

6th General Assembly

HyWays

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***SUSTAINABLE LOCAL ENERGY PLANNING***

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# *Regional Energy Plan*

- ❑ Empowering supply side;
  - ❑ Ensuring supply diversification;
  - ❑ Developing competitive sustainable energy sources;
  - ❑ Increasing competition between operators;
  - ❑ Reducing final costs for citizens and companies;
  - ❑ New job opportunities.
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## *Primary Energy Production*

*Strong dependency to foreign sources*

- **Primary Production** = 12% internal consumption
  - **Regional Import** 87,7% (National 84,1%):
    - ✓ **Oil** 45% ( National rate 46,7% )
    - ✓ **Gas** 31,5% ( National rate 33%)
    - ✓ **Renewable** 12% of internal energy consumption
    - ✓ **Solid fuels** 7,1% ( National rate 7,9%)
    - ✓ **Electricity** 4,6 % ( National rate 5,8%)
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## *Increasing and developing renewable sources*

- Increasing environmental sustainability in energy production and utilisation, in particular through geothermic, biomass, wind, solar, photovoltaic, bio fuels and hydro sources;
  - Increasing energy autonomy and ensuring final cost reduction for citizens and companies.
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## *Ongoing Projects*

- Public services: projects realised by Copit (Pistoia) and Ataf (Florence) to develop zero emission public transport vehicles based on hydrogen/methane;
  - “Multienergy”: network of regional stations to produce/distribute hydrogen and hydrogen mixed fuels for transportation
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## “ Filiera Idrogeno Project ”

*Coordinated by the company Pontech (Pontedera) in partnership with local authorities, the University of Pisa and Sant'Anna School of Advanced Studies, the Ministry of University and Research and several companies based on the coastal area*

- ❑ Development of hydrogen based mobility system
  - ❑ Implementation of a fully developed Hydrogen district
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