

# Design and impact of a harmonised policy for renewable electricity in Europe



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## Core objective of the project

- ◀ Look more closely beyond 2020 by *designing & evaluating feasible pathways of a harmonised European policy framework* to support RES in general & RES-E in particular
- ◀ Contribute to the forming of a *European vision of a joint future RES policy framework* in the mid- to long-term

## Aim of today

*This workshop* is to reflect on key draft findings on the possible interactions between RES support schemes and the general electricity markets, including the overarching question of how electricity markets need to be designed in the future to cope well with an increasing share of fluctuating RES.

In focus of forthcoming presentations:

- ◀ Possible/feasible **RES policy pathways for the period beyond 2020**
- ◀ Key findings on the **interaction of RES-Policies and electricity markets** highlighting assessment criteria and initial results

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Energy Economics Group (EEG)  
Vienna University of Technology

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## Underlying problems / opportunities

Aim of *this project* is to *look more closely* beyond 2020 **well in time!**

**beyond2020 tackles problems ...** With Directive 2009/28/EC the European Parliament and Council have laid the grounds for the policy framework for renewable energies until 2020 ...

◀... but the *debate on (early) harmonisation of RES support has not ended* which *creates uncertainty* among market actors.

◀Proposal for RES-E harmonisation have *focused mainly on quota systems / certificate trading*.

◀*Previous evaluations of harmonisation have often been too idealistic / theoretical* – specifically juridical feasibility and political practicability or risks arising from policy or market failures have been, if at all, only considered insufficiently.

**beyond2020 offers opportunities ...**

◀Assessment of *a broad set of policy options* for a harmonisation of RES(-E) support

◀*Evaluation* of policy proposals *from various viewpoints* - i.e. costs & benefits, strategic impacts, political practicability, juridical implementation, market integration aspects.

◀*Focus* on *beyond 2020*, but also *transition phase before 2020* tackled.

◀Contribution to the debate *whether a harmonisation of RES support appears beneficial at all*



## Main steps

◀ *Elaboration of feasible policy approaches for a harmonisation of RES support, involving various policy paths*

◀ *Impact assessment to analyse and contrast different instruments as well as corresponding design elements, involving ...*

◀ *a quantitative model-based analysis of future RES deployment and corresponding cost, expenditures & benefits based on the Green-X model*

◀ *a detailed qualitative analysis, focussing on strategic impacts, political practicability and guidelines for juridical implementation.*

◀ *Derivation of prerequisites for and trade-offs with the future European electricity market.*

◀ *The project will be embedded in an intense and interactive dissemination framework.*

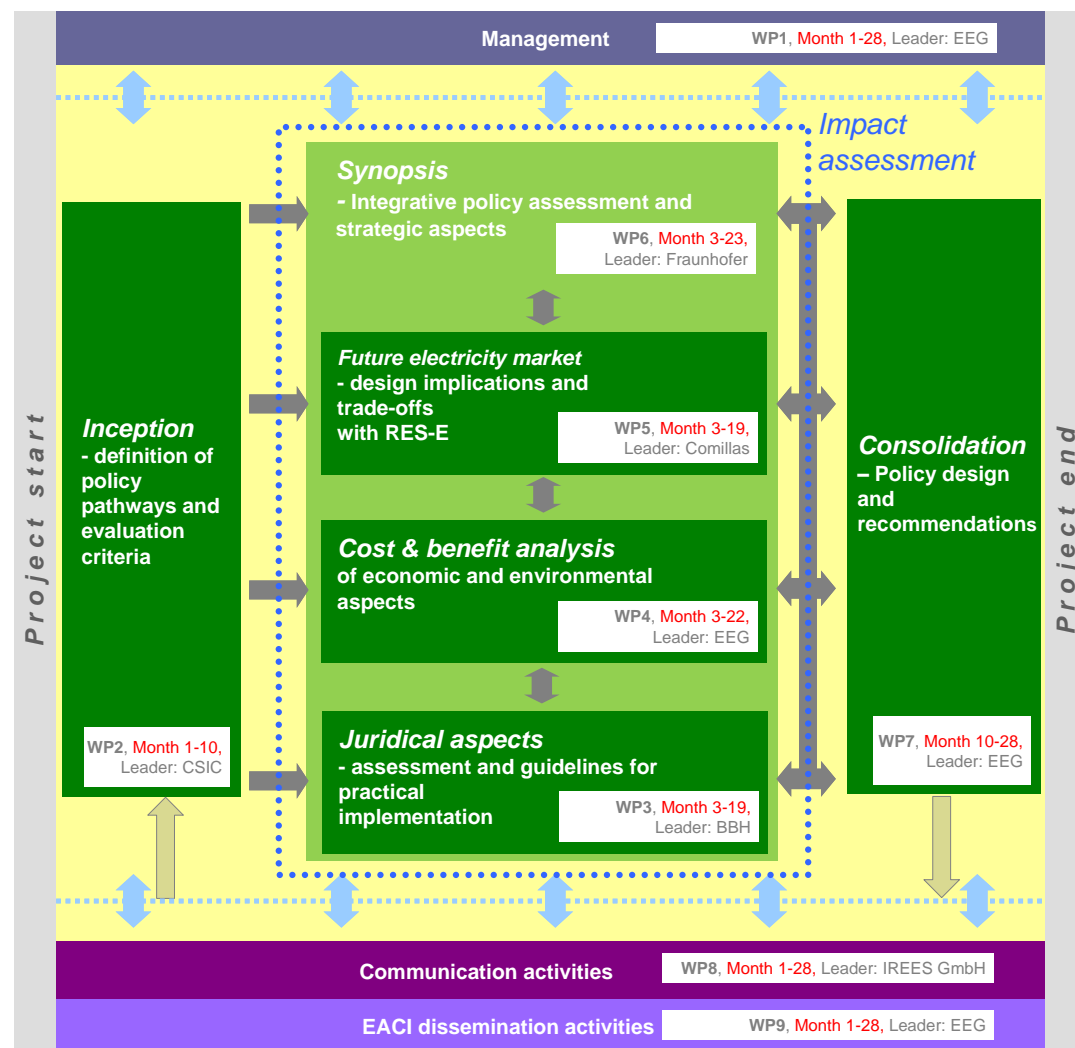


Figure: Flow chart of beyond2020

## Expected results

beyond2020 aims to provide **the scientific knowledge base for the design, evaluation and implementation** of policy proposals for a **harmonisation of RES support** in Europe.

*A broad set of results will be derived within beyond2020, available in form of comprehensive project reports, accomplished by brief summaries of key findings and presentations at workshops as well as via scientific papers ...*

Key outcomes of beyond2020 are:

- ◀ Review report on *interactions* between assessed *RES-E support* instruments and *electricity markets*
- ◀ Identification of *potential areas of conflict of a harmonised RES support scheme with European Union Law* as well as derivation of legal requirements and recommendations
- ◀ A *Multi Criteria Decision Analysis (MCDA)* tool used to evaluate the policy proposals
- ◀ **The final outcome** will be **a fine-tailored policy package**, offering:
  - ◀ A *concise representation of key outcomes* and a detailed comparison of *pros and cons of each policy pathway* (incl. quantitative and qualitative results)
  - ◀ Detailed *roadmaps for practical implementation* of each assessed policy pathway
  - ◀ Outline of a *legal draft for the implementation of key provisions* of two recommended policy pathways





## Partners

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	University of Oxford, United Kingdom
	Becker Büttner Held (BBH), Belgium
	Czech Technical University in Prague (CVUT in Prague), Czech Republic
	EGL Austria GmbH (EGL), Austria
	Ecofys b.v. (Ecofys), The Netherlands
	Comillas Universidad Pontificia Madrid (Comillas), Spain
	Institute for Resource Efficiency and Energy Strategies (IREES), Germany
	Energie Baden-Württemberg AG (EnBW), Germany

**Agenda** (morning session)

9:45-10:15	Policy criteria and possible policy pathways for harmonization Pablo del Rio, CSIC
10:15-10:45	Quantitative scenarios on Policy Pathways Andre Ortner, EEG
10:45-11:05	Discussion
11:05-11:30	Coffee Break
11:30-12:00	Impacts of RES policies on electricity market development, a first assessment Marian Klobasa, Fraunhofer ISI
12:00-12:30	Major aspects of RES policy related to grid regulation and practical experiences with grid operation. Miguel Duvison, REE
12:30-13:00	Electricity markets and RES-E integration by OMIE Juan Bogas, OMIE
13.00-13.30	Discussion
13.30-15.00	Lunch Break



## Agenda (afternoon session)

15:00-15:30	Infrastructure needs and grid management improvements, a first assessment Michel Rivier, Comillas
15:30 - 17:00	Roundtable: Market designs for an increased RES penetration and the impacts of policy on electricity markets Carlos Batlle, Comillas (Moderator) José López-Tafall, ACCIONA Juan José Alba, Endesa Heikki Willstedt, Asociación Empresarial Eólica Luis Jesús Sánchez de Tembleque, National Energy Commission
17:00-17:15	Closing remarks-up and closing round Pedro Linares, Comillas

