

BLUE

Blue Energy

What challenge or problem are you addressing? What is the need for the project?

Blue Energy, energy generation from water, is one of the forms of generating renewable energy within the programme known as “Nieuwe Energie Overijssel 2017-2023”. Rivers and streams provide possibilities for generating kinetic energy, and surface waters offer opportunities for the storage and utilisation of heat and cold. We in Overijssel want to further explore and exploit these possibilities. ‘Water’ as a source of energy is also necessary for realising the programme's energy objectives. With the knowledge of energy from water and about the potential in the zones concerned, the demonstration and pilot projects contribute to the further development and roll-out of these techniques, to employment (suppliers, manufacturing industry, advisers) and a reduction in CO2 emissions.

Objective of the project: What your project wants to achieve/change

Based on the Action Plan Blue Energy, further research will take place in participating countries into the opportunities for:

- exploitation of water power (energy from gravity-fed or tidal flows) using water turbines;
- generation of energy from surface waters (heat and cold); and
- using water as a storage medium.

Coupled with these explorations, carry out several demonstration and pilot projects in the participating countries. The purpose of this is to test whether these opportunities can also be monetised and whether this application can be made economically profitable.

Why do you need transnational cooperation?

Transnational cooperation helps to generate greater insight into the opportunities for generating energy from water and accessing the practical knowledge that participants already possess. There are probably various approaches used by participating countries that can be mutually shared and applied. Depending on the partner search (knowledge, approach, example projects), each country may take a specific component.

Types of partners:

The partnership intends that this project facilitates obtaining knowledge, sharing knowledge and carrying out demonstration or pilot projects jointly. We are looking for suppliers of turbines / water technology and partners from the manufacturing industry and regional government.



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