



## REEEM Stakeholder Workshop series Energy transition pathways for the EU

October 6<sup>th</sup>, 2017

InnoEnergy, EU Business Unit, 7 rue Guimard, 1040 Brussels, Belgium

### Introduction

The REEEM project aims to gain understanding of the role and the [social, economic and environmental] impacts of technologies in the transition to a low-carbon and competitive EU energy system. To achieve the objective, the project is structured in two main activities:

- Definition of transition **Pathways** to a low-carbon EU energy system, intended as pictures of how the energy system could evolve and which technologies could play a key role. In practical terms, the pathways are collections of assumptions on drivers of the energy transition (general, policy-related, technology- and investment-related assumptions), within certain **Futures** (i.e. context, state of the world);
- Assessment of the role and impact of technologies and innovation within these States of the world and pathways, through a system-wide modelling framework (including long-term energy system, short-term energy dispatch, technology innovation, climate, emission dispersion, health damage, Life Cycle Assessment, ecosystem services, macroeconomic and behavioural models).

The whole modelling exercise depends on what transition pathways are considered and how they are framed. This calls for a tight collaboration with stakeholders from the energy sector, including policy-makers, industry and consumers.

10:00-10:10	Welcome and introduction (KTH)
10:10-10:25	Integrated SET-plan progress: current policy questions and perception on how models can answer them (Patrick Van Hove, DG RTD)
10:25-10:40	Questions
10:40-11:00	Formulation of energy transition pathways in REEEM (Francesco Gardumi, KTH)
11:00-11:15	Questions
11:15-11:45	<b>Work Session 1: Base pathway - Future</b> <ul style="list-style-type: none"><li>• Introduction by moderator (Ulrich Fahl, University of Stuttgart)</li><li>• Work in groups: setting the future (political, economic, social, environmental and global elements to be taken into account)</li></ul>



11:45-12:15	<b>Reporting back from Work Session 1 and discussion</b> (agreeing on the context of the reference pathway)
12:15-13:15	<b>Lunch break (buffet)</b>
13:15-13:45	<b>Work Session 2: Base pathway – qualitative and quantitative assumptions</b> <ul style="list-style-type: none"><li>• Work in groups: proposing qualitative and quantitative assumptions (general, policy related, technology related and investment related)</li></ul>
13:45-14:15	<b>Reporting back from Work Session 2 and discussion</b>
14:15-14:45	<b>Work Session 3: Deviations from base pathway and disruptions - Future</b> <ul style="list-style-type: none"><li>• Introduction by moderator (Ilkka Keppo and Steve Pye, UCL)</li><li>• Work in groups: modifying the Future defined in Work Session 1</li></ul>
14:45-15:00	<b>Reporting back from Work Session 3 and discussion</b>
15:00-15:15	<b>Coffee break</b>
15:15-15:45	<b>Work Session 4: Deviations from base pathway and disruptions – qualitative and quantitative assumptions</b> <ul style="list-style-type: none"><li>• Work in groups: proposing qualitative and quantitative assumptions for the modified context (general, policy related, technology related and investment related)</li></ul>
15:45-16:15	<b>Reporting back from Work Session 4 and discussion</b>
16:15-16:30	<b>Wrap-up and conclusion</b>

## Organisation of the work sessions

In each work session, the participants will work in groups of 4-5 people and the discussions will be guided according to the format of a WARP Conference (<https://www.thewire.ch/en/warp-conference>). Each group will be formed by both participants from the REEEM project and not. One participant per group, possibly not from the REEEM project, will report back after the end of every Work Session.