

towards2030

towards2030-dialogue

Dialogue on a RES policy framework for 2030

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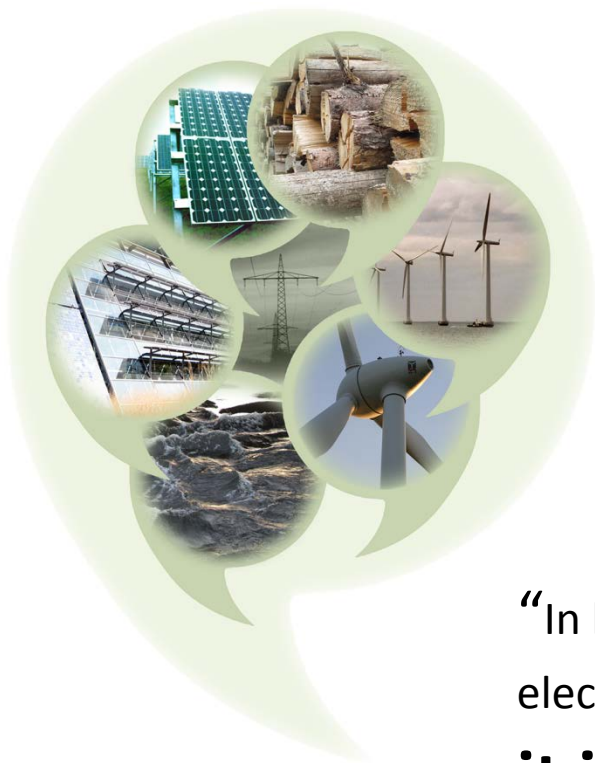
& the whole project team

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- **Title:** Dialogue on a RES policy framework for 2030
- **Financial Support:** Intelligent Energy for Europe Programme, managed by the Executive Agency for Small and Medium Enterprises (EASME)
- **Core objective:**

“In line with the key priorities related to strategic initiatives for RES electricity (i.e. informing the debate on the post 2020 horizon)
it is the core aim of towards2030-dialogue to facilitate and guide the RES policy dialogue for the period towards 2030.”

Who We Are?



Participant name	Short name
Technische Universität Wien, Energy Economics Group	TU Wien
Fraunhofer Institute for Systems- and Innovations Research	Fraunhofer ISI
Energy Research Centre of the Netherlands	ECN
Center for European Policy Studies	CEPS
National Technical University of Athens	NTUA
Consejo Superior de Investigaciones Científicas	CSIC
Ecofys Netherlands and affiliates	Ecofys
REKK Energiapiaci Tanacsado Ltd	REKK ET
European University Institute, Florence School of Regulation	EUI

Project coordination:
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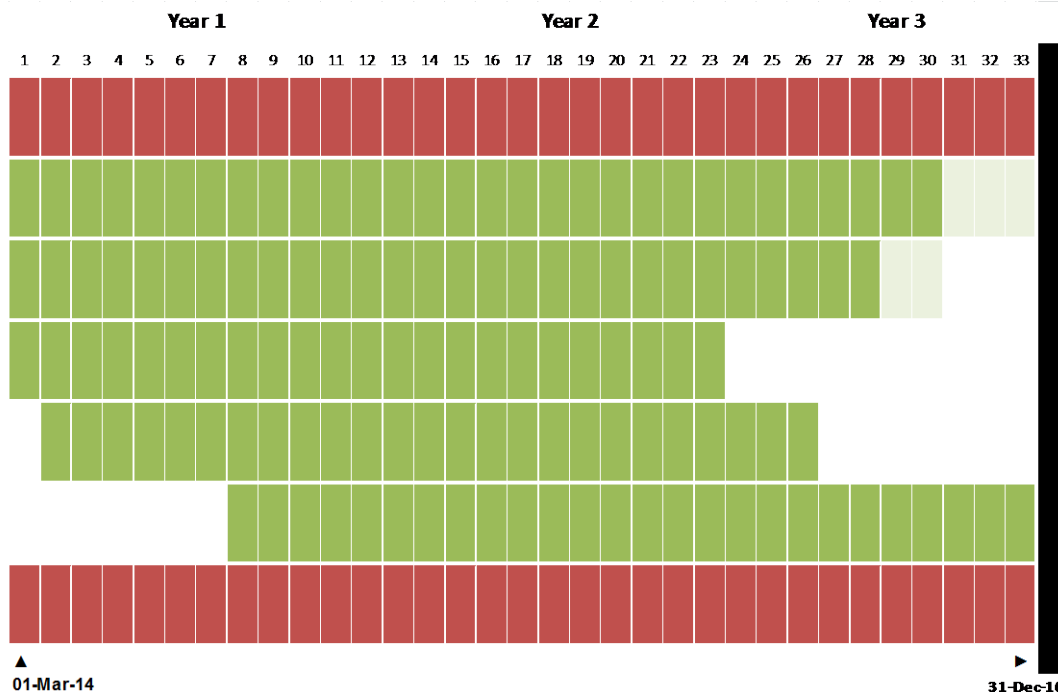


Co-funded by the Intelligent Energy Europe Programme of the European Union

Where do we stand?

Project phase / Duration of the project (in months)

- Stakeholder dialogue (WP2)
- Policy challenges & policy pathways (WP3)
- 2030 targets, technology paths & effort-sharing (WP4)
- Electricity market design & RES integration (WP5)
- The overall energy framework: Impact of external factors on the RES debate (WP6)
- Policy recommendations and cross-cutting policy priorities (WP7)
- Communication activities (WP8)

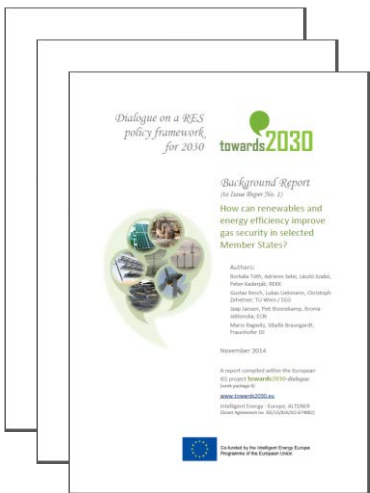


Past activities

- Several **stakeholder workshops** (Brussels (3 times), Florence, Berlin, Den Hague, Athens)
- **Issue papers**
- **Final Conference**
- **Detailed background reports**

Next events

- **Final reporting → online by end of February 2017**



Intense *dialogue* & institutionalised *consultation process* of the relevant stakeholders at policy, industry and expert level.

Promotion & dissemination of the project results.

Analysis of the key **policy pathways** towards 2030, including different policy portfolios and pathways towards convergence.

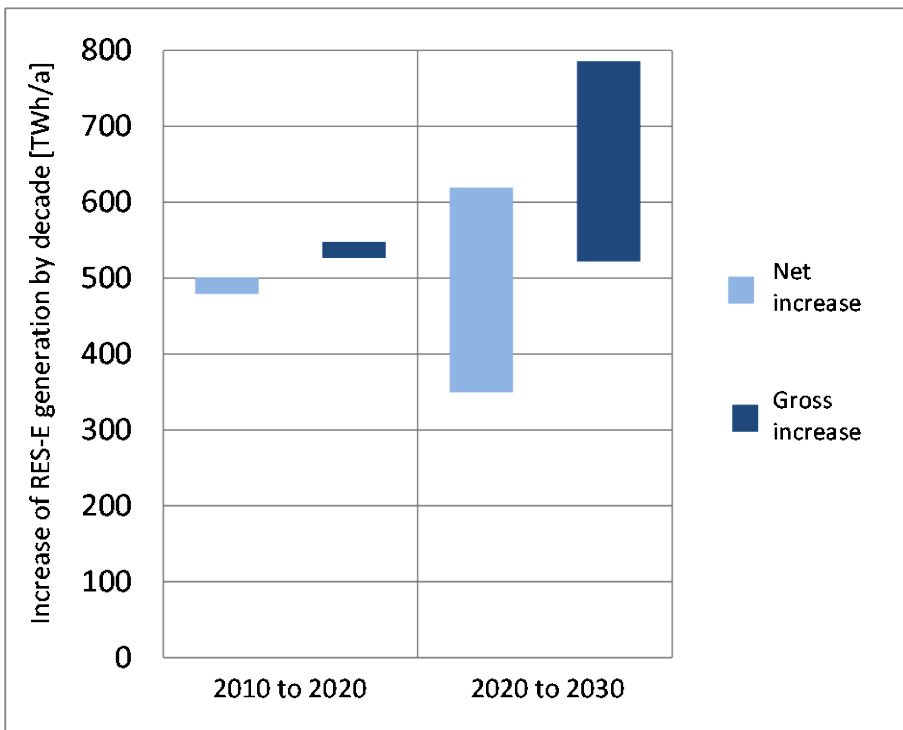
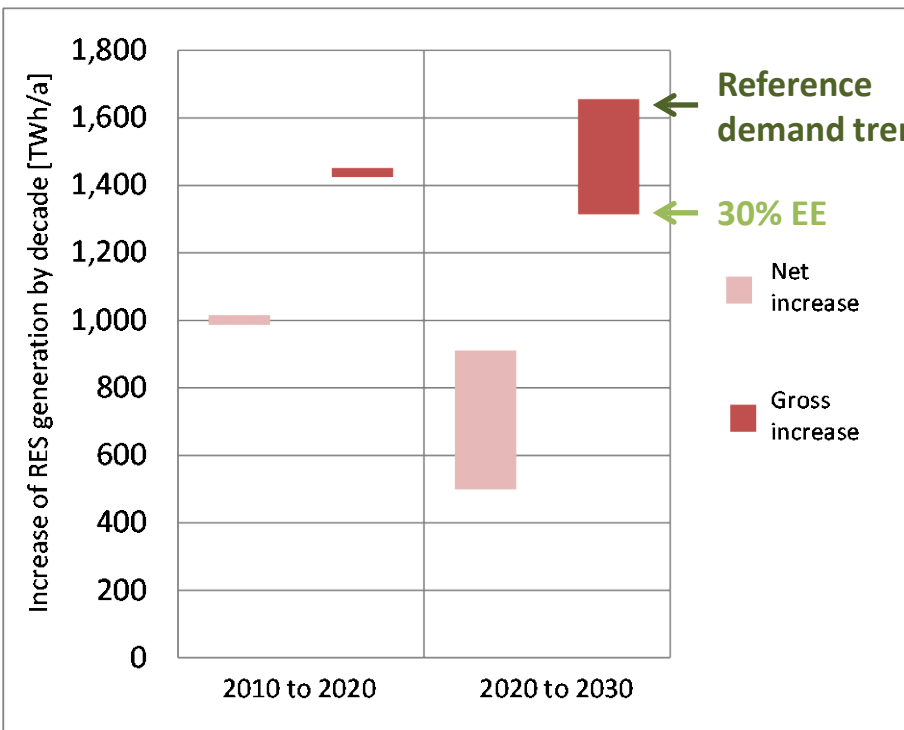
Analysis of **2030 target setting options**, and of approaches for an effective and efficient **effort sharing**

Identification of key **regulatory challenges and barriers** for electricity market design and system operation.

Assessment from an integrated, overall **policy perspective**, relevant **major external developments** impacting on post-2020 RES development and policy making in the EU.

Consolidation of the main outcomes

- RES developments at EU-level up to 2030: **Net and gross increase of RES generation at EU level by decade (2010-2020 vs. 2020-2030) ...**
 ... across **all energy sectors (left)** and in the **electricity sector (right)**
 in accordance with a 27% renewables target for 2030



→ *In principle* ... the ambition level of 27% renewables by 2030 should not be underestimated, specifically in the power sector

→ *But* ... energy efficiency is a key determinant
 → **30% EE significantly lowers the ambition**

- In the light of the Paris Agreement ...
 - **30% energy efficiency & 30% renewables** as preferable combination
 - ... that can be achieved at no/low additional cost
 - (cf. EC Impact Assessment of RED II draft)

Scenario	Unit	REF16	CRA (Baseline)	euco27	euco30-30
RES deployment					
RES share 2030	%	24.3	27	27.1	30.0
Economic indicators					
Total system cost, ave. 21-30	€ bn.	1928	1953	1943	1956
Total system cost, ave. 21-50	€ bn.	2130	2275	2264	2257
GDP impact (compared to euco27)	% change to euco	?	-0.06%	0% (serves as reference)	+0.13%
Employment impact (compared to euco27)	% change to euco	?	-0.03%	0% (serves as reference)	+0.14%
Electricity price increase compared to 2010 (ave.)	%	18%	25%	21%	21%
Other indicators					
Supply security: Import dependency	%	57%	55%	54%	52%

Source: Data extracted from IA of RED II draft (EC, 2016)

- *Moderate dedicated support for renewables is required to reach the 2030 target of 27% renewables.*
- *Benchmarks of how to break down the EU-wide target to member states should be provided in order to encourage sufficiently ambitious pledges.*
- *Electricity markets and RES policy show important trade-offs. Market design and RES policy need to be coordinated.*
- *The draft 2030 RES frameworks allows for a divergence of national RES contributions but leads to further convergence of RES policy measures.*
- *The concept of an Energy Union can be developed further by supporting regional targets for renewables and grid infrastructure.*

Interested in further background information?

→ www.towards2030.eu

Final reporting is forthcoming by
end of February 2017

Thanks for your
attention!



Interested in the dialogue process?

→ <http://platform.towards2030.eu>



Dialogue on a RES
policy framework
for 2030



Issue Paper No. 2
Implementing the EU 2030
Climate and Energy Frame-
work – a closer look at re-
newables and opportunities
for an Energy Union

Authors:
Alexandra Manti, Marco Roggi, Thodoris D.
Gizelis, Frank-Joachim Behrens, TU Wien /
E.ON
Public Opinion, Centre for European Policy
Studies (CEPS)

8 December 2014

A report compiled within the European
RE project framework (2014) following
www.towards2030.eu

Intelligent Energy Europe, ACTRES,
Smart Agreement no. 102124/2012/01/0001

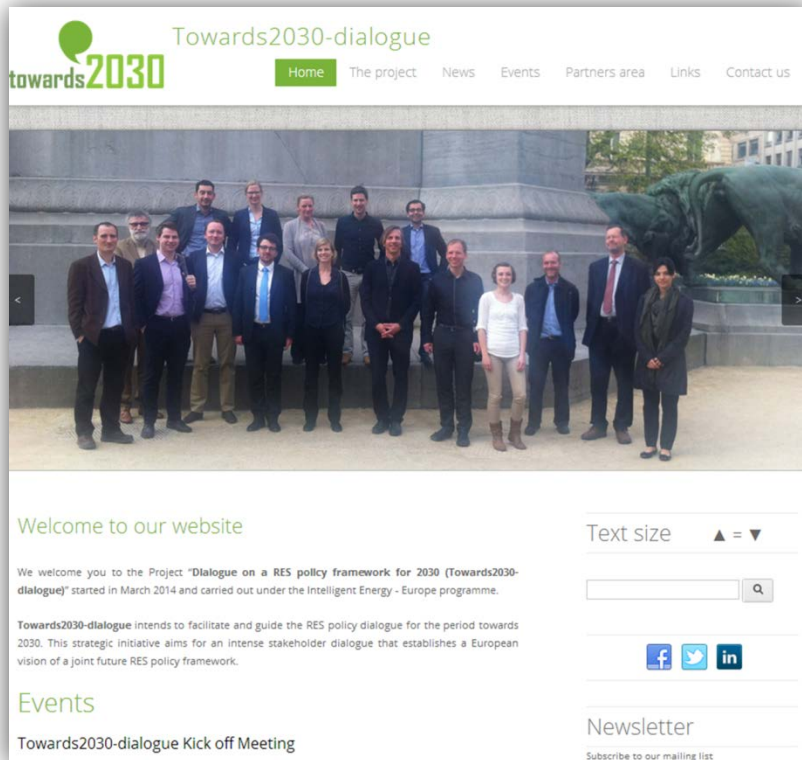


Co-funded by the Intelligent Energy Europe
Programme of the European Union

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