

Final report

1.1 Project details

Project title	EUDP10-II Ledelse af IEA Experts Group on R&D Priority setting and Evaluation
Project identification (program abbrev. and file)	EUDP-2011-2013 64010-0421
Name of the programme which has funded the project	EUDP
Project managing company/institution (name and address)	DTU Management Engineering Produktionstorvet, byg 424, 2800 Kgs. Lyngby
Project partners	DTU
CVR (central business register)	DK 30 06 09 46
Date for submission	March 2015

1.2 Short description of project objective and results

Since its inception in 1994, this IEA Experts' Group has served as a forum for collaboration and exchange of information on topics such as energy R&D trends in governments, R&D trends in industry, set of criteria for national and international R&D priority setting and methodologies for evaluating R&D programmes.

Senior experts from 19 countries and the EU engaged in national and international RD&D efforts have collaborated on current issues through international workshops, information exchange networking and outreach. The results and recommendations have supported R&D managers at different levels – industry, national and international levels – on information, knowledge sharing and good practises on design, implementation and evaluation of R&D efforts in general. Further, results support CERT, have fed into IEA analysis and provide a global perspective on national RD&D efforts.

The work has been structured along two annual workshops followed by a Steering Group meeting

The Danish leadership of the Experts' Group has assured:

- Dialogue with Danish stakeholders, in particular the Danish Energy Authority/EUDP, Energinet.dk and the energy sector on relevant topics to be included in the work programme and activities.
- Invitation to relevant Danish experts from authorities, research institutes and industry to give workshop presentations and participate in workshop discussions.
- Dissemination of the results and recommendations from the Group activities to relevant Danish stakeholders.

Projektet har sikret dansk deltagelse og ledelse af IEA ekspert gruppe vedr. F&U prioritering og evaluering og derved bidraget til at skabe en international arena for danske aktørers samarbejde og videndeling vedr. strategiske energiteknologier, forsknings-, udviklings- og demonstrationsstrategier og programmer. Ekspertgruppen blev dannet i 1994 for at fremme udvikling af metodiske og analytiske tilgange til strategiske energi teknologiske analyser, F&U prioritering samt vurdering af F&U nytten.

Senior eksperter fra 19 lande samt EU involveret i nationale og internationale F&U programmer har samarbejdet om centrale F&U problematikker gennem internationale workshops, informationsudveksling og kommunikation. Resultaterne og anbefalingerne har støttet F&U

operatører på forskellige niveauer og sektorer – industri, nationalt og internationalt niveau – gennem information, videnuddeling og gode praktiske eksempler på design, implementering og evaluering af F&U generelt. Desuden anvendes resultaterne af CERT, indgår i IEA analyser og angiver et globalt perspektiv på nationale F&U aktiviteter.

Arbejdet har været struktureret omkring to årlige to dages workshops, som er efterfulgt af ExCo møde.

Den danske ledelse i EGRD har sikret:

- Dialog med danske interessenter, især Energistyrelsen/EUDP, energinet.dk og energisektoren vedr. relevante emner der skal inkluderes i arbejdsprogrammet.
- Invitation til relevante danske eksperter fra myndigheder, forskningsinstitutioner og industri vedr indlæg og deltagelse i workshop.
- Formidling af resultater og anbefalinger fra gruppens arbejde til relevante danske interessenter

1.3 Executive summary

A total of 8 workshops have been realised, fulfilling the CERT approved work programmes. These are:

Workshop on the Transition to a Low-carbon society: Socio-economic considerations, Baden, Austria, 24 – 25 May, 2011.

Workshop on Developing Metrics and Assessing Progress Towards a Clean Energy Economy, IEA Paris, 16-17 November 2011.

Workshop on Developments in Energy Education: Reducing boundaries, DTU, 9-10 May, 2012.

Workshop on Energy R&D need of the emerging economies of Asia, Beijing, 28-29 November 2012.

Workshop on Mobility: Technology Priorities and Strategic Urban Planning, VTT, Helsinki, 22-23 May 2013.

Workshop on RD&D Needs for Energy System, Climate Preparedness and Resilience, Utrecht, 13-14 November 2013.

Workshop on Modelling and Analyses in R&D Priority-setting and Innovation, IEA Paris, 23-24 April 2014

Workshop on The Role of Storage in Energy System Flexibility, Bundesministerium für Wirtschaft, Berlin, 22-23 October 2014

Under preparation: Workshop on Will a smarter grid lead to smarter end users – or vice versa, 3 – 4 June 2015, Oslo.

1.4 Project objectives

The project develops international state of the art knowledge on energy technology policies, strategies and mechanisms and thereby contributes to the Danish knowledge base on energy technology policies and actions.

1.5 Project results and dissemination of results

Workshop presentations are uploaded on the IEA workshop pages and the overall workshop content and discussions are summarised in brief workshop reports. In some cases, comprehensive reports have been made and published as IEA reports, i.e. the Emerging economies workshop and the Energy System, Climate Preparedness and Resilience workshop. The Danish participant has distributed these reports and workshop findings to relevant experts in the Danish energy sector.

1.6 Utilization of project results

During the preparation of workshops, the Danish participant is in dialogue with Danish stakeholders in the Danish energy sector to assure 1) Danish contributions and experiences and 2) Danish speakers and participants.

Indirectly, workshop results can be used in multiple settings, in particular in Danish energy research, development and demonstration in a global perspective. Special focus is on new

energy technologies and the framework conditions under which they are developed so that they can contribute to a secure, sustainable and affordable energy system in Denmark and elsewhere.

1.7 Project conclusion and perspective

The project including one year extension has been concluded successfully. A total of eight workshops have been realised, a new work programme has been made for 2014-2016 and the work continues with two annual workshops. The Danish participant is elected vice chair for this period and has recently received a new EUDP grant for 2015-2017. This assures that Danish participation in this esteemed international network continues to the benefit of the Danish energy sector, not least for those involved in energy R&D, but also to the benefit of the international community who appreciates the Danish best practises and successes in developing a secure and sustainable energy system with a high share of intermittent energy resources.

Relevant links

Link to latest workshop in Oslo: <http://www.iea.org/workshop/egr-d-will-a-smarter-grid-lead-to-smarter-end-users---or-vice-versa.html>

(the guidelines should be deleted – they should NOT be included in the final report)

GUIDELINES FOR FINAL REPORT

General

Depending of project type, project size and project complexity the **number of pages** in the final report may vary. For smaller **demonstration** projects the final report normally should not be more than 20 pages plus possible relevant appendices. For **research and development** projects the final report should not be more than 50 pages.

The final report will be used for dissemination purposes and the information given in the final report should be suitable for dissemination, cf. point 1.4.

1.2 Short description of project objective and results

The short description should be in two versions:

- an *English version* and
- a *Danish version*.

Each version should be brief, not more than 600 to 800 characters.

1.3 Executive summary

Brief summary of the project and its results and expected utilisation of project results.

1.4 Project objectives

Description of the project objectives and the implementation of the project. How did the project evolve? Describe the risks associated with the project. Did the project implementation develop as foreseen and according to milestones agreed upon? Did the project experience problems not expected?)

1.5 Project results and dissemination of results

Description of main activities and technical results in the project as well as description of commercial results and expectations of the project.

Did the project succeed in realising its objectives? If not, why? Did the project give answer to the problem stated in the project proposal which the funding has been based on. Did the project produce results not expected?

Did the project so far result in increased turnover, exports, employment? Do the project partners expect that the project result in increased turnover, exports, employment?

How has project results been disseminated?

1.6 Utilization of project results

How do the project participants expect to utilize the results obtained in the project? Do any of the project participants expect to utilize the project results - commercially or otherwise? Which commercial activities and marketing results do you plan for? Has your business plan been updated? Or a new business plan produced? What future context is the end results expected to be part of, e.g. as part of another prod-

uct, as the main product or as part of further development and demonstration?
What is the market potential? Competition?

Do project participants expect to take out patents?

How do project results contribute to realize energy policy objectives?

Have results been transferred to other institutions after project completion? If Ph.D.s have been part of the project, it must be described how the results from the project are used in teaching and other dissemination activities

1.7 Project conclusion and perspective

State the conclusions made in the project. Try to put into perspective how the project results may influence future development.

Annex

Add links to relevant documents, publications, home pages etc.