

BETTER Roadmap for enhanced cooperation between EU and third countries – Policy Recommendations

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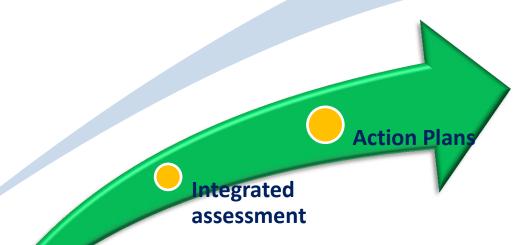






Roadmap Approach







Bottom-up assessments

Present how cooperation can take place in 2020–2030 and 2030–2050 time frames

Include detailed policy measures and implementation guidelines on cooperation mechanisms with neighbouring countries

→ Synthesis report of all the work in the BETTER project





Roadmap Vision, Mission and Goals



VISION

Enhanced
renewable
electricity (RES-E)
cooperation
between Europe
and neighbouring
regions (North
Africa, Turkey and
Western Balkans)
in the time frame
to 2030 (2050)

MISSION

To facilitate

- (1) RES-E expansion in the neighbouring regions, and
- (2) a framework that ensures the implementation of mutually beneficial joint projects, which result in RES-E import to the EU

GOALS

3-4% share of EU RES-E demand by 2030 through import from neighbouring regions

33 -38 % less support expenditures in EU per year (2021-2030 average) to reach the 27% target

Yearly revenues for neighboring countries sum up to over 1 billion € (average 2021-2030)

Many new jobs created in the neighbouring/exporting countries

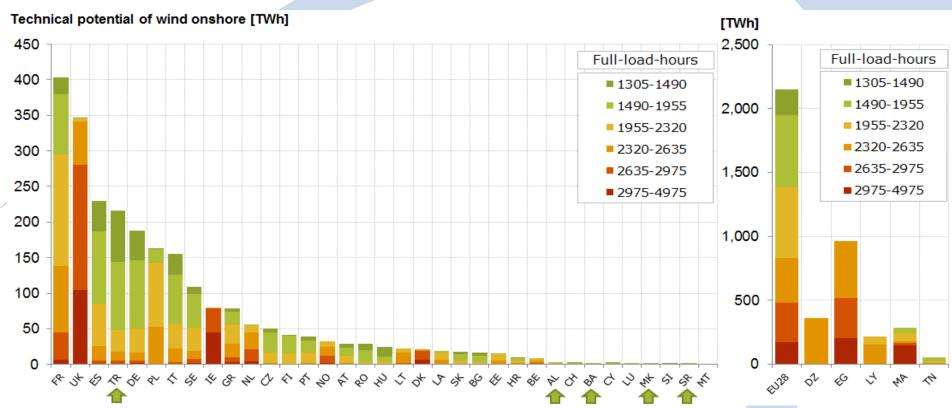




Point of Departure: Different RES potentials



EXAMPLE: ONSHORE WIND



excellent wind conditions in Egypt are in the size of all available locations of same quality within the EU28

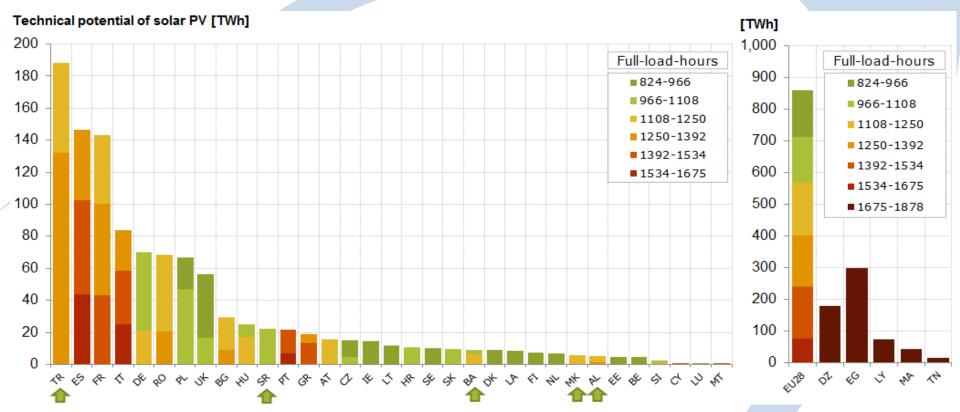




Point of Departure: Different RES potentials



EXAMPLE: SOLAR PV

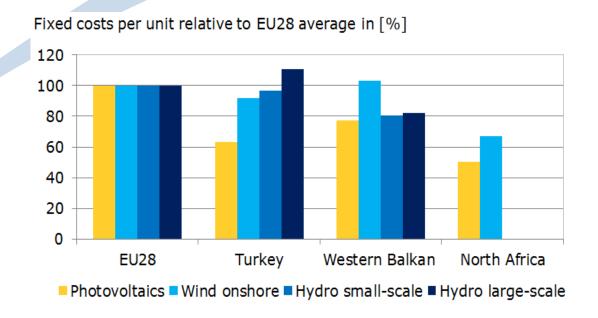






Point of Departure: Comparative advantage



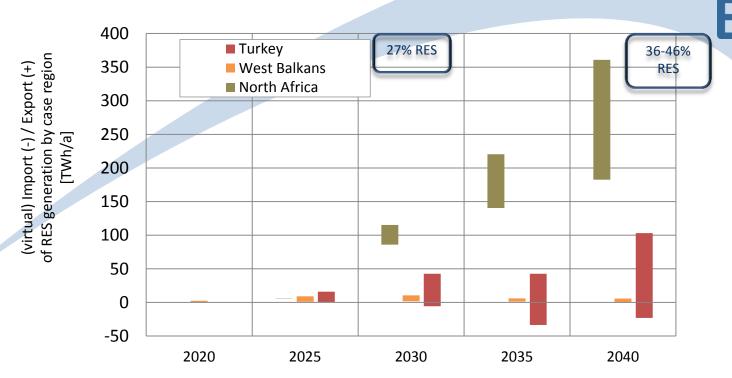


- The costs of installing PV panels are on average around 20 to 50% lower than within the EU28.
- Cost comparison is mainly based on differences in resource qualities.





Looking ahead: Opportunities



Impacts to EU

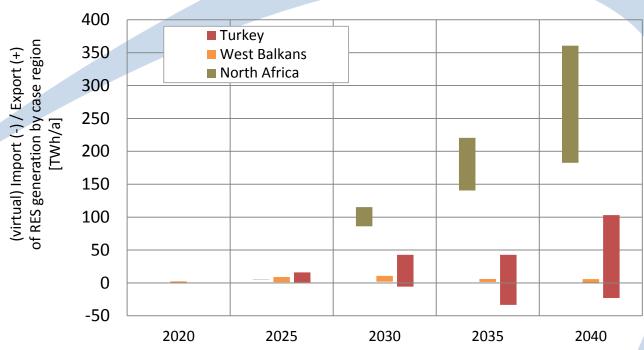
- > RE-E imports are 3-4% of EU28 RES-E demand in 2030
- ➤ This contributes to support expenditure savings of 3.8 4.4 billion €/year for 2021-2030 average (33 -38 % less than the reference)
- > Share of imports could increase to 18% of 2040 RES-E demand and save around 30 billion €/year (2031-2040)





Looking ahead: Opportunities





Economic benefits at Neighbouring region level

(revenues on average per year)

		N. Africa	Turkey	W. Balkans	
Average per year (2021-2030)	Million €	750-1000	5-350	90-120	





Prerequisites for enhanced RES cooperation (1)



Generic:

- Political willingness and commitment, including clear and transparent strategies in both EU/EU MS (off-take countries) and neighbour countries (host countries)
- Democratic and participatory processes: Creating public acceptance (including communication strategy)
- Legal and regulatory frameworks, which are attractive for investors
- Appropriate cost/benefit sharing arrangement
- Ensuring necessary grid (interconnector) infrastructure

EU specific:

- More certainty on the post 2020 framework, including role of cooperation mechanisms, i.e. governance structure for achieving RES target
- Clear and transparent strategy for RES imports from neighbouring regions/countries





Prerequisites for enhanced RES cooperation (2)



Neighbouring country specific:

- Appropriate (energy system) planning
- Establishing robust regional electricity market/system to allow for balancing of generation and load
- Strategies in neighbouring countries to capitalize on expansion of indigenous RES-E for export to EU
- Addressing and ensuring social and environmental safeguards related to RES expansion and cooperation





Key Policy Recommendations for EU

[NB! PRELIMINARY RECOMMENDATIONS]



Actions and Milestones.....

2020-2030

Now - 2020

- Transparent & robust governance structure for reaching 2030 EU RES target
- Political commitment for enhanced RES cooperation
- EU-neighbour dialogue platform to identify interests, opportunities
- Strategy for RES cooperation between EU and neighbours, which identifies possible RES-E import contributions to 2030 EU RES target (e.g. TWh and/or %)
- Review current Article 9, and extract lessons learned





Key Policy Recommendations for EU

[NB! PRELIMINARY RECOMMENDATIONS]



Actions and Milestones.....

2030-2050

2020-2030

Now - 2020

- Implement RES cooperation strategy
- Ensure transparent Introduce suitable cooperation mechanism robust governance structure for reaching Put in place formal cooperation agreements
- Ensure political grid interconnectors and start constructing
 - Initiate post 2030 (RES) energy framework, which includes RES cooperation commitments/ efforts with neighbours
- Create EU-neighbour dialogue platform to identify interests, opportunities (strategy input)

enhanced RES

cooperation

 Develop (long-term) strategy for RES cooperation between





Key Policy Recommendations for EU

[NB! PRELIMINARY RECOMMENDATIONS]



Actions and Milestones.....

2020-2030

- Ensure transparent & robust governance structure for reaching 2030 EU RES target
- Ensure political commitment for enhanced RES cooperation
- Create EU-neighbour dialogue platform to identify interests, opportunities (strategy input)
- Develop (long-term) strategy for RES cooperation between EU

- Implement RES cooperation strategy/ies, including short term pilot projects and long term planning activities
- Introduce revised (Art. 9) cooperation mechanism, or alternative instrument
- Collaborate with neighbours on establishing required formal agreements
- Collaborate with neighbours on establishing/financing new grid interconnectors
- Initiate post 2030 (RES)
 energy framework, which
 includes RES cooperation
 commitments/ efforts with

2030-2050

- Implementation and review with view to improving relevant framework for RES cooperation
 -
 - ...







Key Policy Recommendations for Third Countries [NB! PRELIMINARY RECOMMENDATIONS]



Actions and Milestones.....

2030-2050

2020-2030

Now - 2020

- Energy planning to ensure future energy demand needs are met
- Establish robust regional and (RES) markets (particularly in N. Africa and W. Balkans)
- Ensure political commitment and strategy for (long term) RES-E exports to the EU
- Investigate and suggest policy coordination (RES, industry, education, etc.)
- Initiate relevant pre-feasibility studies





Key Policy Recommendations for Third Countries [NB! PRELIMINARY RECOMMENDATIONS]



Actions and Milestones.....

2020-2030

- Improved (energy) planning to ensure future energy demand needs are met
- Establish robust regional and (RES) markets (particularly in NA and WB)
- and vision for (long term) **RES-E exports to the EU**
- Develop (long-term) strategy for RES cooperation with EU
- **Investigate and suggest** policy coordination (RES, industry, education, etc)
- Initiate relevant prefeasibility studies

- Feasibility studies, addressing mutual benefit as well as social and environmental issues
- Select and build specific interconnections (joint efforts with EU/EU MS)
- Ensure political commitment Set up coherent regulatory framework for RES-E exchange in collaboration with **FU/FU MS**
 - Collaborate with EU/EU MS and financing institutes (e.g. multilateral banks) to secure necessary financing





Key Policy Recommendations for Third Countries [NB! PRELIMINARY RECOMMENDATIONS]



Actions and Milestones.....

Now - 2020

- Improved (energy) planning to ensure future energy demand needs are met
- Establish robust regional and (RES) markets (particularly in NA and WB)
- Ensure political commitment and vision for (long term)
 RES-E exports to the EU
- Develop (long-term) strategy for RES cooperation with EU
- Investigate and suggest policy coordination (RES, industry, education, etc)
- Initiate relevant prefeasibility studies

2020-203 2030-2050

- Continued feasibility studies, addressing mutual benefit requirements/needs as well as social and enimproying relevant framework for RES
- Select and build specific interconnections (joint efforts with EU/EU MS)
- Set up coherent regulatory framework for RES-E exchange in collaboration with EU/EU MS
- Collaborate with EU/EU MS and with financing institutes (e.g. multilateral banks) to secure necessary financing





Concluding remarks



- 1. Three distinct timeframes, with different focus and attention:
 - Now 2020: Preparation & planning
 - 2020 2030: Implementation
 - 2030 2050: Adaptation & scaling up
- 2. EU has three distinctively different 'neighbours', different approaches are needed as well as different timing
- 3. Common denominator for EU-Third country RES cooperation: Future cooperation must be based on mutual benefits (and these have yet to be fully understood) and not solely on cost effectiveness in the EU





BRINGING EUROPE AND THIRD COUNTRIES CLOSER TOGETHER THROUGH RENEWABLE ENERGIES



Thank you for your attention!

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