



Interreg
CENTRAL EUROPE
PROSPECT2030

European Union
European Regional
Development Fund


TAKING
COOPERATION
FORWARD

📍 Gemona del Friuli 11/03/2021


💬 PROSPECT2030 IN FRIULI VENEZIA GIULIA REGION

👤 PROSPECT2030 | APE FVG | Matteo Mazzolini

REGIONAL OBJECTIVES

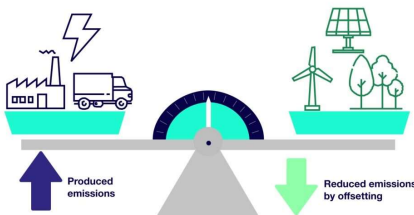


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The region Friuli Venezia Giulia has declared its political willing to reach climate neutrality by 2045.




Produced emissions

Reduced emissions by offsetting

In order to success in such challenge, APE FVG tackled multiple tasks:

- Monitoring of energy consumptions;
- Estimation of RES potential;
- Set up a regional energy system model;
- Identification of local development guidelines;
- Cooperation with the FVG region;
- Integration of climate adaptation measures.

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DATA GATHERING AND MONITORING



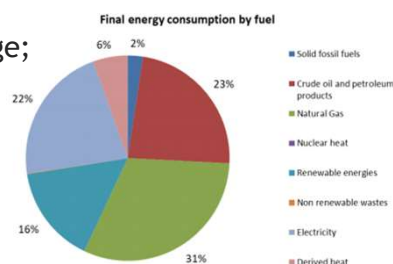
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First step was to produce an Energy Report of the FVG region, depicting the current situation of the whole sector.

Data were collected and monitored regarding:

- Gas and electricity network;
- Transport infrastructure and mileage;
- Electrical and thermal energy consumptions by sector;
- Energy production by source;
- Import/export of energy vectors;
- Emissions.



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RES POTENTIAL EVALUATION



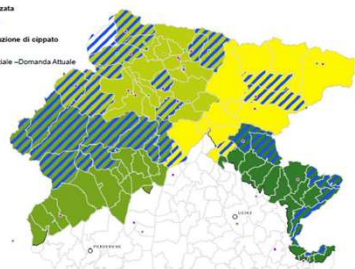
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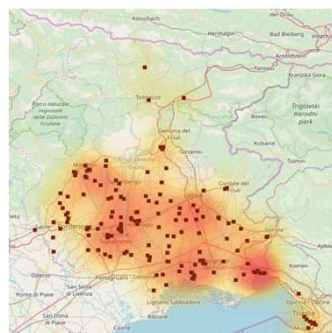
Besides using updated tools such as Solar Atlas and PVGIS, studies have been carried out focusing on woody biomass potential (ENTRAIN project) and waste heat recovery (CE-HEAT).

Disponibilità di Cippato di Classe A
(per impianti di teleriscaldamento con potenza < di 1 kW)

- Area non metanizzata
 - Impianti esistenti
 - Piattaforma produzione di cippato
- Cippato di Classe A
Disponibilità (t) = Potenziale - Domanda Attuale
- | |
|---------------|
| 6172 - 6525 |
| 6525 - 7984 |
| 7984 - 10716 |
| 10716 - 14884 |



Wood biomass availability vs not methanized municipalities



Industrial waste heat sources



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ENERGY MODELLING

Combining all the aforementioned informations and results from other projects, a regional energy model is being set up using the LEAP tool.

Starting from a reliable representation of the current situation of energy production, consumption and imports, multiple scenarios will be analysed. This will allow to identify different paths, actions and costs necessary to reach the climate neutrality goal.



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LOCAL DEVELOPMENT GUIDELINES

Local development key points were identified during 3 meetings with industry representatives, universities and research centres, environmental associations and local development agencies.

The outcome was then further developed into a Regional Energy Action Plan within the PROSPECT2030 project. The main development lines for the FVG region are:

- Efficiency in buildings and eco-constructions;
- Bioenergies;
- Smart grids;
- Sustainable mobility;
- Efficiency and low emissions in industry.



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REGIONAL ENERGY PLANNING



Cooperation with the region FVG focuses on identifying good practices and efficient usage of European and National public funds.

This means:

- Translating the Regional Energy Action Plan into optimal financing schemes;
- Disseminating good practices;
- Supporting municipalities in making long-term sustainable and optimal investments.



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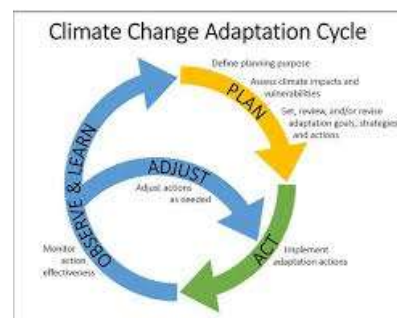
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CLIMATE ADAPTATION



Moreover, APE FVG is also involved in integrating climate adaptation measures on the territory, cooperating with local municipalities as well as with international partners like in the RESPONSE Interreg project.

Hydrogeological and environmental preservation through a careful management of rivers and forests is key point towards sustainable development. At the same time is important to implement safety measures against floods and other extreme events. Water scarcity in agriculture is increasing every year.



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THANK YOU!



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