

Roadmap, Action Plans and Project Developer Guidelines

WP7

Ayla Uslu, Karina Veum, Matthew Halstead,
Francesco Dalla Longa

Energy Research Centre of the Netherlands (ECN)

*BETTER Project Meeting
Athens, 18-19 September 2013*

WP7 objectives



- Synthesise results of case studies and integrated assessment within three main deliverables:
 1. Roadmap
 2. Action plans
 3. Action-oriented guidelines
- Draw policy conclusions
- Identify/assess synergy between coopmex with 3rd countries and EU RES objectives (2020 and beyond)
- Capture the interest of project developers
- Identify key conditions for successful projects
- Create win-win-win circumstances (for EU, 3rd country, and project developer)

Outline



- WP7 progress
- Roadmap
- Action Plans
- Action-oriented guidelines

WP7 progress



- High-level documents capturing the main findings
- Early start in order to:
 - be up-to-date on ongoing work
 - ensure good flow of information
- Close contact with case studies:
 - Telcos
 - Memo on Roadmap and Action plans contents
 - Trigger feedback/comments/discussion

Roadmap

- Departure point
 - Current framework (RES in EU and 3rd countries)
- Destination
 - Situations where JPs are implemented
 - Identification of opportunities and prerequisites
 - ... but still difficult to define precisely at this point
- Pathway(s)
 - Overview of barriers and risks
 - Ways to overcome them (link to action-plans)
 - Policy recommendations
 - Draw from scenarios analyzed in case studies and WP6
 - Target group 1: EU policy makers
 - Target group 2: 3rd countries policy makers
 - Length < 40 pages
 - Will include regional subsections



Roadmap: questions & expected inputs



- Case studies to specify target groups
- How to best synthesise results from case studies into a roadmap?
 - Regional sub-sections or illustrative boxes?
 - What are/will be the scenarios addressed in each case study?
 - Can roadmap build on them?
- What vision(s) emerge from case studies? Can we generalize to an overall vision for the EU and 3rd countries for 2020, 2030 and 2050?

Action Plans

Materialize Roadmap vision(s) in terms of what, who, by when...



- Draw from barriers and SWOT analysis in case studies
- Per Region
- Max. 20 pages
- Target group: EU & 3rd country policy makers
- Timeline: up to 2050

Action Plans: questions & expected inputs

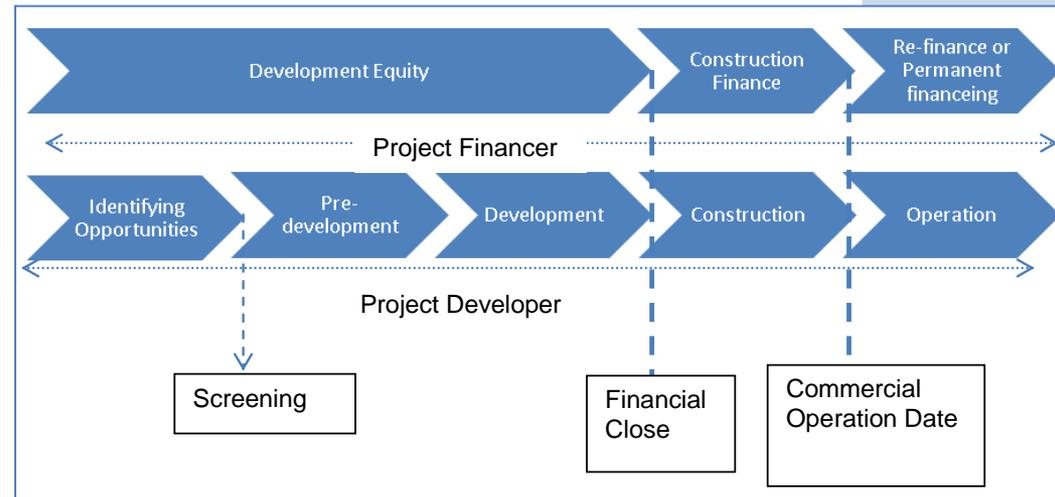


- Who should be the target audience?
- Case studies to answer who, what, by when questions?

A practical guide to project developers and finance providers



- Identify key questions that are relevant for project developers:
 - What's a joint project?
 - How to identify it?
 - How to implement it?
 - How to finance it?
- Discuss within consortium
- Discuss with selected stakeholders
- Identify suitable format



A practical guide to project developers and finance providers: questions & expected inputs



- Build on the EC guidelines document – main difference will be that we target project developers whereas guidelines will target the governments(?)
- Please provide us the contact list of project developers/finance providers from target countries and help us contacting them!!
- Initiate internal discussion: feedback on initial draft?



Thank you very much for your attention!

Roadmap - Outline



1. Introduction

- rational-why RES cooperation; why a ROADMAP
- Approach
- Stakeholder involvement
- Vision

2. Point of departure

- Framework (incl. goals/targets, economic incentives to promote RES, licensing and other relevant procedures)
- Current deployment and expansion, current costs and potentials
- Drivers for RES development & cooperation in developing RES
- Coordination and cooperation initiatives
- Highlight regional specificities / differences

Roadmap



3. Understanding the challenges to joint projects

- Challenges common to all case studies
- Challenges specific to case studies

4. Looking ahead- what are the opportunities

- Where are the cooperation opportunities
- What are the prerequisites for these opportunities to be realised
- Region specific time framed opportunities

5. Facilitating RES cooperation between the EU and Third countries (North Africa, Turkey and the Western Balkans)

- Key “ actions” and “ milestones”
 - What, when, by whom, how and where
 - This section will be the summary of action plans

Action Plans-Outline



1. Background
 - Rational & Approach
 - Objectives to be reached
2. Defining challenges (SWOT)?
3. Overcoming these challenges and materializing the opportunities
 - Actions up to 2030
 - What, who, how
 - Samples of win-win situations
 - Actions 2030-2050
 - What, who, how
 - Samples of win-win situations

DEVELOPING JOINT RENEWABLE ENERGY PROJECTS BETWEEN EU & NORTH AFRICA, WEST BALKANS AND TURKEY

A practical guide to project developers and finance provider



1. Introduction

- What is RE joint projects?
- Why joint projects?
- Why this guideline?

2. Understanding the concept of a joint project

- What is a joint project, how is it defined in the RED directive, what could it look like
- What are the requirements (e.g. physical transfer, there has to be an underlying gov-to-gov agreement), build on the commission's guidance document, it will be an important starting point
- What are the drivers
- What advantages compared to an “ordinary” project, why go to all the bother of doing more complex projects

3. Identifying the Opportunities

- What are the volumes of RES amounts targeted for transfer? Which technologies
- Do joint projects fit within the scope of the energy policy of the third country?
- Does the existing infrastructure favor interconnection and transmission of RE?
- Who are the key stakeholders to renewable energy joint projects?(local community, non-governmental organizations, etc. And how to communicate and build consensus among those stakeholders?
- What are the key country specific risks involved (corruption, transparency, changing political regime,)?
- What is the design of support mechanisms for joint projects and how do these interact with domestic support schemes?—Deliverable 2.4

4. Developing a joint project

➤ *Site*

- How land access issues differ from a regular renewable energy projects?
- How property ownership agreements can be settled within a joint project?
- How to deal with the issue that interconnection and transmission infrastructure crosses not only land of several owners but several countries?

➤ *Resources*

- Are there publically available source of high quality solar and wind data ?

➤ *Off-take*

- the off-take agreement a PPA or other agreements? that include the term of sale of renewable electricity among the project owner, the host country and the importing country.
- What are the necessary transmission access related agreements necessary to get the power to the power purchaser?
- Who involves in an off-take agreement ? Who approves the off-take agreement?

➤ *Permits*

- Which permits are required, which authorities are involved , how long would the permitting procedure take considering the joint projects are different than a regular renewable energy project?

➤ *Grid access and transmission*

- What are the grid access regulations? Is there a priority access to public transmission and distribution grids?
- What issues are there surrounding transmission from generation to interconnectors and through to the MS? Proof and tracking requirements?
- How can the infrastructure cost sharing be settled? (shallow connection charges, deep connection charges) ?

5. Financing joint projects

6. Implementing Joint Projects