

2nd WORKSHOP ANNOUNCEMENT and CALL FOR CONTRIBUTIONS

Technological Learning in the Energy Sector

*Implementation of experience curves in energy system models
for future cost estimations and environmental impact assessment*

New technologies -- such as photovoltaics, electric vehicles, heat pumps, and batteries -- are entering the energy markets and systems at unprecedented rates. Questions arise such as: when will these technologies achieve which levels of maturity? And at what cost levels and which points in time can they be competitive in which market segments?

Experience curves are one possibility to assess the future cost of technologies. The REFLEX project is devising experience curves for a large number of energy technologies. These technologies include traditional and upcoming energy supply technologies, but also new technologies that enable high levels of flexibility in electricity grids. The devised experience curves will be implemented in a variety of energy systems models, covering various sectors such as energy supply and demand, transportation, and heat.

The REFLEX consortium is hosting an expert workshop on November 8th, where state-of-the-art experience curves will be presented and methodological issues of implementing experience curves in energy systems models will be addressed. Furthermore, the workshop will analyse the application of experience curves for prospective environmental impact assessment.

The REFLEX consortium is kindly inviting you to attend our workshop. Registration is free of charge. Please register via the link below before October 15th, 2017.

We are furthermore calling for experts in the field of experience curves, energy system modelling and related areas to contribute by means of oral presentations. If you would like to contribute, register via the link below before October 1st, 2017.

Register here:

<https://goo.gl/forms/bXti1rnBKSTsrp2t2>

Date

Wednesday November 8th 2017
from 09:00h - 17:00h

(on Tuesday November 7th at 19:30 we host a social dinner at own expense)

Location

Karlsruhe, Germany
(for more information see next page)

Programme

Morning Plenary talks

- *Experience Curves for Electricity Storage*
Oliver Schmidt – Imperial College London
- *Experience Curves for Environmental Impact*
Atse Louwen, Utrecht University
- *Experience Curves of Energy Efficiency and DSM*
TEP Energy GmbH
- *Implementing experience curves in energy demand models and specific application in the ASTRA model*
Tobias Fleiter & Stephanie Heitel, Fraunhofer ISI
- *(Title t.b.d.)*
Uwe Remme, IEA - Energy Technology Perspectives
- More speakers to be announced

Afternoon Parallel discussion sessions

- Experience Curves: methodology and applications
- Implementation of Experience Curves in energy system models
- Experience Curves for future environmental impact assessment

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Practical information

Location

Karlsruhe Institute of Technology (KIT)
Institute for Technology Assessment and
Systems Analysis (ITAS)

Karlstraße 11
76133 Karlsruhe
Germany

Nearby hotels (< 5 min. walking)

[Hotel Kübler](#) (from €74 incl. breakfast)

[Berliner Hof](#) (from €77 incl. breakfast)

Food and drinks

Lunch and coffee will be provided free of charge.

On the evening of November 7th, an informal dinner will be organised by the REFLEX consortium at 19:30h at a nearby location in Karlsruhe. Participants of the workshop are invited to join this dinner, at their own expense. Please indicate when registering if you want to join this dinner. Details will be announced after October 15th.

