

# DSM-Energy Efficiency

(Demand-Side Management Implementing Agreement)

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# All them details...



The work of the programme is organised through a series of Tasks and reported in a number of publications. It is managed by an executive Committee (1900). Vicil the Naux page for the latest information on our activities.

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■ Latest News

Issue 55 Spotlight Newsletter -December 2015

Behaviour Change &

Energy News

Issue 58 Spotlight Newsletter September 2015

- Task 24 - Helping the Behaviour Changers Note I-1

Issue 57 Spotlight Newsletter June

- Task 13 - Network Orman OSM: Impacts of Demand-Side [...]

ISSUE OF Spotlight Newsletter March 2015

- Lask 25: beware: therry tificiency services in 15 june 2015 the Melong (-)

Research Spotlight

to develop and promote opportunities for demand-side management (DSM).

management, energy efficiency, strategic conservation and related activities.

The work of the programme is organised through a series of tasks and reporced in a number Executive Committée (EXCO), visit the News page for the latest information on our activities.



Task 75 – Business Models for a more effective uptake of DSM energy services

This task will focus on identifying and creating effective business models providing yiable DSM value propositions that lead to the growth of the genand market for approximation and difference. In addition, this task will be a controlled market for approximation and difference on identifying and creating effective business models providing yiable DSM value propositions. this task will focus of the demand market for energy efficiency. In addition, this task will focus on identifying that lead to the growth of the demand market for energy efficiency. In addition, this task will focus on identifying and supporting the creation of energy ecosystems in which these business models can succeed.

**New Website!** 

www.ieadsm.org

## And more details

# DSM Spotlight Oieadsm

The Newsletter of the International Energy Agency Demand-Side Management Programme





Energy Efficiency Reducing Energy Bills

Energy efficiency improvements since 1990 in IEA member countries saved over USD 550 billion in energy expenditure by 2014 - larger than the European Union's annual fuel import bill. In the Energy Efficiency Market Report 2015, the IEA states that over the last 25 years energy efficiency improvements have saved USD 5.7 trillion in energy expenditures in the IEA's 29 member countries. "Energy efficiency is a virtual supply of energy, meeting energy services for business and consumers while reducing their energy costs", notes the IEA.

Energy efficiency is not only reducing energy bills for consumers, it is helping governments improve energy security by reducing imports and lowering exposure to

the international energy market. The Energy Efficiency Market Report shows that in 2014, the energy efficiency investments since 1990 have enabled the IEA member countries to avoid USD 80 billion in fossil fuel imports. Germany avoided USD 30 billion in energy imports and boosted its trade surplus by 12% in 2014 while Japan reduced its trade deficit by 8%.

Per capita energy consumption in IEA countries has fallen to levels not seen since the 1980s, yet income per capita has never been higher and access to energy services is continually expanding. The IEA estimates that energy efficiency investments since 1990 have been the most important factor to explain the flattening of

continued on page 2

#### Member Countries

Austria | Belgium | Finland | India Italy | Netherlands | New Zealand | Norway | South Korea Spain | Sweden | Switzerland | United Kingdom | United States

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# Note from the Chairman

#### Which Way are We Heading?

Two articles recently caught my attention. The first was an article in the Dutch Volkskrant on October 27th with the heading "Energy Companies Have Become Less Green". This newspaper annually ranks energy companies and has concluded they used 5% more coal than the year before, as this was the cheapest option. The German company, RWE/ Essent ended in last place with a 3 out of 10 ranking.

The second article, "The Green Oil Man" was published in Politico on September 30th. This article was about Fatih Birol taking the office of Executive Director of the IEA. He wants to turn the IEA into a hub of clean energy. The article contained the

"If there is any energy company in the world which thinks that climate change policies will not affect their business strategies, they are making a grave

By the time this column is published, the Paris COP Summit will have been held, and even if there is an agreement, there will be details to be dealt with. And,

And Ireland and Nova Scotia



# The main mission of **DSM – Energy Efficiency** is to provide to stakeholders:

- Materials that is readily applicable for them in crafting and implementing policies and measures.
- Knowledge about technology and applications that either facilitate operations of energy systems or facilitate necessary market transformation.
- Insights that enables and promotes behavioural interventions to ensure the uptake and implementation of energy efficiency in the society.

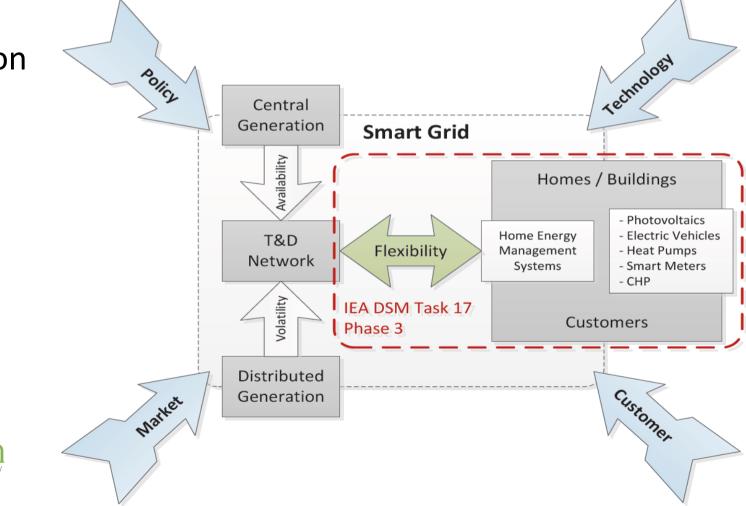
The stakeholders should as a consequence be able to structure and design "smart" systems with "High-value Distributed Energy Resources (DER)" that applies "IDSM – Integrated Demand Side Management". Such systems will be characterised by:

- Resources are both physical (fuel and technology) and human. The user is one of the resources.
- Integration of Load Management (DR), Load Level (EE), Distributed
   Generation (DG), Storage and Renewable Energy (RES)

## Some of the present work

INTEGRATION OF DSM, DISTRIBUTED GENERATION, RENEWABLE ENERGY SOURCES AND ENERGY STORAGE – PHASE 3

- Collaboration
  - TCP Isgan





## Some of the present work

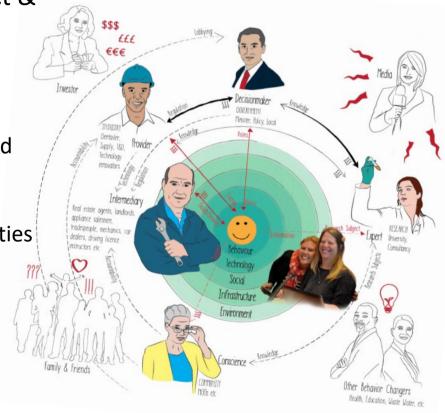
#### **Innovative Energy Services**

 Simplified M&V, Lessons learned for project & market development (e.g. 'Facilitators')

#### **Helping the Behaviour Changers**

Foster mutual engagement, collaboration and shared learning amongst Behavior Changers

- Backbone support to set a common agenda, measurement systems, mutually reinforcing activities
- Monitor and evaluate Behavior Change within EE projects





### Just starting

# Business Models for a more effective market uptake of DSM energy services

 Identify proven and potentially successful business models for energy services for DSM on a national level, and develop effective policy strategies, stakeholder roadmaps and business models to upscale and mainstream these energy services on a national (ecosystem) level. (Combining 16 & 24 knowledge)

### **Multiple Benefits of Energy Efficiency**

- Economic value of investment in sustainability (starting with Energy Efficiency)
- Based on IEA publication
- With IA IETS
- ... open for everyone to join!



#### Always available:

#### **The DSM University first quarter 2016**

- January 14th: "Energy Efficiency Labels. What can be learnt from the European Success Story". Presented by Benoît Lebot.
- February 18<sup>th</sup>: "Involving people in Smart Energy: A toolkit for utilities, energy agencies and smart city developers". Presented by Ludwig Karg
- March 17th with the title "Advancing Utility Sector Energy Efficiency in the U.S.: Highlights of the ACEEE National Conference on Energy Efficiency as a Resource". Presented by Martin Kushler

All can be downloaded!

And if you have a story of your own, please contact us.



#### Thanks (& my details...) Lid geworden ▼ 0, Zoeken in deze groep IEA-DSM Bestanden Openbare groep Foto's LEDEN TOEVOEGEN Evenementen + Voer een naam of e-mailadres in... Leden 163 leden (2 nieuw) Discussie Bestand Poll Foto/video Plaatsen Uitnodigen via e-mail Meer weergeven Voeg informatie toe over je groep. UITGENODIGD Herinnering sturen RECENTE ACTIVITEITEN Drs Rob P. Kool Rahul Sharma Herinn Gisteren om 9:15 RVO.nl India's LED Bulb Energy Saving BESCHRIJVIN Interim Manager Demand Side #iLedtheway 088 602 2503 Werk Campaign-Bright Idea 31 646424071 Mobiel rob.kool@rvo.nl NIEUWE GR Groepen m Croeselaan 15 UTRECHT eenvoudia YOUTUBE.COM 3503 RE UTRECHT