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Cervino: Creating an EnerGy data
exchange and Visualization tOol for
the alps

5th October 2023

*First results on CERVINO
the Alpine Energy Data Platform*

digitalalps.eu





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cervino

alpine energy
data platform



Auvergne
Rhône-Alpes
Énergie Environnement



eurac research



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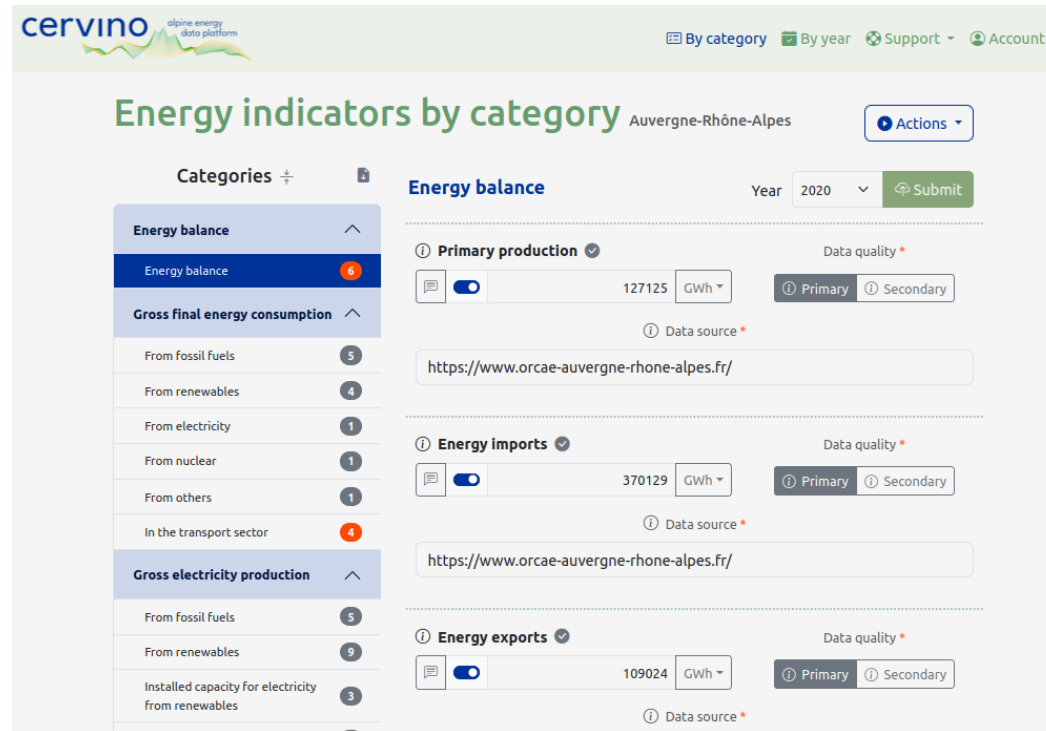


CERVINO facilitates the **exchange** and **visualisation** of **energy data** within the **Alpine territory**. It sets up a stable and reliable system that enables a better collection, management, update and use of **Alpine energy data**.

The data collection survey

INDICATORS OVERVIEW

category	subcategory	core data	additional data		
Energy balance	Energy balance	Primary production			
		Energy imports			
		Energy exports			
		Gross inland energy consumption			
		Final energy consumption			
		Gross final energy consumption			
Gross final energy consumption	From fossil fuels	Gross consumption from fossil fuels - Total	From solid fuels (coal) From oil From gas From non-renewable waste		
		Gross consumption from renewables - Total	For electricity For heating and cooling (H&C) For transport		
		Gross consumption from electricity			
		Gross consumption from nuclear			
		Gross consumption from other sources			
	In the transport sector	Gross consumption for transport - Total	Oil Natural gas Renewables		
	Gross electricity production	From fossil fuels	Electricity from fossil fuels - Total	Coal oil Gas Non-renewable waste	
			From renewables	Electricity from biomass - Total	Biogas Biofuels Bioliquids Solid biomass
				Electricity from hydropower	
Electricity from wind power					
Electricity from solar PV					
Electricity from other renewables					
Installed capacity for electricity from renewables		Hydropower capacity			
		Wind power capacity			
		Solar PV capacity			
From nuclear		Electricity from nuclear energy			
From others	Electricity from other sources				

The screenshot shows the 'Energy indicators by category' interface for Auvergne-Rhône-Alpes. It features a sidebar with a category tree including Energy balance, Gross final energy consumption, and Gross electricity production. The main area displays three data entry forms for the year 2020:

- Primary production:** Value 127125 GWh, with Primary and Secondary data quality options.
- Energy imports:** Value 370129 GWh, with Primary and Secondary data quality options.
- Energy exports:** Value 109024 GWh, with Primary and Secondary data quality options.

Each form includes a 'Data source' field with the URL <https://www.orcae-auvergne-rhone-alpes.fr/> and a 'Submit' button.

A dataset of indicators

A data collection platform

The data visualisation platform

- Welcome on **CERVINO**
the **Alpine Energy Data Platform!**



cervino alpine energy data platform

Territory

Frankfurt am Main

Luxe

×

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alpine energy data platform

Welcome on CERVINO, the Alpine Energy Data Platform, a tool to help manage the transition of territories in EUSALP.

An ambitious project to propose an Alpine Energy Data Platform

News from the project meeting in Genova

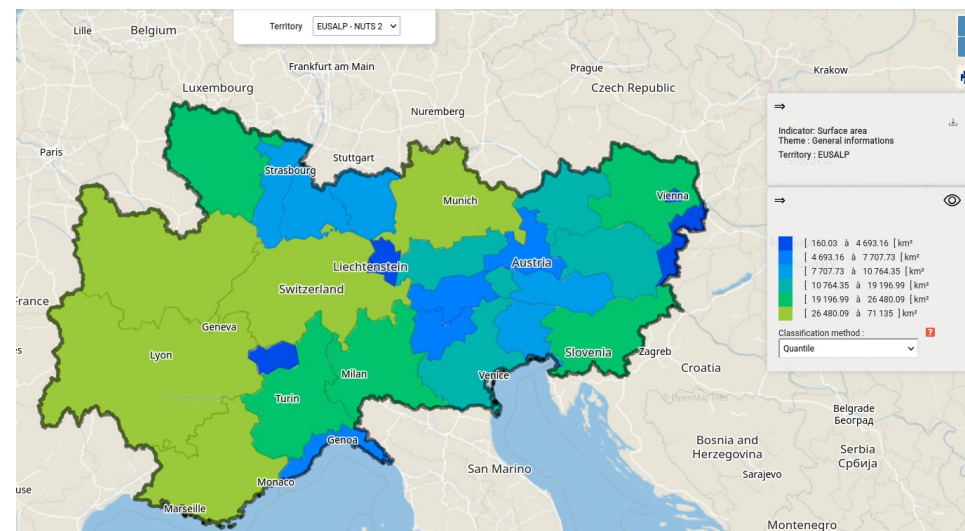
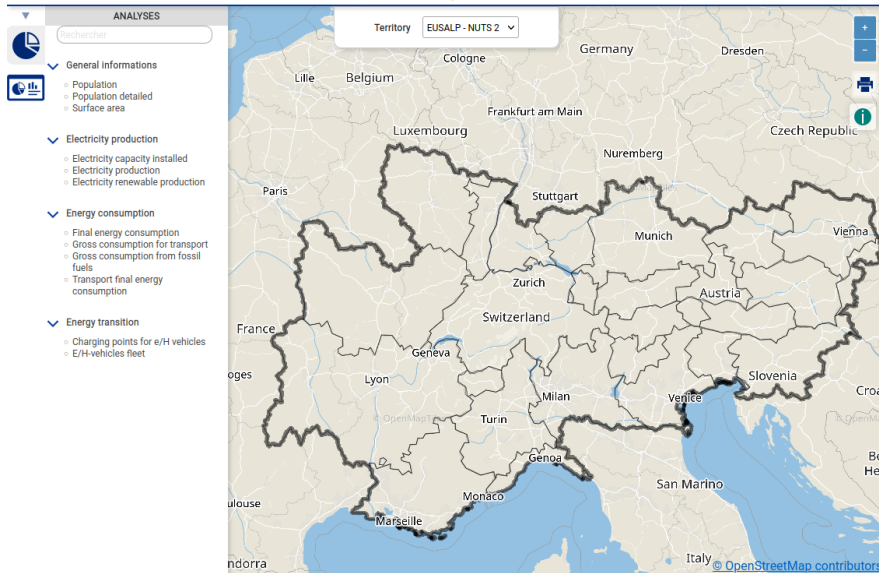
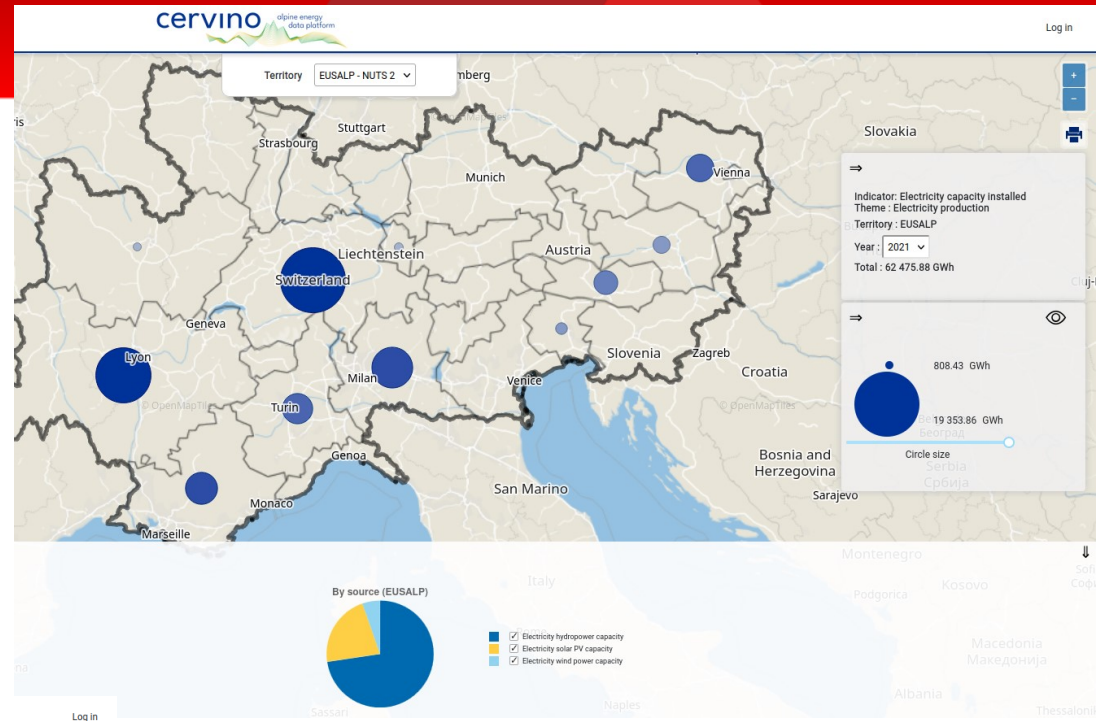
The goal is clear: The Alpine region has to become climate-neutral! But how large is the share of renewable energies in the individual regions already? And how is the energy transition progressing? Making the energy transition in the Alps measurable and providing data for planning and implementing energy projects is the task of the CERVINO project. With the help of the new *Please select an analysis grid from the drop-down list at the top of the page and an indicator in the left menu.*

Let's go!

Features: indicators

A set of indicators built on data collection survey!

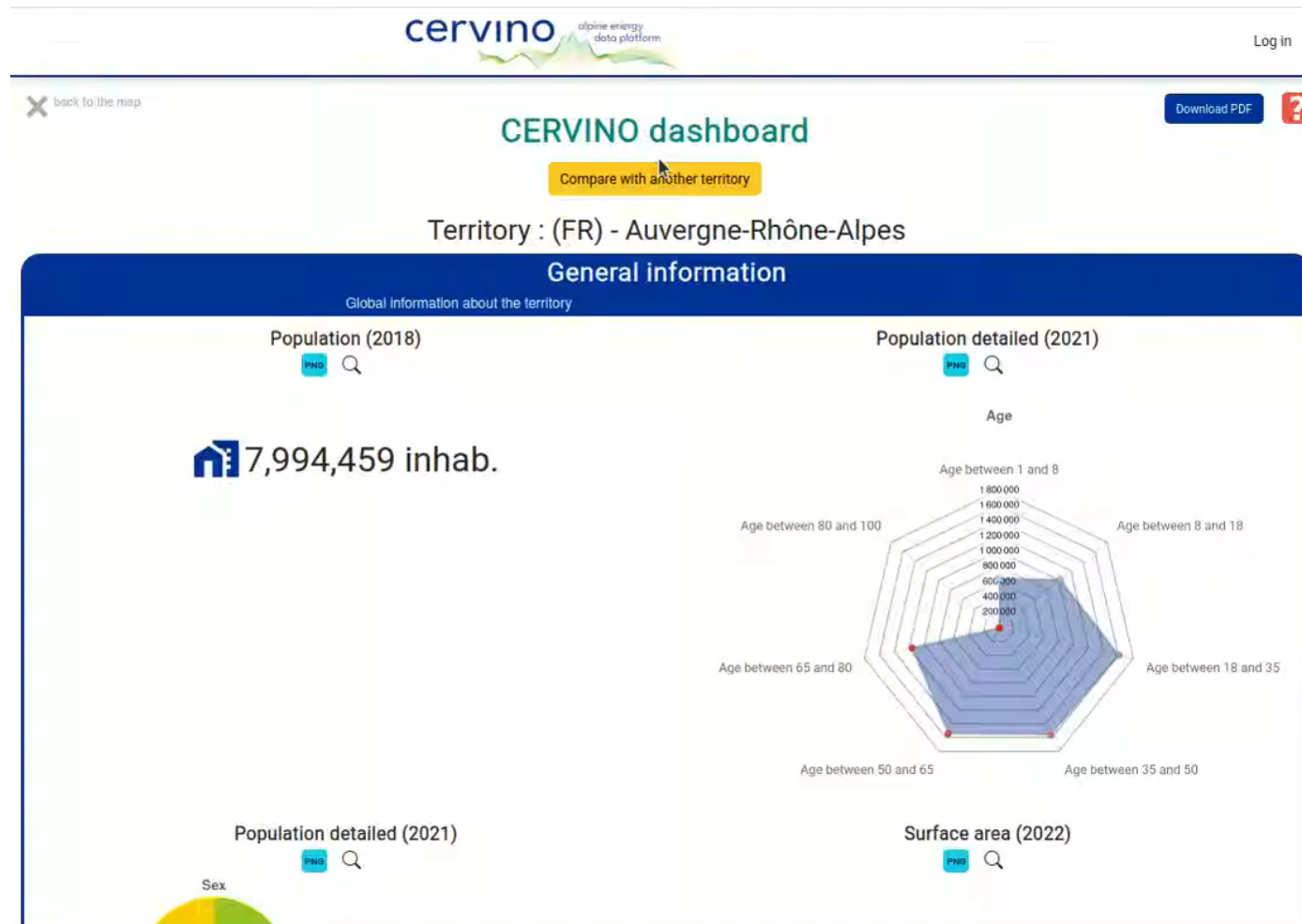
Diverse graphic representation modes!



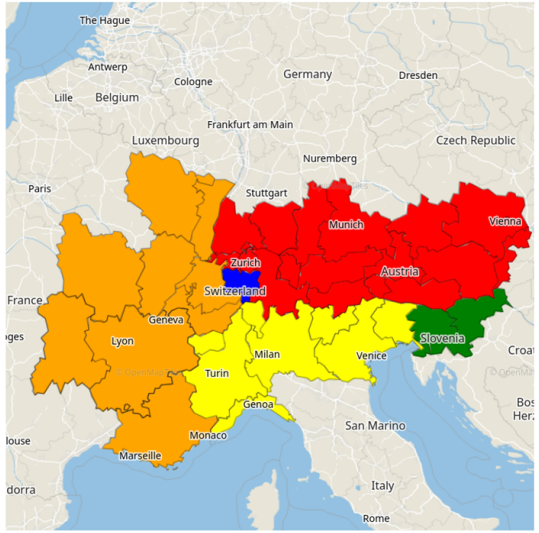
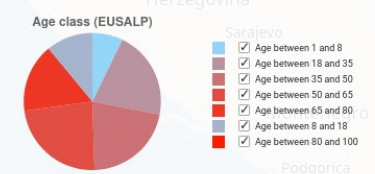
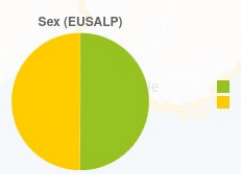
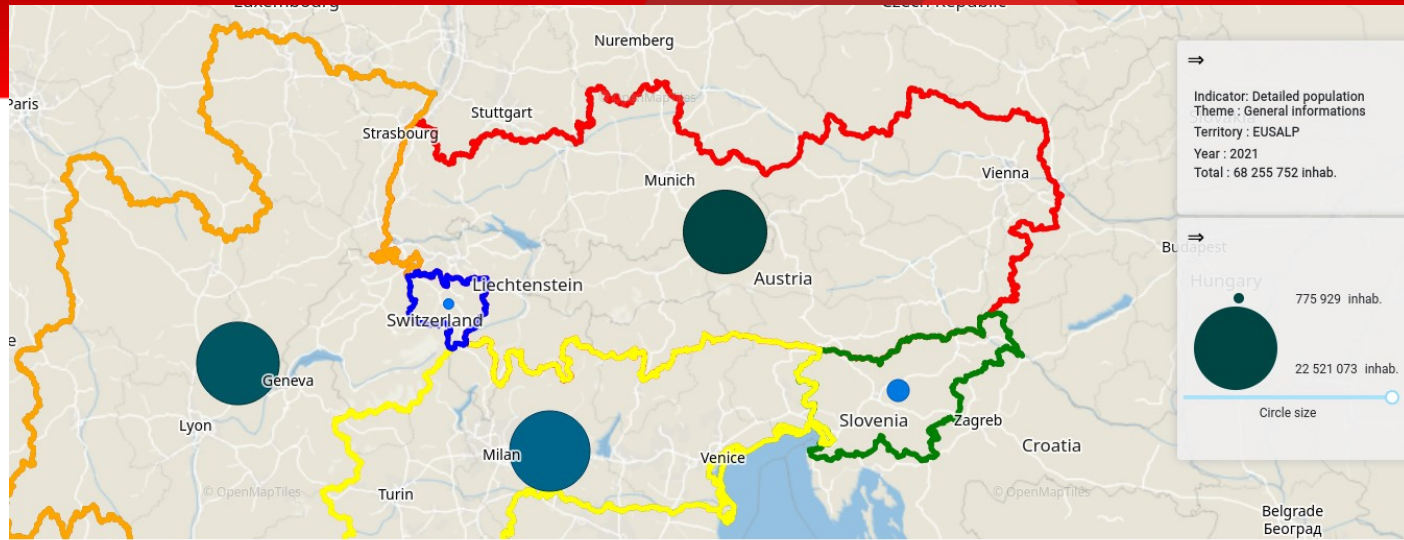
Features: dashboards

Public dashboards
to have a quick
overview on
thematical data

**Comparison with
other territories**



Dynamic aggregation tool to create your own subset of EUSALP regions



Manual selection

Territoire:

Current selection

Language Group	Region	Remove
German speaking (#0)	Level nuts_2 / Scale nuts_2 (AT) - Burgenland (AT11)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Niederösterreich (AT12)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Wien (AT13)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Kärnten (AT21)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Oberösterreich (AT31)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Steiermark (AT22)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Tirol (AT33)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (AT) - Salzburg (AT32)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (CH) - Nordwestschweiz (CH03)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (CH) - Zürich (CH04)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (CH) - Ostschweiz (CH05)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (DE) - Freiburg (DE13)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (DE) - Tübingen (DE14)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (DE) - Oberbayern (DE21)	<input type="button" value="Remove"/>
French speaking (#1)	Level nuts_2 / Scale nuts_2 (CH) - Région lémanique (CH01)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (CH) - Espace Mittelland (CH02)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Bourgogne (FR01)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Franche-Comté (FR02)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Alsace (FR03)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Auvergne (FR04)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Lorraine (FR05)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Provence-Alpes (FR06)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Rhône-Alpes (FR07)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (FR) - Provence-Alpes-Côte d'Azur (FR08)	<input type="button" value="Remove"/>
Italian speaking (#2)	Level nuts_2 / Scale nuts_2 (IT) - Trentino (IT01)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (IT) - Valle d'Aosta/Valle d'Aos (IT02)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (IT) - Piemonte (IT03)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (IT) - Lombardia (IT04)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (IT) - Provincia Autonoma di Trento (IT05)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (IT) - Veneto (IT06)	<input type="button" value="Remove"/>
	Level nuts_2 / Scale nuts_2 (IT) - Friuli-Venezia Giulia (IT07)	<input type="button" value="Remove"/>

Visualize any indicator on your subsets



Thank You!

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