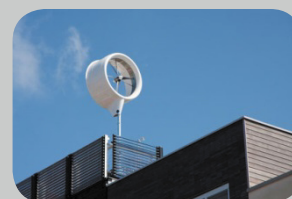
CONNECTION WITH SHADOW ?

SHADOW aims to design ecological demonstration buildings. Each system of energy production will be **presented** on the sites (display of quantities of the energy generated, educational panels, tours etc.).

As much as possible, the objective for SHADOW is to **produce more energy than consumption** at the scale of a building. This showcasing will enhance the benefits of energy micro-production.



Solar hot water



Wind power



Photovoltaic shade structure for electric car



Micro cogeneration of heat and electricity

PARTNERS' FEEDBACKS

In recent years The SCIC Les 7 Vents have led **many studies** on energy production: feasibility studies, assessments and evaluations. More than **200 projects involving** renewable energy have benefited from their support.

CSBT's role is to promote the use of renewable energy, natural building materials and energy saving techniques. It specifically studies the combination **of technologies** which can be used to reduce carbon dioxide emissions and produce resource resilience in the face of climate change.

The cooperation of the two structures on this theme will enable them to **improve their skills**.



Project supported by the network of CSBT: SW-EcoHub



FOR FURTHER INFO...

Feel free to send us your questions, comments, interests. Our structures have links with experts, and can give you access to reference documents, advice and training.

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