



European Union legislation on renewable energy imports - overview and current status

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Meeting our 20-20-20 by 2020 goals



Greenhouse
gas levels



Energy
consumption



Renewables
in energy mix





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Flexibility and cost effectiveness under Directive 2009/28

- “Joint projects”: helping to build new installations or providing finance in some other way, Member States can help other Member States and third countries to build up renewable energy production capacity and share the resulting production to also contribute to the financing Member State’s target.





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Use of Cooperation Mechanisms in National Renewable Energy Action Plans

- National plans submitted by all Member States included
 - Ø trajectories, national sectoral targets, technology breakdown
 - Ø national, regional and local measures to achieve the targets
 - Ø use of co-operation mechanisms
- Luxembourg & Italy expect to need to “import” renewable electricity before 2020
- Other Member States, like Germany and France, as well as industry groups (Eurelectric, EFET) are examining southern Mediterranean imports, including demonstration and pilot projects, because of the post-2020 needs





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Rather small amounts of imports needed until 2020...

Italian NREAP and art. 9



Projects	TWh (MtOE)	Import starts by	Agreement
Merchant line Italy – Switzerland	4 TWh/year (0.344 Mtoe/year) in 2018	*	Under discussion possible implementation of ART. 9
Merchant line Italy – Albania	3 TWh/year (0.258 Mtoe/year)	2016	Under revision the Agreement on "Mutual recognition of the Green Certificaties" in order to make use of ART. 9
Interconnection Italy – Tunisia	0.6 TWh/year (0.052 Mtoe/year)	2018	Under discussion possible implementation of ART. 9 GSE carried out a regulatory study for the implementation of ART. 9
Interconnection Italy–Montenegro	6 TWh/year (about 0.516 Mtoe/year)	2016	Signed, in 2009, an agreement to support the construction of an interconnection line between the countries

* Italy imports at present renewable Energy from Swiss Confederation albeit not subject of joint projects. The amount indicated in the chart refers to the estimated maximum amount that could be achieved from 2018.



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...but pilot projects necessary in view of the longer term !

- Several Member States are willing to support pilot projects for electricity exports with the view to facilitate investments.
- Cooperation agreements between countries around the Mediterranean.
- After 2020, the decarbonisation scenario...

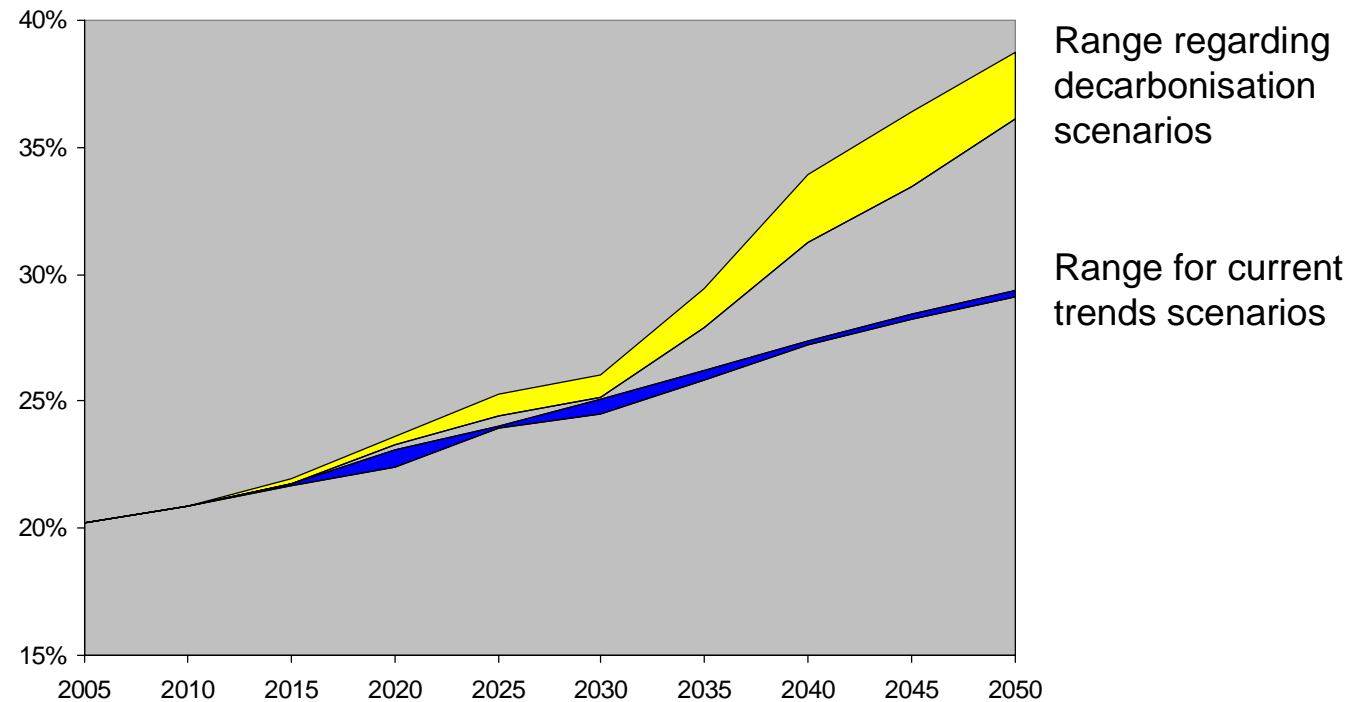




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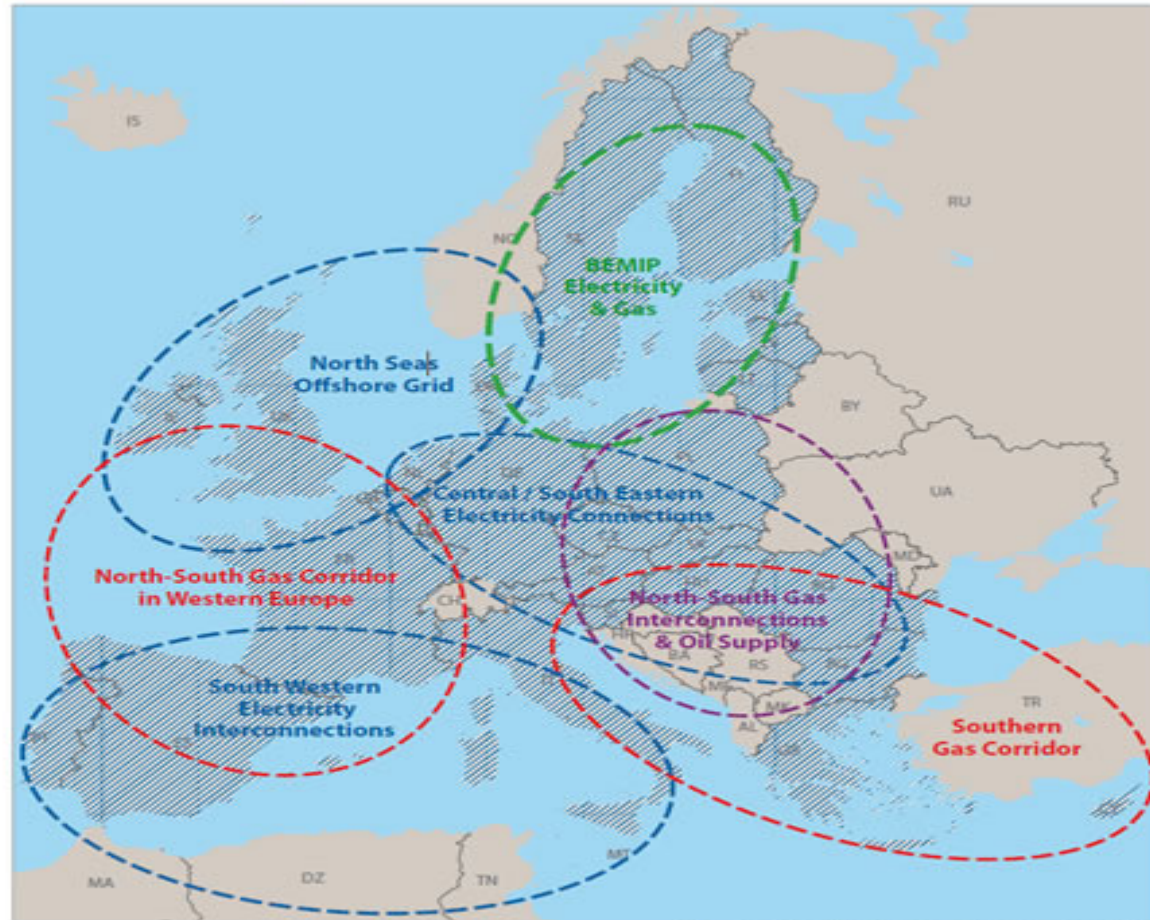
Moving towards the 2050 decarbonisation scenario Electricity plays an increasing role

Roadmap 2050
Share of electricity
in current trend
and
decarbonisation
scenarios
(in % of final
energy demand)





Priority corridors for electricity, gas and oil



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- Gas
- Electricity
- Electricity and gas
- Oil and gas
- Smart Grids for Electricity in the EU





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Key requirements for Art.9 projects

- To achieve the target, an EU Member State can count electricity produced outside the EU if it is:
 1. **consumed** in the EU
 2. **produced** by an installation that became operational after 25 June 2009
 3. **not subsidized** by the exporting country (but investment aid to the installation allowed)
 4. **notified** to the European Commission





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Key requirements for Art.9 projects

- 'Consumed in the EU' means:
 - ∅ Anywhere in the EU (not necessarily in the Member State counting the electricity in its national target);
 - ∅ Proof that the electricity has entered the EU – traceability of flows until destination market





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Key requirements for Art.9 projects

EX ANTE

- What should be notified to the European Commission ?
- ∅ Identification of the power plant concerned
- ∅ Quantity of electricity produced by the installation to be counted to the national target during a defined period of time (one or several calendar years)
- ∅ Financial arrangements (subject to confidentiality requirements)
- ∅ Written acknowledgement of the above by the third country and additional information on the share of electricity used domestically





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Key requirements for Art.9 projects

EX POST

- What should be notified to the European Commission ?
- ∅ Notification before end of March for the previous year
- ∅ Total amount of electricity produced per installation and imported to count towards the national target
- ∅ Proof of compliance with the criteria of Article 9 § 2 (consumed in the EU, new or newly refurbished installation, no operational support scheme by third country)





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Current activities - overview

Example Italy:

- Interconnector with Montenegro to import electricity from Balkan states has received final approval November 2010
- Subsea cable planned to connect Tunisia with Sicily in 2017 (tender has been issued and pre-selection made)
- Support mechanisms have been agreed with Albania and Serbia; similar agreements under discussion with Montenegro and Tunisia

Important fora for cooperation supported by the EU:

- MEDREG – Association of Mediterranean Regulators for Electricity and Gas
- METSO – Association of Mediterranean Transmission system operators





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Towards a reinforced energy partnership with Southern Mediterranean countries

The EU has increased its support to RES deployment

- Increased support to energy sector reforms
- Project financing (with EIB/NIF)
- Regional cooperation projects

How to build a stronger partnership?

- Consulting our partners on a RES partnership
- Better understanding of the energy challenges in the South
- DCTA negotiations to start in 2012 with Tunisia and Morocco.





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Thank you for your attention!

http://ec.europa.eu/energy/renewables/index_en.htm

