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EnerMaps, a new way of consulting energy data

In April 2020, EnerMaps was launched with a virtual kick off. The EnerMaps Consortium is composed of seven members from five different countries with experts on:

- **valorisation of energy data:** Centre de recherches énergétiques et municipal – CREM (Switzerland), Accademia Europea di Bolzano – EURAC (Italy), e-think (Austria), Technische Universitaet Wien-TUW (Austria);
- **data management and artificial intelligence:** Institut de recherche Idiap (Switzerland);
- **scientific data management:** OpenAIRE (Greece);
- **the interactions between energy and civil society:** e-think and EURAC;
- **communication and dissemination in the field of sustainability:** REVOLVE (Belgium).

EnerMaps' Open Data Management Tool aims to improve data management and accessibility in the field of energy research fostering the renewable industry.

EnerMaps tool will accelerate and facilitate the energy transition offering a qualitative and user-friendly digital platform to energy professionals.

The project is based on the FAIR principle defining that data must be **F**indable, **A**ccessible, **I**nteroperable and **R**eusable.



The EnerMaps project has received funding from the European Union's Horizon 2020 research and innovation programme under [grant agreement N°884161](#)

EnerMaps project enriches existing energy databases to promote trans-disciplinary research and develops partnerships between researchers and the energy professionals.

This new Horizon 2020 project will run for two years (April 2020 – April 2022) and will be a complete study of energy data management, selecting and quality-checking fifty energy datasets. EnerMaps creates the opportunity to share and enrich existing energy databases and reuse them easily. A training and networking program related to energy data will start in conjunction with the development of EnerMaps tool to empower both lead and end-users (energy actors) to (re)use and develop further energy data.

The results of this project will be the creation of one EnerMaps data management tool divided in two platforms:

- **EnerMaps Gateway:** research by publications and datasets produced.
- **EnerMaps Visualisation Tool:** research by location through an interactive map with all energy resources available.

EnerMaps was created after observing the lack of clarity and simple access to the data energy existing digitally. This issue contributes to slow down research, projects and policy making.

Dr Jakob Rager, Director of the CREM and project coordinator for EnerMaps observed that: *“Everybody tells you before the start of a project, “Yes, we have data. We can build the project on it.” And then generally two things happen: either endless discussions with the legal department to get the data; or when you finally have the data, you realise the metadata is missing in order to understand the quality of the data, and the data is often incomplete. EnerMaps has the potential to overcome these problems. Data will become findable - it will be complete and be documented. Thanks to FAIR you can use it, because you understand where it is from and know you will have no legal problems, and then you can use it again and again”.*

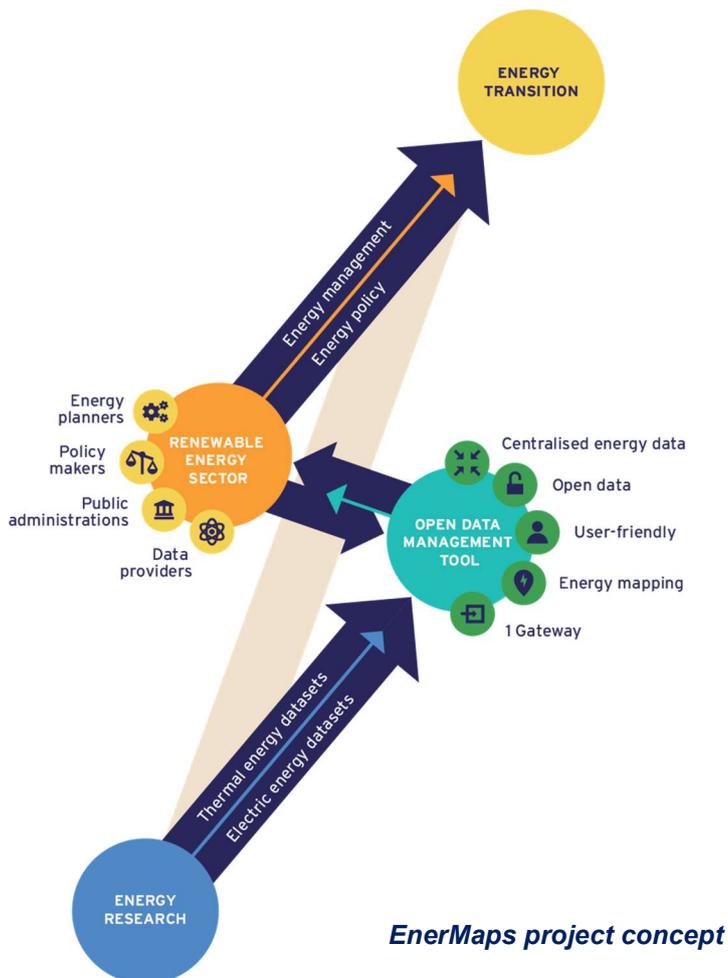
Dr Diane Von Gunten, Co-responsible Research at the CREM and project coordinator for EnerMaps is very enthusiastic about this project: *“Many projects want to centralise data in a common platform and, as a person who lost thousands of hours looking for energy data, I love the idea! But many projects have tried to do this and have failed. So, more than just getting all the data in one place, we need a tool which adapts to the type of data we need. EnerMaps tool is formed of two connected platforms which adapt to our needs: In a first layer, it will use the power of OpenAire algorithms to find nearly all energy data with their related publications. In a second layer, critical energy datasets are selected and visualised. In this way, we get a tool which responds to different data needs, accessing a large number of datasets without drowning the user with too much information.”*



Notes to Editors:

About EnerMaps

EnerMaps project has received total funding of € 999 975 from the European Union’s Horizon 2020 research and innovation programme under grant agreement N°884161. The two-year project will run from 1 April 2020 to 31 March 2022 with the aim to improve data management and accessibility in the field of energy research for the renewable industry, proposing one data management tool :a gateway and an interactive map of the energies. The EnerMaps project is being delivered in partnership with the Centre de recherches énergétiques et municipales – CREM (Switzerland), Accademia Europea di Bolzano – EURAC (Italy), e-think (Austria), Technische Universitaet Wien-TUW (Austria), Institut de recherche Idiap (Switzerland), OpenAIRE (Greece), and REVOLVE (Belgium).



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