

Interreg

CENTRAL EUROPE



European Union
European Regional
Development Fund

PROSPECT2030

TAKING
COOPERATION
FORWARD



PROSPECT2030 final conference | 01/12/21



Insights from our pilot regions: FVG



PROSPECT2030 | APE FVG | Francesco Locatelli

Regional basics

Energy system
baseline

Action plan

Scenario 2030

Chances and
challenges



Friuli Venezia Giulia

- Alpine to Mediterranean climate
- Strategic crossroad location for infrastructures (harbours, pipelines, High V)
- Autonomous region, has certain autonomy on energy topics regulation
- Well developed economy based on industry, services and tourism
- GDP higher than country average but with slower growth (31.400 EUR/capita)
- Stable population in urbanized areas, decreasing trend in alpine valley



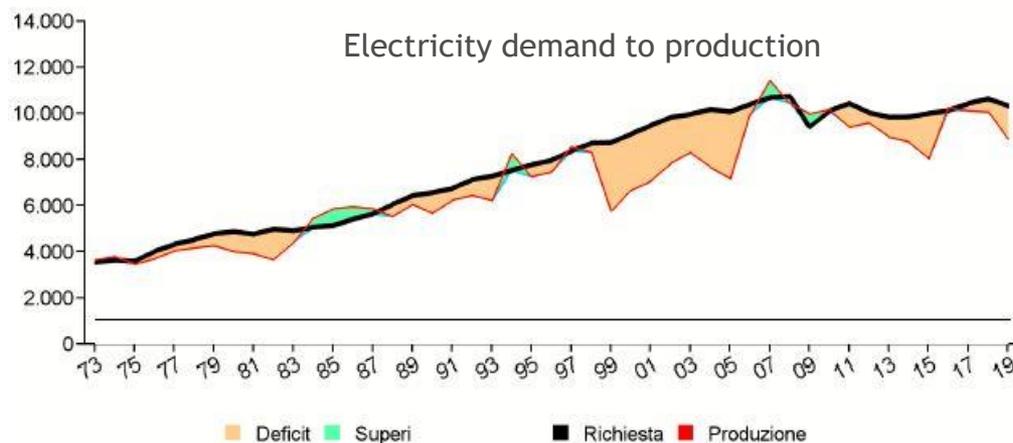
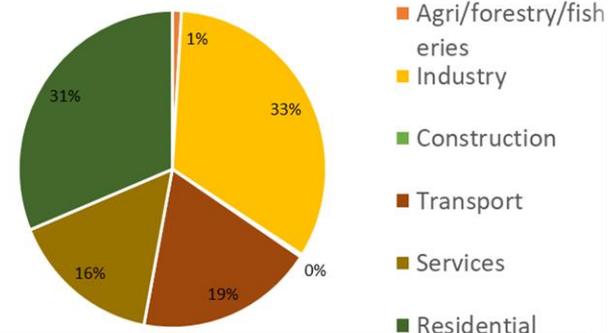
	FVG	ITALY
Area	7 924 km ²	302 073 km ² (2,6%)
Population	1 200 374 pp	60 244 639 pp (2%)
Population Density	153 pp/km	199 pp/km
Municipalities	215	7 903 (2,7%)
Households	561 100	26 081 199 (2,1%)



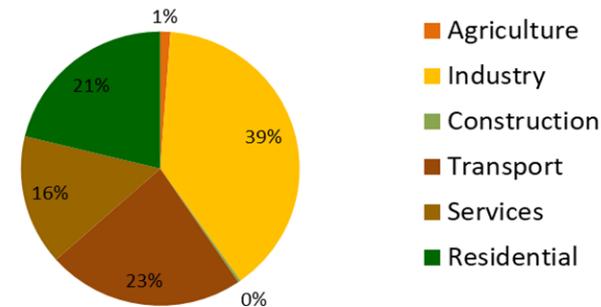
FVG 2016

- Final consumption per capita 31,5 MWh/a
- Carbon emissions per capita 9,7 t/a
- Share of renewables in final consumption 21%
- Internal el generation 112% of final consumption
- Internal heat generation 0,01% of final consumption
- Internal transport supply 0% of final consumption

Final Energy Demand by Sector



Share of sectors in regional CO2 emissions from energy consumption



Key energy priorities and actions

- ***Sustainable Building:***

- Energy efficient retrofiting
- Eco-constructions
- Small-scale RES integration
- Demand-side management

- ***Bio Energies:***

- Forest management
- Biomass DHN
- Biogas plants

- ***Sustainable Mobility***

- Terrestrial transport
- Maritime transport
- Alternative fuels

- ***Industrial Efficiency:***

- Waste Heat Recovery
- Hydrogen in industry
- Hybrid solutions

- ***Smart Grids:***

- Energy Communities
- Monitoring systems & Demand response
- RES integration

Creation of standards and good practices

Smart and efficient funding schemes

Constitution of cross-sectoral working groups



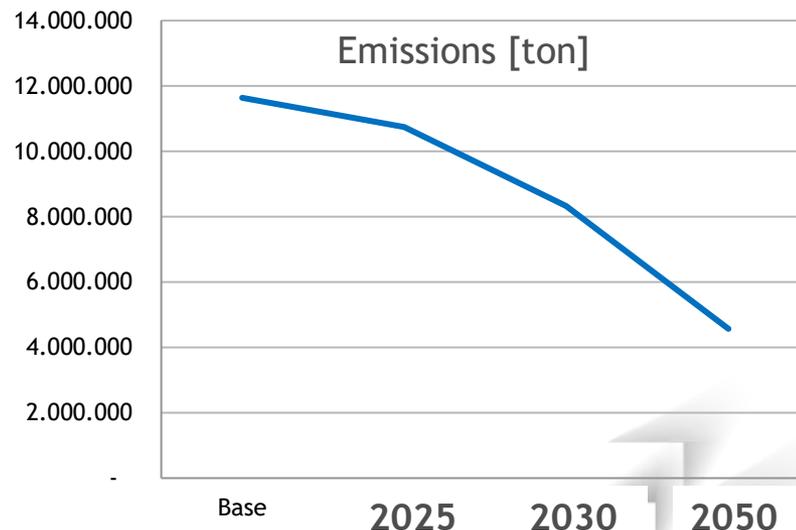
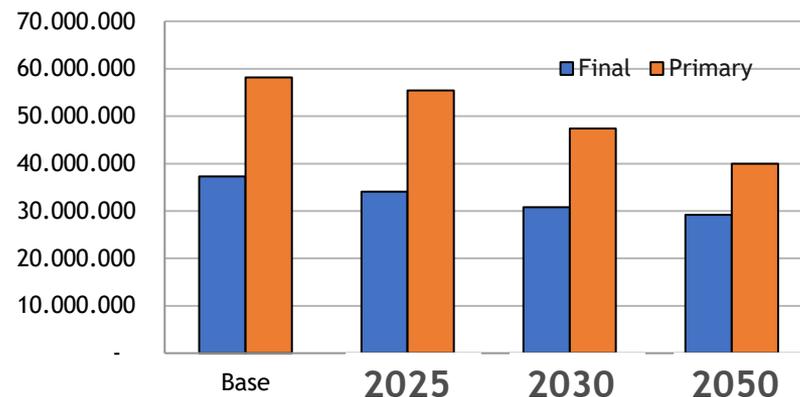
2030 FVG targets

- Primary consumption -18,4%
- Final consumption -17,5%
- Emissions -28,5%
- Renewables 21% -> 36%
- Internal generation 27% -> 36%
- Investments needed in energy generation

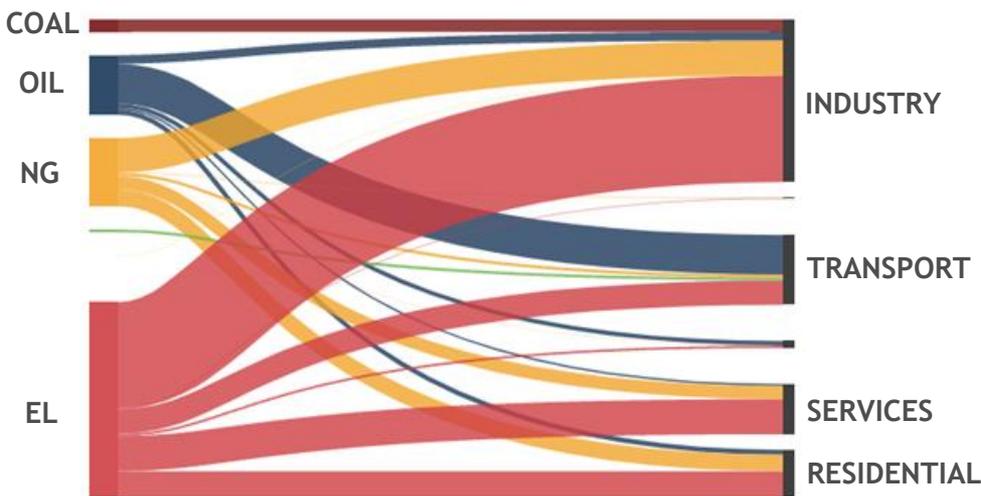
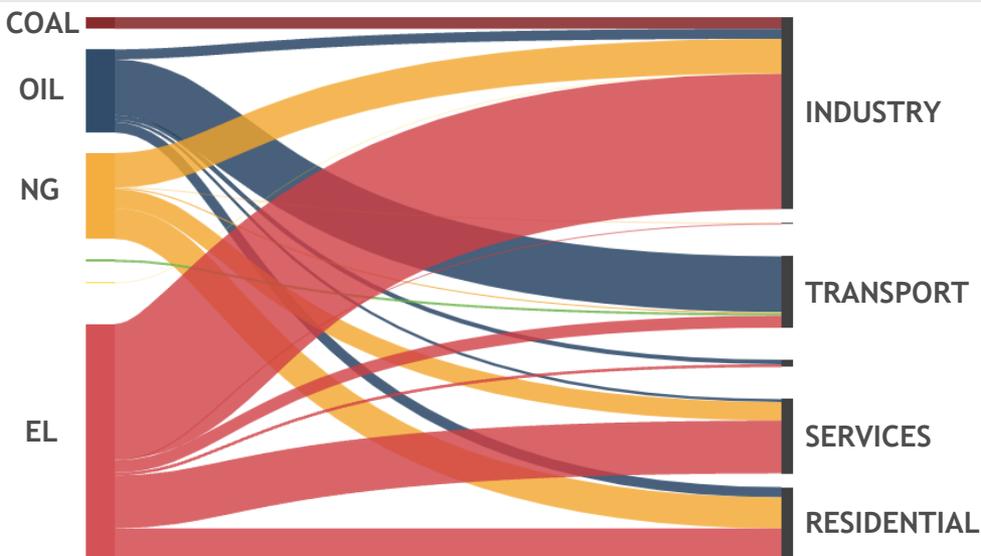


MID TERM	Investment (€)	Feed-in remuneration (€)	Investment incentive (€)
PV	1.942.959.098	80.313.987	284.205.063
BIOGAS	129.478.388	15.348.331	0
SOLID BIOMAS	503.893.411	101.960.726	0
HYDRO	92.832.616	6.512.215	0
HP & ST	13.714.710	0	8.856.433
total	2.682.878.223	204.135.259	293.061.496

Consumption [MWh]



CHANCES AND CHALLENGES



CHANCES

- Developing new synergies and leading innovation
- Opportunity for regional industries and supply chains
- Affordable & profitable energy

CHALLENGES

- Industry and transport sectors
- Cross-sectoral cooperation
- Efficient use of public funds to leverage private investments
- Involvement of private sector



All starts with a **REGIONAL ACTION PLAN** which:

- ❖ SETS **CLEAR AND BINDING GOALS**
- ❖ DEFINES **PRIORITIES AND DETAILED MEASURES**
- ❖ IS BASED ON **UPDATED DATABASES**
- ❖ ACCOUNTS FOR THE **FINANCE RESOURCES**



CONTACTS



Francesco Locatelli
APE FVG
PROSPECT 2030



www.interreg-central.eu/prospect2030



francesco.locatelli@ape.fvg.it



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