



Rijksdienst voor Ondernemend
Nederland

Big Data on energy use

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IEA DSM EXCO meeting

22 October 2015

Halifax (Canada)



Overview of the presentation

- Objective
- Approach
- Subtasks
- Time table
- Costs
- Matters for the EXCO



Objective

- Make the new information on Big Data on energy use and energy efficiency quickly and easy available
- Analyse the collected information to generate information on
 - Trends
 - areas where actions is on going
 - areas where development is lacking



Objective

The research areas for Big Data are:

- Smart meters introduction
- Data access and privacy
- Combination of different data sources
- Web crawling on energy efficient products
- Program evaluations
- Market potentials for energy efficiency improvements in end-users markets



Approach

- Providing frequent relevant information and not in-depth analyses
- Create THE place for research reports, articles etc. dealing with Big data and energy efficiency as a clear section of the IEA DSM site
- Each half year a flyer holding an evaluation or trends on the topics:
 - Smart meters introduction
 - Data access and privacy
 - Combination of data sources
 - Web crawling on EE products
 - Program evaluations
 - Market potentials



Approach

- Webinars (6-8 in the two years period) on hot topics by selected presenters
- At least Monthly experts contact by website and/or web meetings to ensure delivery of information
- Two experts meetings



Subtask 1: Collect Big Data information and make it available

- To collect the most recent information (research reports, articles etc.) dealing with Big data and energy efficiency in the participating countries and in other relevant countries;
- To present the information on a separate section of the IEA DSM website;



Subtask 1, Objectives (continued)

- To present the information in such a way that the following topics are visual:
 - Smart meters introduction
 - Data access and privacy
 - Combination of different data sources
 - Web crawling on energy efficient products
 - Program evaluations
 - Market potentials for energy efficiency improvements in end-users markets



Subtask 1, Work

- The Operating Agent and the country experts collect recent relevant information on from the participating counties and global.
- The Operating Agent subcontracts the development of the special section on the IEA DSM website for Big Data information.
- The Operating Agent and the country experts feed the website with Big Data information.
- In case the information is only available in another languages than English, a summary in English will be added on the web site.



Subtask 2: Analyse and generate information on trends in the areas of Big Data

- To analyse the information in the database filled with the information collected under subtask 1
- To generate information on trends
 - Smart meters introduction
 - Data access and privacy
 - Combination of different data sources
 - Web crawling on energy efficient products
 - Program evaluations
 - Market potentials for energy efficiency improvements in end-users markets



Subtask 2, Work

- The Operating Agent will conduct the draft analyses and discuss these on-line with the experts
- The Operating Agent will prepare draft two-pagers for commenting by the experts
- The Operating Agent will publish the trend papers on the IEA DSM website



Subtask 3: Organise webinars on selected topics

- 6-8 Webinars on selected topics
- to distribute the recent knowledge and development for the selected topics Big Data and energy efficiency on a fast way



Subtask 3, Work

- The Operating Agent will discuss potential topics for webinars with the country experts.
- The Operating Agent will contact the speakers for the selected topics for the webinars.
- The webinars will be organised, using the exiting framework of the Technology Initiative and by or in co-operating with Leonardo Institute.



Subtask 4: Communication and information

- two articles to present on international conferences or publish these in a journal.
- contribute to the Annual Report, Spotlight and workshops organised by the IEA DSM TI.
- a leaflet of the Task and update this
- attend the EXCO meetings and report to the EXCO



Timetable

- October 2015 EXCO Approval of the input for the work plan
- April 2016 EXCO Approval of work plan
- Mei 2016 – May 2018 Task implementation, Subtasks 1-4
- October 2018 EXCO decision to close the Task or initiate new subtasks



Costs

	Manpower (1,000 €)	Project costs (1,000 €)	Total (1,000 €)
Subtask 1	30	10	40
Subtask 2	40	10	45
Subtask 3	15	5	20
Subtask 4	20	15	35
TOTAL	105	40	145



Matters for the EXCO

- Discuss whether the objective is interesting
- Discuss how open/close the information would be during the Task:
 - Restricted to participants
 - Non-participating countries, : EXCO will pay if people in their country use products
 - Free access for developing countries on request
- Clear indication of interest in participation
- Decide on a start now or decide on the next EXCO



Questions???

