



The Friuli Venezia Giulia Region energy strategy

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Overview

Short energy outlook of the Friuli Venezia
 Giulia Region - RES insight

State of the art of the energy plan

Objectives and measures of the plan



Overview of RES share

| RENEWABLE ENERGY SOURCES | | | | | | | | |
|--------------------------|---------------------|-------------------------------|---|--|-------------------|---------------------------------|--------------------------|-----------------------------|
| | RES Targets 2020 | RES -Transport target 2020 | RES-Heat target 2020 (indicative) | RES - Electricity Target 2020 (indicative) | RES 2012 SHARE | RES- TRANSPORT share 2012 | RES - HEAT share 2012 | RES- ELECTRICITY 2012 |
| EU | 20% | 10% | 25% | 40% | 14% | 6% | 14% | 23,40% |
| Italy | 17,5 | 10,10% | 17,10% | 26,40% | 11,5 | 4,90% | 11% | 23,50% |
| Friuli Venezia Giulia | 12,70% | - | - | - | 9-10 %? | - | ? | 22% |

Friuli Venezia Giulia RES targets 12,7% 2020 RES (RES-H+RES-E)/Final energy consumption Italy has met the 2011 ad interim target of 7,6% RES



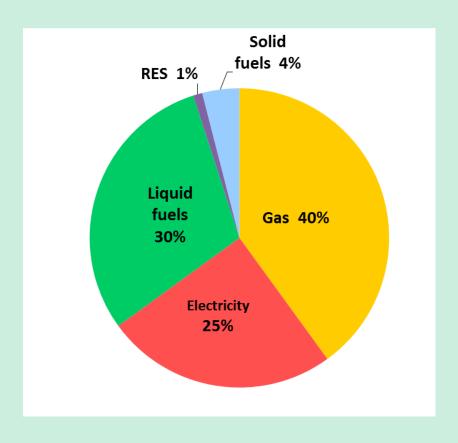
Energy outlook – FVG Region

Final energy demand by sector

Services 17% Househol d 18% Industry and agricultur e 44%

Transport 21%

Energy demand by carrier



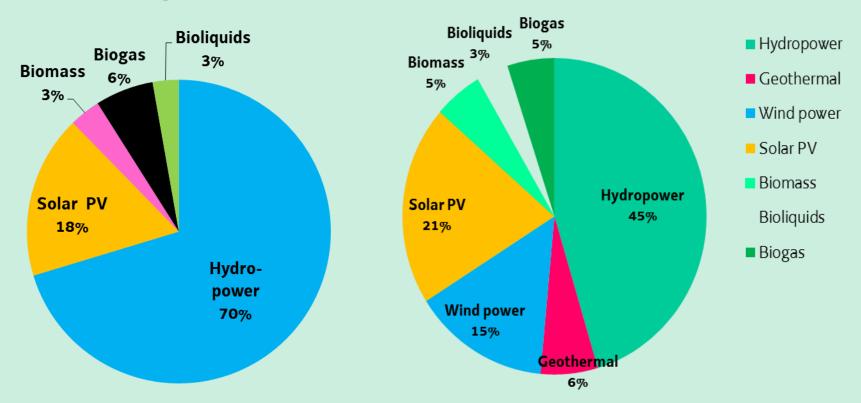
Source: ENEA 2008



RES – E outlook in Italy and in the Friuli Venezia Giulia Region

RES-E share in the Friuli Venezia Giulia Region (MWh)

RES-E share in Italy MWh



Source GSE 2012





Stumbling blocks in future RES targets and deployment in the FVG Region

RES Electricity

⚠ Incentive system

Access to finance

Authorization procedure

Grid connection/ infrastructure

RES Heat&Cooling

Information

Qualification of installers

Supply chain

Complexity of the legal framework

RES Transport

Lack of stations for alternative fuels



The Regional energy plan activities

- TIMELINE- From April 2014 to July 2015
- ENERGY PLAN ACTIVITIES
 - SEA process (SEA of the plan Preliminary Report was laid out and approved in March 2014 by the Government)
 - Update regional energy balance
 - Plan lay out
 - Consultation
- ENERGY PLAN DOCUMENT energy assessment, offer and demand, energy scenarios and socio economic impacts
- ENERGY PLAN FRAMEWORK AND INTERFACE with old plan, EU and national targets, regional energy law 19/2012, other plans (mobility, territory, waste, environment etc)





The energy plan procedure

Plan steering

Plan lay out

Plan consultation Adoption Approval

Plan management implementation

ENERGY PLAN LAY OUT PROCESS

Energy Plan objectives and rationale

EP specific objectives and implementation measures EP draft proposal

Assessment of comments and proposals

EP overhaul

EP management and implementation

EP PARTICIPATION PROCESS

Consultation on the Preliminary Report with selected stakeholders

ENERGY PLAN and PRELIMINARY
REPORT assessment by the Council of local public entities

Adoption of the EP and the SEA
(Strategic Environmental
Assessment)
Publication
Opinion of the Authority on the SEA
EP approval and
Publication

Plan monitoring web publication

EP ASSESSMENT

Energy Plan Preliminary Report lay out

EP Environmental Report lay out – revised Lay out of not technical synthesis

Evaluations of comments

Overhaul of SEA documents

Synthesis statement

Environmental monitoring and ongoing evaluation



Key objectives of the future plan

- Support energy distributed generation
- Support to energy from RES
- Environmental improvement and GHG emissions reduction
- Energy innovation, R&D and energy security
- Support to energy competition and to low energy prices
- Increase energy efficiency consistently with EU and national provisions



Key implementation measures of the plan:

- Support energy efficiency in public buildings, transport and industry
- Overhaul the energy distribution system defining the main energy corridors and implementing smart grids
- Support energy audits
- Support to towns that joined the Covenant of Majors (Decree 2201/2013)
- Enhancing sustainable transport and in particular electric mobility and intelligent charging stations
- Define the optimal energy RES and not RES mix and the use of local energy sources like biomass from sustainable short supply chains, hydropower and geothermal sources
- Contribute to reducing regional GHG emissions
- Economic support measures (i.e.bank of white certificates etc)





Thanks for the attention!

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