INTERNATIONAL ENERGY AGENCY

IMPLEMENTING AGREEMENT

FOR

RENEWABLE ENERGY TECHNOLOGY DEPLOYMENT

ANNUAL REPORT 2012

PREPARED BY

THE OPERATING AGENT

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MARCH 2013

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1 Introduction

The Annual Report for the Implementing Agreement on Renewable Energy Technology Deployment (IEA-RETD) presents an overview of the project activities undertaken within the IEA-RETD in a given year, and their current status. The Annual Report thus provides a reference for the Executive Committee (ExCo) and the International Energy Agency to follow the progress of the IEA-RETD in developing projects and activities in order to achieve the objectives of the Implementing Agreement.

In 2010 the first term of the IEA-RETD ended. Following an evaluation of this first term, and a positive advice by the IEA Renewable Energy Working Party (REWP), the IEA Committee on Energy Research and Technology (CERT), at its meeting on 9-10 June 2010, approved the extension of the Implementing Agreement for Renewable Energy Technology Deployment for the period 15 September 2010 to 14 September 2015. Later this date was changed to 28 February 2010 (CERT meeting on 3-4 November 2010).

Therefore this Annual Report 2012 should be read in conjunction with the IEA-RETD End-of-Term report 2005-2010 and Strategic Plan 2010-2015. The IEA-RETD Strategic Plan 2010-2015 constitutes the overall strategic framework for the IEA-RETD work in its second term, while the Annual Report describes the actual projects and activities of a specific year, based on a Work Programme that is updated in Spring and Autumn of each year. This distinction allows the ExCo to react quickly to policy trends and changes and thereby maintain the relevance and contemporary nature of the projects in particular, and the IEA-RETD Implementing Agreement in general. At the end of each year the completed Work Programme forms the basis for the Annual Report.

Chapter 2 addresses the organisational aspects of the IEA-RETD. Chapter 3 gives a status overview of the IEA-RETD project activities, Chapter 4 addresses the communication and outreach activities, and Chapter 5 presents a financial overview of the Common Fund.

This Annual Report is a factual presentation of activities engaged by IEA-RETD in 2012. In 2013 the Mid-Term Report (MTR) will be published. This MTR will include an assessment of the progress made during the first half of the second term of IEA-RETD.

2 What is IEA-RETD?

IEA-RETD stands for “Renewable Energy Technology Deployment”. IEA-RETD is a policy-focused, technology cross-cutting platform that brings together the experience and best practices of some of the world’s leading countries in renewable energy with the expertise of renowned consulting firms and academia. IEA-RETD is a so-called Implementing Agreement, i.e. a platform where a number of countries cooperate under the framework of the International Energy Agency (IEA).

The mission of IEA-RETD is to accelerate the large-scale deployment of renewable energies. This is achieved by providing information and recommendations on renewable energy (RE) technology cross-cutting issues to policy makers and other stakeholders. To this end, IEA-RETD commissions annually 5-7 studies performed by consultancies and academia. The reports and handbooks are publicly and available on the IEA-RETD’s website at www.iea-retd.org. In addition, IEA-RETD organises at least two workshops per year and presents at national and international events.

IEA-RETD Vision

Significantly higher utilisation of renewable energy technologies will result from international cooperation encouraging more effective, efficient and rapid deployment.

IEA-RETD Mission Statement

The IEA-RETD will act as a catalyst for an increased rate of renewable energy technologies deployment,

- by proposing solutions and options to maximise (1) the share of renewable energy technologies in the global, regional, and national energy systems, and (2) the contribution renewables can make to climate change mitigation, security of energy supply and economic growth, and
- by providing recommendations on how to overcome barriers and means for significant increased renewable energy deployment.

IEA-RETD Objectives

The IEA-RETD objectives are to provide ways and means for an accelerated deployment and commercialisation of renewable energy, by:

1. Empowering energy policy makers and energy market actors through the provision of information and tools:
   - to make transparent and demonstrate the impact of renewable energy action and inaction
   - to facilitate and show the best practice measures
   - to provide solutions for levelling the playing field between renewable energy and other energy technologies
   - to make transparent the market frameworks for renewable energy, including infrastructure and cross-border trade
2. Demonstrating the benefits of involving private and public stakeholders in the accelerated deployment of renewable energy technologies,
   - by enhancing stakeholder dialogue
   - by implementing effective communication and outreach activities

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What is the value-add of IEA-RETD?

IEA-RETD is …

- **… topical and flexible:**
  IEA-RETD moves fast to identify the most pressing issues and barriers to large-scale deployment and wide-spread use of renewable energy; and it finds innovative solutions to address them;
- **…technology cross-cutting:**
  IEA-RETD is looking for solutions across sectors and technologies. All renewable energies and enabling technologies are seen as important to bridge the gap to a future energy system;
- **…impartial:**
  IEA-RETD develops its own fact-based standpoint and, as such contributes to an unbiased view of the most recent issues, challenges and opportunities facing further deployment or renewable energies;
- **…well connected and recognised:**
  IEA-RETD reports are widely acknowledged by policy makers and industry; its activities are undertaken in close collaboration with the IEA Secretariat, other IEA Implementing Agreements, IRENA, REN21, consultancy firms, academia, etc.

Why should a country support IEA-RETD?

With a reasonable investment a member country can…

- **… influence and impact decisions:**
  IEA-RETD projects deliver results that support the national policy and program making process. In addition member countries can influence the international political scene by providing arguments and proof about RE technologies and potentials.
- **… learn best practices from other member countries:**
  IEA-RETD projects give policy recommendations based on best practices of the world's most ambitious countries. Hence, valuable information is provided that otherwise would have to be collected by a member country alone.
- **… share costs:**
  A member country can propose topics that are of special interest for itself. Since issues are oftentimes comparable, it is usually supported by other countries. IEA-RETD will then undertake a project giving benefit to all countries through the leverage created by the IEA-RETD's collaborative approach. The result gives member countries timely access to information relevant to policy development and implementation processes.
- **… promote national expertise:**
  IEA-RETD project results are shared at various international and national events and thus the best practices acquired from IEA-RETD collective experience can be applied to each member country's national context.
- **… tap a large network:**
  IEA-RETD provides an extensive network of policy makers, companies, associations, universities and non-governmental organisations.

IEA-RETD Members

IEA-RETD exists since 2005 and had 9 member countries in 2012: Canada, Denmark, France, Germany, Japan, Ireland, Netherlands, Norway, and United Kingdom. They are typically represented through their ministries for energy, environment, natural resources or related national agencies.

The IEA-RETD is chaired by Hans-Jørgen Koch (DK). The Vice Chairs are Ingrid Slungaard-Myklebust (Norway), Bernhard Milow (Germany) and Matthew Kennedy (Ireland).

Operating Agent

The Stichting Foundation Renewable Energy Technology Deployment ('RETD Foundation') is the formal Operating Agent and Common Fund Manager for the Implementing Agreement. At the end of 2012, its Board constitutes of Ingrid Slungaard-Myklebust (NO as chair), Bernhard Milow (DE) as treasurer, and Matthew Kennedy (IE) as secretary. Day to day activities are seconded to Ecofys Netherlands b.v., with David de Jager as acting Operating Agent and Director of the RETD Foundation, with support from Denise Rossen (project assistant), Sascha van Rooijen (project management), Fieke Geurts (project management), Rolf de Vos (journalist), and from Kristian Petrick (project management, All Green Energies).

ExCo meetings

In 2012 ExCo met twice in the UK (London) and Canada (Ottawa). The IEA-RETD vice-chairs and Operating Agent met four times to prepare ExCo meetings and at IEA-RETD workshops and events.

ExCo	Venue	Date	Related event
15	UK, London	18-19 April 2012	IEA-RETD workshop, 17 April 2012
16	Canada, Ottawa	25-26 September 2012	Workshop "Capitalizing on Renewables: Short- and Medium-term Opportunities and Economic & Employment Benefits", Ottawa, Ontario, Canada, 27 September 2012

3 Project activities

The IEA-RETD project activities are structured according to the thematic areas of the Strategic Plan 2010-2015:

Thematic areas in the IEA-RETD activity programme 2010-2015

1. Overarching and cross-cutting issues addressing the role of renewable energy in climate change mitigation, securing the energy supply, and economic development.
   1.1 Quantifying the benefits of RETs
   1.2 Integrating RETs across sectors: removing institutional inertia
2. Key challenges and opportunities for large-scale RE deployment in the different energy sectors:
   2.1 Electricity sector
   2.2 Heating and cooling sectors
   2.3 Transport sector

Overview of project activities in 2012

	Short title / acronym	Title	Status end of 2012
1	**Overarching and cross-cutting issues**		
1.1	**Quantifying the benefits of RETs**		
	EID-EMPLOY	Employment and innovation through renewable energies	Completed
	RE-SUPPLY	Securing the supply chain for renewable energy	Completed
	READy	READy publication and ACTION star	Completed
	EMPLOY2- IRENA publication	Methodology Chapter IRENA Renewable Energy Jobs 2013 Report	Ongoing
	RE-COST1	'True' costs for fossil, nuclear and renewable energy	Ongoing – close to completion
	RE-InnovationChain	Policies and incentives along the innovation chain	Ongoing (start-up)
	RE-ValuePolicies	Policy instruments to support renewable energy industrial value chain development	Ongoing
1.2	Integrating RETs across sectors: removing institutional inertia		
	FINANCE-RE 2	Follow-up of report and workshop	Ongoing (internal project)
	RE-COMMUNICATE	Communication techniques and experiences to communicate about renewable energies	Ongoing – close to completion
2	**Key challenges and opportunities for large-scale RE deployment**		
2.1	Electricity sector		
	OPTIMUM	Optimised use of renewable energy through improved system design	Ongoing – close to completion
	RES-E-NEXT	Next generation of RES-E policy instruments	Ongoing – close to completion
	RE-INTEGRATION	Integrating renewable energy - conditions, options and characteristics	Ongoing (start-up)
	RE-PROSUMERS	Impact of large-scale deployment of decentralised PV by 'prosumers' on electricity systems, markets and regulations	Ongoing (start-up)

	Short title / acronym	Title	Status end of 2012
2.2	Heating and cooling sectors		
	none		
2.3	Transport sector		
	none		

In 2012, the IEA-RETD managed 13 project activities. The Operating Agent has concentrated on this task – supported by ExCo members – by preparing the Terms of Reference and tender procedures, and management of the project cycle. Five new projects were started, nine projects were completed. The projects cover all IEA-RETD thematic areas, with an emphasis on theme 2.1 (electricity sector) of projects initiated during 2012.

The IEA-RETD uses in most cases an open call-for-tender procedure in combination with a notification of this procedure to selected candidate Implementing Bodies (IB). The Operating Agent also uses other channels to bring the open calls under the attention of possible Implementing Bodies, via its website and the subscribers to the IEA-RETD tender mailing list, and via public mailing lists (notably ENERGY-L).

At Exco 12 a new procedure has been agreed and incorporated in the contracts with IBs: It will allow the Project Steering Group (PSG) to take a go-/no go decision after the first important milestone is reached.

3.1 Closed project activities (status end of 2012)

Theme 1: Overarching and cross-cutting issues

EMPLOY – Employment and innovation through renewable energies

PSG Chair: Ulrike Lehr acting on behalf of Bernhard Milow (GE)
Zitouni Ould-Dada (UK), Michael Paunescu (CA), Hugo Lucas / Rabia Ferroukhi (IRENA)

IB: Fraunhofer ISI, Rütter+Partner, and Technical University Vienna Technology, EEG

Objective: The importance of renewable energy deployment is currently growing, and the expectation is that this also will continue on the long term perspective. As a consequence there is a strong need for reliable insight in the employment benefits from renewable energy. The current knowledge on the economic impact on the economy of renewable energy technologies is more or less derived on an ad hoc basis. The EMPLOY project aims to facilitate a more structural approach, which will contribute to reliable insights of employment effects from renewable energy deployment.

RE-SUPPLY- Securing the supply chain for renewable energy

PSG Chair: Michael Paunescu (CA)

PSG Other: Georgina Grenon (FR), Henriette Schweizerhof (DE), Stefan Nowak (IEA-PVPS), and Jim Ahlgrimm / Cash Fitzpatrick (IEA Wind)

IB: E4tech (UK) and Avalon (India)

Objective: The supply chain of renewable energy technologies is one of the critical factors in the successful pursuit of large-scale deployment of renewables. It may face constraints as the demand for RET increases. The study addresses the following overall research question: Which elements of the supply chains are presently or can evolve as major challenges in furthering large scale deployment of on- and offshore wind and solar photovoltaic? The objective of the research was twofold:

1. Review and assess the available literature on supply chain bottlenecks of large-scale deployment of wind (on- and offshore) and solar photovoltaic technologies (Phase 1); and
2. Provide in-depth, evidence-based analysis of the most critical supply chain constraints (Phase 2).

READy publication - Renewable Energy Action on Deployment

PSG Chair: RETD Co-chairs

PSG: Hans Jørgen Koch (DK), Bernhard Milow (DE), Matthew Kennedy (IE), Ingrid Slungaard Myklebust (NO)

IB: Ecofys Netherlands

Objective: Preparation of a book, showcasing the evidence compiled in RETD projects, on the need of an accelerated deployment of renewable energy, and the policy options available to make this happen. Broad distribution of the book.

3.2 Ongoing and approved project activities (status end 2012)

Theme 1: Overarching and cross-cutting issues

(1.1) Quantifying the benefits of RETs

EMPLOY2- IRENA publication - Methodology Chapter IRENA Renewable Energy Jobs 2013 Report

PSG Chair: Bernhard Milow (GE)

IB: Fraunhofer ISI and GWS

Objective: Preparation of chapter in RE Jobs publication 2013 of IRENA, based on the IEA-RETD on employment 'EMPLOY'

RE-COST1 Study - Cost and Business Case Comparisons of renewable vs. non-renewable technologies

PSG Chair: Ingrid Slungaard Myklebust (NO)

PSG: Georgina Grenon (FR), Michael Paunescu (CA), Henriette Schweizerhof (DE), Kaoru Yamaguchi (JP), Simon Müller/Michael Waldron (IEA RED)

IB: Prysma SL, Spain.

Objective: The main objectives of the study are to investigate the costs and revenue streams of different RE and non-RE technologies in selected countries; to explain and substantiate the decision making process of energy utilities and investors when it comes to the choice of investments in power generation capacities based on renewable or conventional technologies; and to derive policy recommendations that will direct decisions towards investments in RET.

Webpage: http://iea-retd.org/re-cost-1

RE-ASSUME – Discussion of Assumptions in Energy Scenarios

PSG Chair: Matthew Kennedy (IE)

PSG: Dolf Gielen (IRENA), George Giannakidis (ETSAP OA)

IB: NREL

Objective: The objective of this project is to highlight crucial assumptions and methodological issues of energy scenarios that need to be critically considered when deriving conclusions for policy makers. While it is the aim to give powerful and interesting examples that can be well communicated, it is not supposed to be a comprehensive and detailed analysis of existing scenarios and their assumptions. The project results should contribute to a better understanding of the limitations of current energy scenarios, especially with respect to renewable energy, and foster the critical discussion on their results.

Webpage: http://iea-retd.org/re-assume

RE-Innovation Chain

PSG Chair: Rune Holmen (NO) - formal chair
Lena Pedersen (NO) - daily chair

PSG: Lene Mostue (NO, Energi21), Foppe de Haan (NL, 1 vacancy

IB: tbd

Objective: The overall objective of the project is to provide state of the art recommendations for support policies for each step of the innovation chain for the more emerging technologies (such as wave and tidal, offshore wind, CSP, low temperature power generation), which can be applied in the period of time up to 5 to 10 years from now, by comparing and assessing successful support policies given to the currently relatively mature renewable energy technologies (on-shore wind, hydropower, solar PV) in different stages and positions along the learning curve, and by assessing the current market dynamics and the needs of the current market players such as venture capitalists and technology developers.Status: The Terms of Reference is ready. The publication of the tender was scheduled for February 15th 2013. It was decided to wait with the publication until the PSG has been completed.

Status: **Ready to tender**.

RE-ValuePolicies

PSG Chair: Henriette Schweizerhof (DE)

PSG: Georgina Grenon (FR), Michael Paunescu (chair, CA), Rabia Ferroukhi (IRENA), Sonja Röder (DE, passive)

IB: GWS (Ulrike Lehr) and Fraunhofer ISI

Objective: The overall objective of the project is to assess a basket of cross-cutting policy instruments (innovation, labour, industrial, finance, export, etc.) which could complement the currently used set of RE policies, in order to enable countries to maximise the economic benefits of the further development of the RE industry.

Status: **Ongoing**.

Webpage: http://iea-retd.org/re-valuepolicies

(1.2) Integrating RETs across sectors: removing institutional inertia

RE-COMMUNICATE

PSG Chair: T.b.d. – OA for the moment (supported by Henriette Schweizerhof)

PSG: Ingrid Slungaard Myklebust (NO), Henriette Schweizerhof (DE), Jan Geiss (EUFORES), Christine Lins (REN21)

IB: IISD, FÖS, Collings&Monney

Objective: The objective of this scoping study is to provide ideas and techniques on how the benefits of renewable energies can be better communicated to and by policy makers, decision makers and – where appropriate – other stakeholders. The discussion triggered by the project could potentially later-on lead to a more comprehensive approach of a communication strategy for RE. It will also help to give inspiration and tools on how to better counter negative messages regarding RE.

Status: **Ongoing.**

Webpage: http://iea-retd.org/archives/ongoing/re-communicate

Finance-RE 2

PSG Chair: Matthew Kennedy (IR)

PSG: Henriette Schweizerhof (DE), Rune Holmen (NO)

IB: tbd

Objective: Continue the dialogue with the finance sector, following the London FINANCE RE workshop in April 2012. For effective engagement with the finance sector new pieces of research might be tendered.

Webpage: http://iea-retd.org/finance-re

Theme 2: Key challenges and opportunities for large-scale RE deployment in various sectors

OPTIMUM – Optimised use of renewable energy through improved system design

PSG Chair: Operating Agent

IB: Mott McDonald

Objective: Prepare a vision document that should provide ideas and inspiration to rethink the energy system design by harvesting the synergies in key energy demand sectors. This includes:

- Demonstrating the opportunities of a sector cross-cutting system's approach in harvesting the large potential of renewable energy.
- Highlighting the challenges in both energy system and market design, as well as in co-evolution of the different sectors (energy, transport, industry, households et cetera).
- Providing relevant examples of initiatives in countries around the world.

Webpage: http://iea-retd.org/archives/ongoing/optimum

(2.1) Electricity sector

RES-E-NEXT – Next generation of RES-E policy instruments

PSG Chair: Michael Paunescu (CA)

PSG: Kjell Sand (NO), Simon Müller (IEA RED), Georgina Grenon (FR), Henriette Schweizerhof (DE, dormant).

IB: NREL (US) / Ecar Ltd. (IE)

Objective: The overall objective of this project is to provide an overview, analysis and contribution to the development of next generation RES-E policy instruments in the light of changing electricity systems and markets with high shares of RES-E. This project will contribute to the discussion on how policies can support the rapid transition towards an energy system with high shares of renewables in an efficient, secure, sustainable and affordable way. Important aspects are the move from support towards a market incentive for renewable energy, market reform and change, payments for flexibility, demand side participation and grid-extensions. The combination of preparing a comprehensive study and the organisation of an expert workshop, allows IEA-RETD to facilitate concrete exchange of information and best practices among policy makers, the research community and other stakeholders.

Webpage: http://iea-retd.org/archives/ongoing/res-e-next

RE-INTEGRATION

PSG Chair: Michael Paunescu (CA)

PSG: T.b.d.

IB: T.b.d.

Objective: The objective of the RE-INTEGRATE project is to generate new insights for policy makers regarding the following research question: What is the relative effectiveness on approaches for integrating variable renewables? As such, the study should enable policy makers to make informed considerations and decisions on the different technological options to address higher levels of

variable renewables, taking into account cost-effectiveness, various market conditions, and respecting social, environmental and social conditions.

Status: **Preparation of ToR.**

RE-PROSUMERS

PSG Chair: Georgina Grenon (France)

PSG: T.b.d.

IB: T.b.d.

Objective: In the (near) future PV prices will have dropped to levels that will trigger installation of large amounts of decentralised PV in more and more regions. This change will trigger a paradigm shift: consumers of electricity will often also become producers of electricity – or 'prosumers'. This paradigm shift will have all sorts of effects – technically, financial, legally, regulatory. This project will addresses legal and regulatory effects to a lesser extent. The project will start with a scoping study. If the results of the scopign study are interesting, the project will be extended to a second phase.

Status: **Preparation of ToR**

4 Outreach and communication activities

4.1 Outreach activities in 2012

In 2012 the Center for Renewable Energy Development of the Energy Research Institute of the National Development and Reform Commission (China) attended the London ExCo meeting. Other countries have shown interest in participating in the IEA-RETD.

4.2 Communication activities in 2012

– **IEA-RETD website**
  All documents are available on (the closed section of) the RETD website (www.iea-retd.org). The website has been modified as some security leaks were encountered.
– **Press releases and mailing lists**
  All (public) events and workshops are announced through press releases and/or mailing lists. The same applies to the publication of new reports and/or brochures.

In 2012 published its flagship publication READy: Renewable Energy Action on Deployment.

4.2.1 Published IEA-RETD project reports, brochures and presentations

In 2012 RETD published the following project reports, brochures and presentations:

	Short title / acronym	Title	Status 2013Q1
1	**Overarching and cross-cutting issues**		
1.1	**Quantifying the benefits of RETs**		
	EID-EMPLOY	**Employment and innovation through renewable energies**	
	>	Breitschopf, B., C. Nathani, and G. Resch (2012): Methodological guidelines for estimating the employment impacts of using renewable energies for electricity generation, Fraunhofer Institute for Systems and Innovation Research / Rütter + Partner / Vienna University of Technology, Energy Economics Group for IEA-RETD, November 2012	2012
	>	Nathani, C., C. Schmid, G. Resch (2012): Methodological guidelines for estimating the employment impacts of using renewable energies for electricity generation. Annex 2: Country fact sheets. RE related gross employment in RETD member countries, Rütter + Partner / Vienna University of Technology, Energy Economics Group for IEA-RETD, November 2012	2012
*	RE-SUPPLY	**Securing the supply chain for renewable energy**	
	>	Lehner, F., A. Rastogi, S. Sengupta, F. Vuille (2012): Securing the supply chain for renewable energy (RESUPPLY), E4tech / Avalon for the IEA Implementing Agreement for IEA-RETD, November 2012	2012
	>	General presentation Securing the supply chain for renewable energy	2012
	>	Brochure Re-Supply Securing the supply chains of solar PV and wind power, IEA Implementing Agreement for Renewable Energy Technology Deployment, December 2012	2012
	SCENARIOS8	**Input to WEO2011**	
	>	Hans Jørgen Koch (2012): Review of the World Energy Outlook 2011 (Memorandum), IEA Implementing Agreement for Renewable Energy Technology Deployment, February 2012	2012

	Short title / acronym	Title	Status 2013Q1
	READy	**READy publication and ACTION Star**	
	>	IEA-RETD, R.de Vos, R., J, Sawin (2012): Six policy actions for accelerated deployment of renewable energy (Summary of Renewable Energy Action on Deployment, READy), for IEA-RETD, March 2012	2012
	>	IEA-RETD, R. de Vos, J, Sawin (2012): READy. Renewable Energy Action on Deployment, Presenting: The ACTION Star; six policy ingredients for accelerated deployment of renewable energy, Elsevier, 2012 (ISBN 978-0-12-405519-3)	2012
1.2	**Integrating RETs across sectors: removing institutional inertia**		
	ADORET	**Accelerating the deployment of offshore renewable energy technologies**	
	>	Kolliatsas, C., G. Dudziak, J. Schaefer, N. Myers: Offshore renewable energy. Accelerating the deployment of offshore wind, tidal and wave technologies; IEA-RETD, Earthscan. 2012 (ISBN 978-1-84971-470-9 / 978-0-203-13884-7)	2012
	REMOTE	**Renewable Energies for Remote Areas and Islands**	
	>	Renewable Energies for Remote Areas and Islands, Trama TecnoAmbiental / Meister Consultants Group / E3 Analytics / HOMER Energy, for IEA-RETD, April 2012	2012
	RENBAR	Good practices for solving environmental, administrative and socio-economic barriers in the deployment of renewable energy systems	2012 (2013)
2	**Key challenges and opportunities for large-scale RE deployment**		
2.1	**Electricity sector**		
	-	-	
2.2	**Heating and cooling sectors**		
	RE-BIZZ	**Innovative Business Models for the Renewable Energy in the Built Environment**	
	>	Würtenberger, L., J.W. Bleyl, M. Menkveld, P. Vethman, X. van Tilburg (2012): Business models for renewable energy in the built environment, ECN / Energetic Solutions for IEA-RETD, April 2012	2012
2.3	**Transport sector**		

4.2.2 IEA-RETD organisation and (re)presentation at conferences and workshops

In 2012 IEA-RETD organised or was (re)presented at the following international renewable energy conferences and workshops.

Event	Title / topic
Clean Energy Ministerial, Copenhagen, Denmark 11 December 2012	RE-SUPPLY Presentation of the RE-SUPPLY project for the CEM Solar & Wind Working Group
IEA-RETD Workshop, Brussels, Belgium 29 November 2012	RE-COMMUNICATE Communications Strategies for Renewable Energy Experiences, perspectives and principles (1st RE-COMMUNICATE workshop)
IEA-RETD Workshop, Ottawa, Canada 27 September 2012	Capitalizing on Renewables - Short- and Medium-term Opportunities and Economic & Employment Benefits
IRENA/IEA-RETD Workshop, Bonn, Germany 26 October 2012	Joint IRENA and IEA-RETD Workshop "Levelised Costs of Renewable Energy: What if costs continue to drop?"
IRENA Renewables and Islands Global Summit, Malta 6-7 September 2012	REMOTE Presentation by Georgina Grenon (RETD ExCo, FR) of the REMOTE project at the IRENA Renewables and Islands Global Summit
EcoMod www.ecomod.net, Sevilla, Spain 4-6 July 2012	EID-EMPLOY Presentations of the EID-EMPLOY project (EcoMod is a network dedicated to promoting advanced modeling and statistical techniques in economic policy and decision making)
IRENEC, Istanbul, Turkey 30 June 2012	EID-EMPLOY Presentation of the EID-EMPLOY project at the International 100% Renewable Energy Conference and Exhibition (IRENEC)
EUSEW, Brussels, Belgium 21 June 2012	EID-EMPLOY Presentation of the EID-EMPLOY project EU Sustainable Energy Week (EUSEW)
IEA Forging International Finance Collaboration, Stockholm, Sweden 21 June 2012	FINANCE-RE Presentation by Hans Jørgen Koch (Chair RETD, DK) on 'Strategies to finance large-scale deployment of renewable energy projects' at the IEA Forging International Finance Collaboration, International Low-Carbon Energy Technology Platform
IEA-RETD Workshop, London, United Kingdom 17 April 2012	FINANCE-RE IEA-RETD Workshop on Financing Large-Scale Deployment of Renewables
IEA-RETD/REN21 Workshop, Paris, France 30 March 2012	Mini-workshop 'How to market Renewable Energies'
REN21/ISEP/JREF, Tokyo, Japan 8 March 2012	REN21/ISEP/JREF 'Dialogue on the Future of Renewables Globally' Presentation by Hans Jørgen Koch (Chair RETD, DK) on 'READy: Renewable Energy Action on Deployment'
JREF, Tokyo, Japan 9 March 2012	REN21/ISEP/JREF 'Revision 2012 – New renewable direction for Japan' Presentation by Hans Jørgen Koch (Chair RETD, DK) on 'Markets and costs of renewable energy'

5 Financial Report 2012

Contracting Parties pay an annual membership fee to a Common Fund which covers:

- Project activities, initiated by the IEA-RETD ExCo and performed by implementing bodies;
- Communication activities, e.g. website, brochures, reports, press releases; and
- Administrative expenses incurred in connection with the ExCo, including the expenses of the Operating Agent / Common Fund Manager.

The annual contribution to the Common Fund equals approximately € 795,000 in 2012.

The results and financial position of the RETD Foundation, and hence of the IEA-RETD, are given in **Error! Reference source not found.** and

Table 2.

Table 1 IEA-RETD results for 2011 and 2012 (rounded figures x €1000)

	2012	2011
Revenues		
Contributions member countries	800	802
Other	6	4
Total Revenues	806	806
Expenditure		
Project cost, project management and OA/CFM management	785	779
Depreciation receivables	-	150
Office cost	5	3
PR and communication	12	25
Other operating expense	9	7
Total expenditure	811	964
Corporate income tax	-	-
Net balance	**-5**	**-158**

Table 2 IEA-RETD financial position 31/12/2011 and 31/12/2012 (rounded figures, x €1000)

	31/12/2012	31/12/2011
ASSETS		
Current assets		
Receivables	110	243
Cash	606	895
Total Assets	716	1.138
EQUITY and LIABILITIES		
Equity		
Other reserves	97	102
Short term liabilities		
Accounts payable	46	432
Amounts reserved for projects/ accrued liabilities	573	604
Total Equity and Liabilities	716	1.138
Working capital*	97	102

* Working capital = current assets – current liabilities