

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



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Core objective

- ◀ 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

Main outputs / results

beyond2020 aims to provide *the analytical base* for the *design, evaluation* and *implementation* of policy proposals for a *harmonisation of RES support* in Europe. The work includes *quantitative* (costs/benefits with Green-X) & *qualitative assessments*, focussing on *legal, strategic, political aspects* and *electricity market integration*.

◀ **The final outcome is a fine-tailored policy package**, offering:

- ◀ A *concise representation of key outcomes* and a detailed comparison of *pros and cons of each policy pathway*
- ◀ Detailed *roadmaps for practical implementation* of assessed policy pathways
- ◀ Outline of a *legal draft for the implementation of key provisions* of two recommended policy pathways

Project coordination:
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.

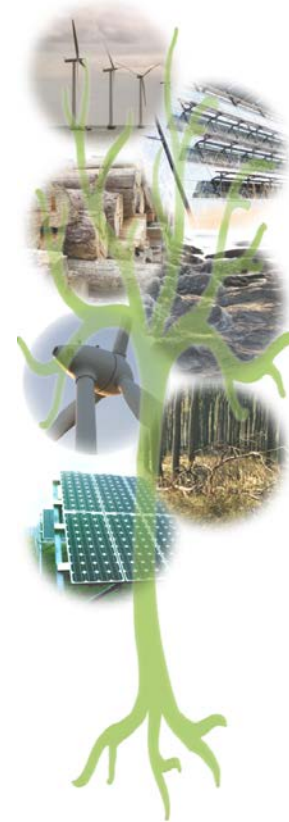
beyond2020 offers opportunities ...

◀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*



Key objectives

- ◀ Look more closely *beyond 2020* by *designing and evaluating feasible pathways of a harmonised European policy framework* to support RES in general and 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

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.

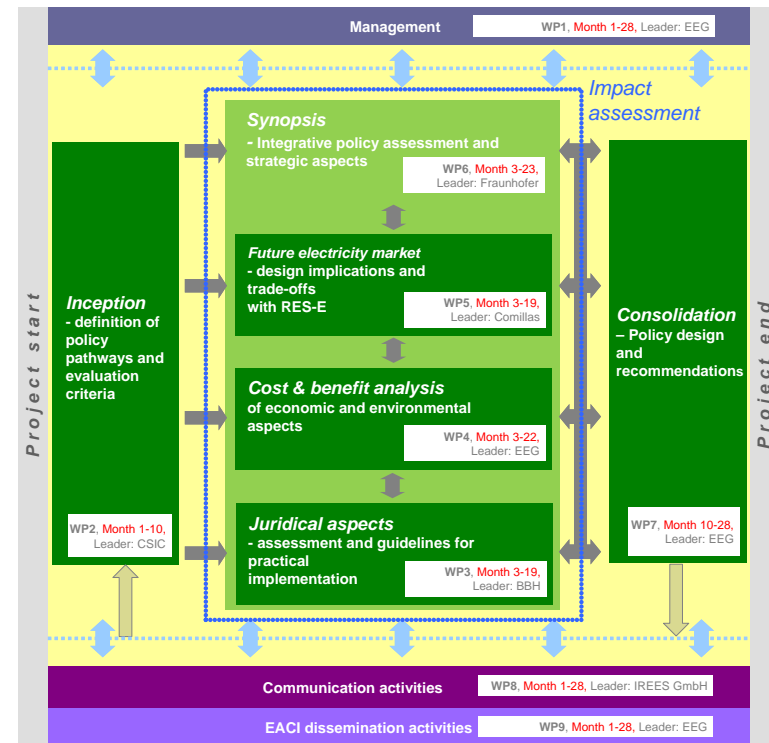


Figure: Flow chart of beyond2020



Results

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

A broad set of results were 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* – available at www.res-policy-beyond2020.eu
- ◀ Identification of *potential areas of conflict of a harmonized RES support scheme with European Union Law* as well as derivation of legal requirements and recommendations – available at www.res-policy-beyond2020.eu
- ◀ A *Multi Criteria Decision Analysis (MCDA)* tool used to evaluate the policy proposals
- ◀ **The final outcome** comprises a ***fine-tailored policy package***, offering:
 - ◀ A *concise representation of key outcomes* and a detailed comparison of *pros and cons of each policy pathway*
 - ◀ 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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