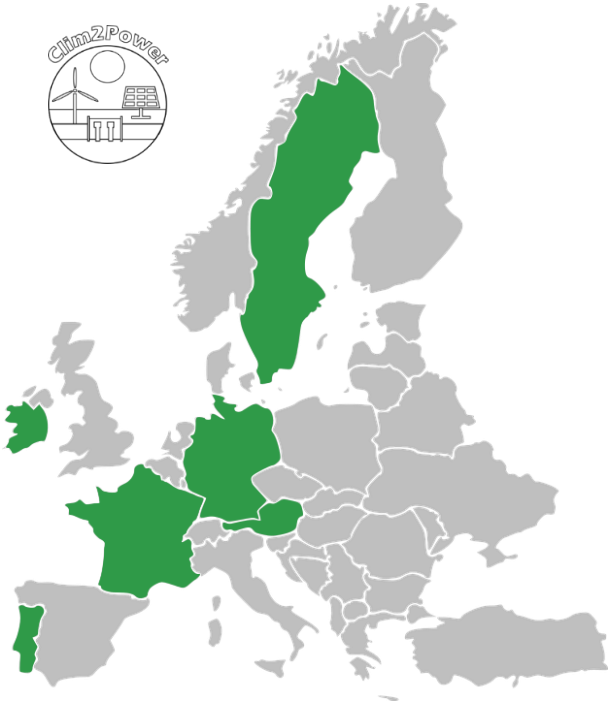

A climate service that integrates seasonal climate forecasts into decision making in the electricity sector.

September 2017 to August 2020

Project CLIM2POWER is part of ERA4CS, an ERA-NET initiated by JPI Climate, and funded by FORMAS (SE), DLR (DE), BMWFW (AT), FCT (PT), EPA (IE), ANR (FR) with co-funding by the European Union (Grant 690462).

Translating Climate Data into Power Plant Operational Guidance

Developing a **cutting edge European seasonal** Climate Service.

Engaging the **Energy, Environment and Climate** communities.

A **web service application** co-developed with end users.

To give feedback or recommendations, to request more information, or for any other queries you can use the information below to contact us.

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www.clim2power.com

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https://www.linkedin.com/groups/13562960

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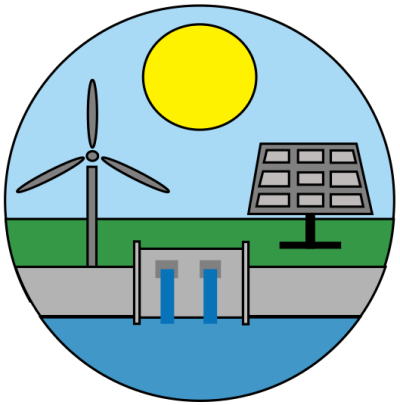

Clim2Power

Translating Climate Data into Power Plant Operational Guidance

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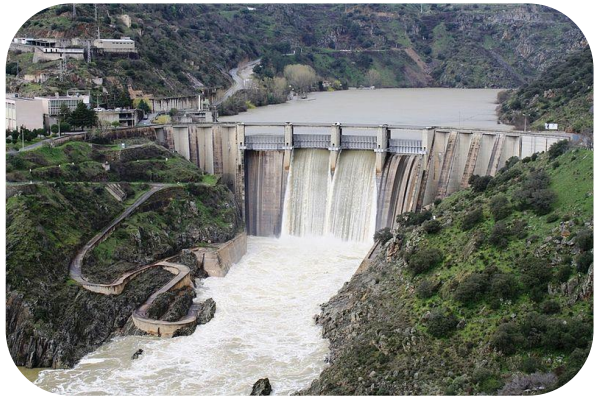


What is Clim2Power?

Clim2Power is a research project that creates a bridge between complex scientific model-based knowledge and targeted, usable information for end users.

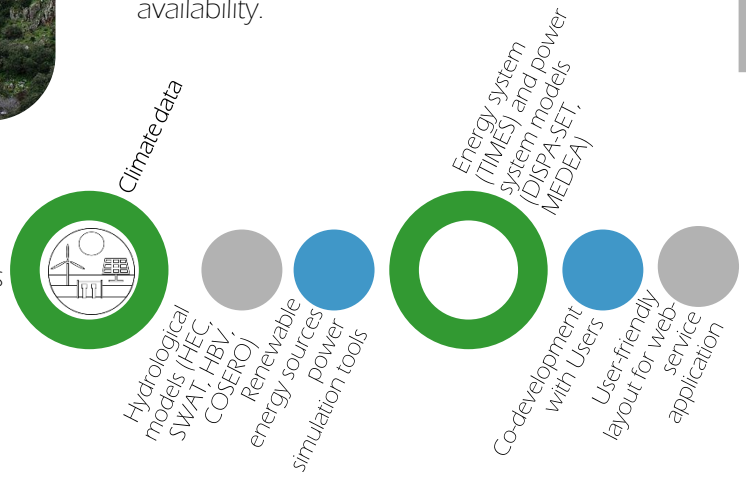
Clim2Power will build a EU wide **web based Climate Service** addressing the impact of climate on hydro, wind, and solar power operation, electricity demand, and the whole power system, addressed at a **seasonal timescale.**

The web-based Climate Service data will support both **private and public** decision making, including market-based water-energy service providers.

How?

The web-service will connect climate data, hydrological models, renewable energy sources, power simulation tools and energy system and electricity models in an interactive user-friendly layout.

This will produce added value data for the next **6 months** on hydro, wind and PV resource availability, power demand changes and shifts of the whole power system to **adapt** to natural resource availability.



To whom?

Power generation and trading companies, power systems operators and regulators, power consumers, and water managers will directly benefit from the outputs of Clim2Power.

A EU wide climate service and 4 regional Case Studies

Portugal	Douro River Basin: wind and solar power resources and whole power system
Sweden	Lule Älve River Basin, wind and solar power resources and the whole power system
Germany/ Austria	The Danube River Basin, wind and solar power resources and the German-Austrian market zone
France	Wind and solar power resources and the whole power system

Why?

Energy production from renewable energy systems fluctuates inter-seasonally. Addressing this challenge requires a targeted **decision-support system** based on the best available seasonal climate forecasts and their respective implications for the power system production.