

The DSM University

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Decision in Rigi Switzerland

It was decided to reiterate the Utrecht-decision and move forward as proposed with pilot-cases in collaboration with Operating Agents and:

- a) Return in March 2014 with a more detailed plan (including financing)
- b) Consider future development with more formal training, summer-studies etc.
- c) Continue discussions with possible partners that have similar interests

What has happened since then?

- **The University is launched with a webinar on Feb 4th with 85 participants: “ESCO market development: A role for Facilitators to play”. Jan Bleyl OA for Task 16**
- **A second webinar was held on March 6th with 70 participants featuring ISGAN “Spotlight on Demand Management”.**
- A third is planned for April 9th “Best Practices in Designing and Implementing Energy Efficiency Obligation Schemes” with David Crossley presenting the task 22 results.
- A fourth for May 7th “Using Demand-Side Management to Support Electricity Grids” when David Crossley presents Task 15 results
- A fifth in June is in preparation presenting Task 17

THE WEBINARS IS THE HEARTBEAT OF THE DSM UNIVERSITY

There is a website

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NAVIGATION

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DSM University (beta)

What is **DSM**? In fact, it refers to all kinds of technological changes to the electrical system that originate from the demand side of the market. The purpose of **DSM** can be multifold, but large scale energy efficiency improvement is certainly a primary goal. The IEA's **DSM** Program structures its activities into two clusters, depending on the desired impact on the load curve of the energy system.

- The **Load Shape Cluster** includes tasks that aim to improve the shape of the load curve over short (minutes-hours-days) or longer (days-weeks-seasons) time periods. This will primarily increase the **reliability and operability of the system**, although it can also indirectly improve energy efficiency.
- The **Load Level Cluster** includes tasks that aim to lower demand levels or shift the load from one energy system to another. This cluster primarily targets **energy efficiency improvement** and the reduction of Greenhouse Gas emissions, although it can also improve the reliability and operability of the system.

News forum

About the DSM University

DSM Café

Enter the virtual Café to discuss any issues related to **DSM**.

The café is governed by just a few common-sense rules:

- new members are invited to introduce themselves in the introduction forum
- posts need to be on the topic of **DSM**
- no ads or self-promotion. Relevant reports, events, news, ... are welcome in the 'what's happening in **DSM**' section of the café
- appropriate use of language
- English only

Introduce yourself

The logic of DSM

DSM Management

Energy use (load level)

Flexibility (load shape)

Integration

Business models

SEARCH FORUMS

Go

Advanced search

LATEST NEWS

Add a new topic...

30 Nov, 14:14

Hans De Keulenaer

Welcome to the DSM University (beta)

Older topics ...

UPCOMING EVENTS

There are no upcoming events

Go to calendar...

New event...

RECENT ACTIVITY

Activity since Monday, 17 February 2014, 10:16 AM

Full report of recent activity...

Nothing new since your last login

PEOPLE

Participants

100 %

10:10

There is a structure (to fill)

ISSUES

SOURCES

1. **The Logic of DSM**, in which motivations and overview is presented in particular to decision makers and people who wants to see how issues connect to each other

- **Strategies for DSM**
- **The role of Efficiency and flexibility in systems (IDSM)**
- **Actors, and their roles/relations, to make DSM a reality**
- **DSM potential and costs (including rebound)**

2. **Governance (or DSM Management)**, in which incentives, cost/benefit, planning, evaluation and regulation are dealt with but also institutional behavioural issues such as barriers and biases.

- **Incentives (carrots and sticks)**
- **Evaluation**
- **The plethora of benefits (and for whom)**
- **Planning and regulation**
- **Barriers and biases**

Issue/Source	Lecturer
The strategy	Chairman (past and present)
Theme chapters from Annual Reports	Chairman (past and present)
WEO 2012 EE Scenario	Laura Cozzi (or Fatih Birol!)
Task 9 on Municipality issues	Someone from The EU Mayor Initiative or equal
Task 13 on DE principles	Larry Jones (Ahlstom)?
Task 18 on Climate impact and funding opportunities	OA Crossley + someone with insights from latest developments + Anders Wijkman
Task 24 Behavioural issues	On the potential that is "locked-in" when behaviour is not addresses

Issue/Source	Lecturer
Task 1 and 21 Evaluation	OA possibly supported with case person
Task 6 (and 4) measures for DSM	OA Crossley + support with more recent cases e.g. Eric Gudbjerg (DK)
(Task 12) Standards	Siderius 4E? + Top runner (Sophie Attali?)
Task 22 EEO + 14 White certificates	RAP Crossley + OA Capozza (?) + Eoin Lees
Task 24 Behavioural issues	On the how empowerment of customers can be realised
The plethora of benefits (IEA Spreading the net)	Lisa Ryan?
IRP	RAP Moskovitch?
Regulation	RAP Cowart?
Barriers and biases	? (Behavioural economist, maybe from IDEA 42?)

Lecturers: 1) OAs or delegated experts, 2) Other authors, 3) Other IAs or IEA authors, 4) Persons with knowledge and perspectives

Structure continued

3. Energy use (Load Level), technologies and measures to promote load level changes including strategic shifts of energy use to reduce carbon emissions.

- **Obligations and certificates (applications and practice)**
- **Network and grid issue**
- **Equipment**
- **Calculation**
- **Business models**

4. Flexibility – (Load shape), technologies and applications in DR systems and as regards customer benefits and participation

- **Incentives (Pricing to reflect capacity needs)**
- **Demand response practices and market segments**
- **Technologies**
- **Market models**

Issue/Source	Lecturer
Task 14 White certificates	Experiences from deliveries in Italy Capozza and the regulating authority
Task 15 Networks	OA Crossley + ECI experience on transformers?
Task 22 EEO	Deliveries + ACEEE experience from EE as a resource (Dan York?)
Task 21 Calculating	OA
Task 24 Behavioural issues	On the design of technologies that facilitates use
Equipment and development	4 E
Updating the “McKinsey” curve	???

Issue/Source	Lecturer
Task 8 Bidding + Task 11 ToU Pricing	OA Linda + Case (Norway?) + relevant US case on TOU
Task 13 (and 2)	Linda?
Task 23 (and 19) DSM and smart grids	Linda + ?? + ACEEE experience from EE as a resource (Dan York?)
Task 24 Behavioural issues	On the design of technologies that facilitates use
Equipment and development	ISGAN ??
Updating “Benefits of demand response....”	Ask Larry Mensuetti

Structure continued

5. Integration, putting energy efficiency, storage and RES together to systems

- Preparing for integration
- Practical examples
- Incentives

6. Business models, to deliver energy services

- Empowering users
- ESCOs and EPCs
- Municipalities
- Market Transformation

Issue/Source	Lecturer
Task 17 Integration	Seppo, Rene and Matthias
Check "Strategies and Decision Support Systems for Integrating Variable Energy Resources in Control Centers for Reliable Grid Operations"	Lawrence Jones Alstom?
IA Wind	?
IA Storage	?
IA Renewables	?
Examples of changing companies	?

Issue/Source	Lecturer
Task 3 Technology Procurement	Hans Nilsson and Nils Borg
Task 5 Marketing and Task 7 Market Transformation + Task 20 Branding	Verney Ryan ? (Now in NZ)
Task 9 Municipalities	?
Task 16 (and 10)	OA Bleyl
Task 14 White certificates	Capozza on how eligible parties have evolved
Task 22 EEO	??
Task 25	Ruth
Utility that has changed	
Customer that has benefited from change	

DSM-U should be a focal point

Why?

- Attractive and reliable source with important information on how energy efficiency comes about
- Good identified real examples that serves as models or inspiration

For (and with) whom?

- IEA "family" (IA (e.g. PVPS), committees, secretariat)
- Companies with distinct DSM-profile
- NGOs with business "accreditation"
- Business associations

Assessment of assets

Assessment of the IEA DSM material and its relevance and applicability for different purposes.

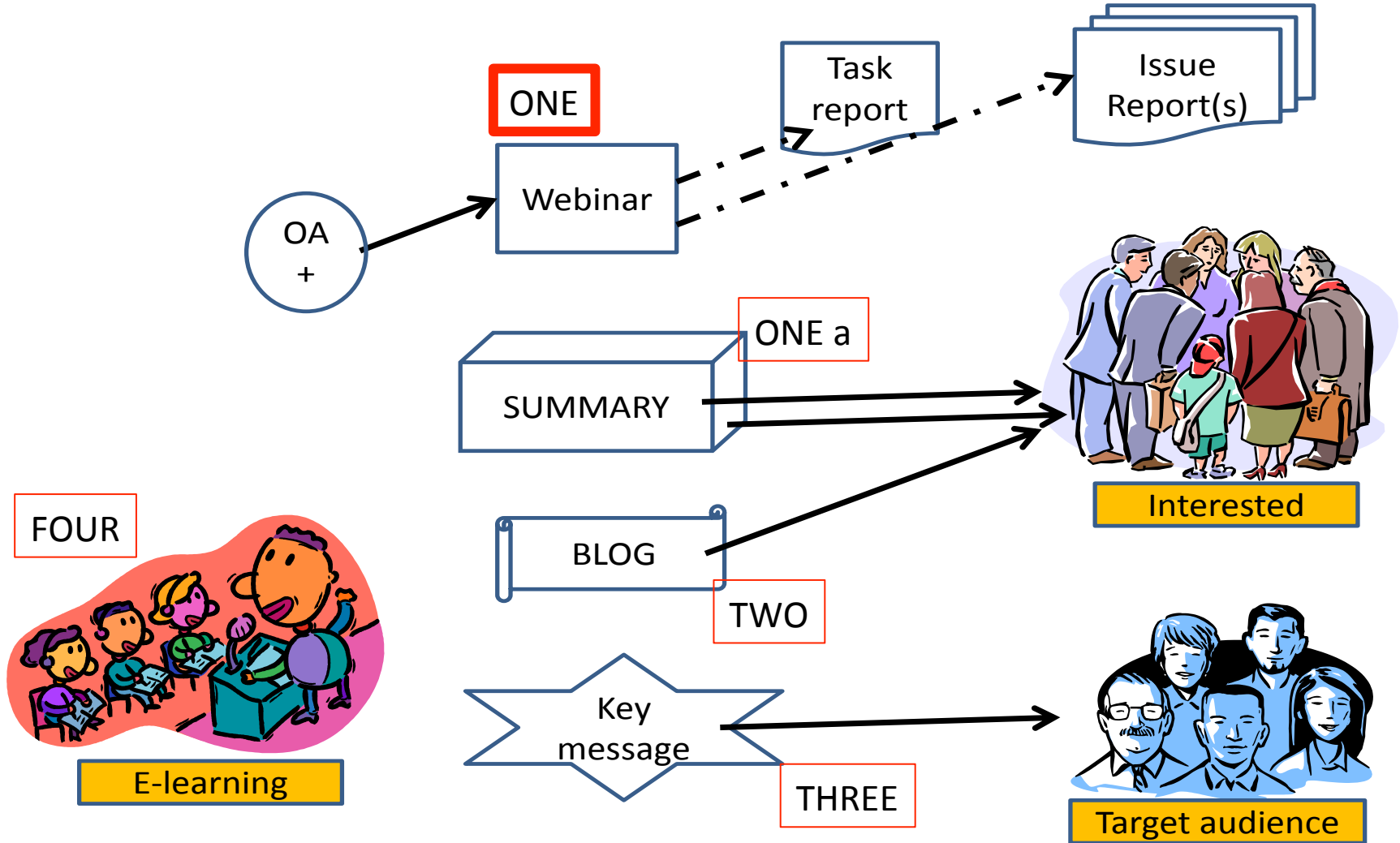
Task	Publications	Relevance
I Subtask 8 - International Database on Demand-Side Management Technologies and Programmes	INDEEP Analysis Report 2004 http://www.ieadsm.org/Files/Tasks/Task%20I%20Subtask%208%20-%20International%20Database%20on%20Demand-Side%20Management%20Technologies%20and%20Programmes/Archive/indeep%20analysis%202004.pdf	The INDEEP database started in 1994 as an international tool for: <ul style="list-style-type: none">• inspiring the design and planning of new DSM and energy efficiency activities;• comparing the user's own programmes with similar types of programmes and evaluations;• providing access to contacts concerning different types of DSM, thus creating a network.

The IEA DSM-Programme

Status of Task	Peak Load	Load Level	
<p>Past, Present and Future IEA DSM-Programme tasks</p> <p>Further information on the activities can be found at www.ieadsm.org.</p>	<p>Completed</p>	<p>Task II: Communications Technologies for Demand-Side Management</p> <p>Task VIII: Demand-Side Bidding in a Competitive Electricity Market</p> <p>Task XI: Time of Use Pricing and Energy Use for Demand Management Delivery</p> <p>Task XIII: Demand Response Resources</p> <p>Task XV: Network-driven DSM</p> <p>Task XIX: Micro Demand Response and Energy Saving</p>	<p>Task I: Subtask 9 – Evaluation Guidebook on the impact of DSM and Energy Efficiency Programmes</p> <p>Task III: Technology procurement</p> <p>Task V: Marketing of Energy Efficiency</p> <p>Task VI: Mechanisms for Promoting DSM and Energy Efficiency in Changing Electricity Businesses</p> <p>Task VII: Market Transformation</p> <p>Task IX: The Role of Municipalities in a Liberalised System</p> <p>Task X: Performance Contracting</p> <p>Task XIV: Market Mechanisms for White Certificates Trading</p> <p>Task XVIII: Demand Side Management and Climate Change</p>
		<p>Current</p>	<p>Task XVII: Integration of Demand Side Management, Energy Efficiency, Distributed Generation and Renewable Energy Sources</p> <p>Task XXIII: The Role of Customers in Delivering Effective Smart Grids</p>
	<p>Task XXIV: Closing the loop - Behaviour change in DSM, from theory to policies and practice</p> <p>Task XXV: Business Models</p>		

*** DSM-university**

PRODUCTS



PRODUCT	STATE
A. Webinars.	Up and running
B. 1. Task reports. 2. WEB-casts to promote Task Reports	1. Available 2. To be tested
C: Issue reports. Such could be derivate from the task report	Should preferably be a spin-off from webinars
D. Summaries. There should be (a) task report summaries and (b) theme summaries (1-2 pagers).	Some first (a) are available on our web-page
E. Blogs. Should be developed to make a more popular presentation that also laymen can use and be used to attract interest for coming webinars	Some first are available on our web-page
F. Key messages. Shorter appeals to target audiences	Should be considered by the PPC
G. E-learning. The setting for a more formal education. We should eventually be able to deliver courses for more or less formal training	Future opportunity
H. Expert advice. Anyone who have a problem related to DSM should be able to contact us and we will search for an expert	Should be considered in relation to webinars
I. DSM-U Café. We should have the opportunity for chatting and discussions like we have today on facebook and Linked-in. This café should also be used in developing concepts for tasks with webinars and appeals to find new participants.	The forums for the DSM-U café is available , but needs to be 'activated'.
J. Glossary. Noblesse oblige. IEADSM should provide clear definitions for DSM terms in order to help frame the DSM debate.	System available. First terms defined.
K. DSM Community of Practice. Around the webinars, we intend to gradually build a community of practice of DSM practitioners.	For 2015. But registrations for the various webinars are collected in a DSMU mailing list

Workplan and budget

	3m	6m	9m	12m	15m	18m	21m	24m	Budget (days)
Developing Products									
A. Webinars.	One every month (Scheduling by Chairs and secretary)								Moderation and communication by Copper Alliance (32)
B. 1. Task reports. 2. WEB-casts	Exists								
			1	1	1	1	1	1	Duty of OAs (6)
C. Issue-reports.		1	1	1	1	1	1	1	Editing (7)
D. Theme-Summaries.			2	2	2	2	2	2	Compilation (12)
E. Blogs.	1	1	1	1	1	1	1	1	Writer (8)
F. Key messages.			1	1	1	1	1	1	Writer (6)
G. E-learning.						x	x	x	-
H. Expert advice.						x	x	X	-
I. DSM-U Café.	1	1	1	1	1	1	1	1	Moderation (8)
Management	2	2	2	2	2	2	2	2	(16)
Reporting	2	2	2	2	2	2	2	2	(16)
SUM	10	11	15	15	15	>15	>15	>15	111 days at 1k\$