



IEA DSM Task 17 – Phase 3: Integration of DSM, DG, RES and ES

Task Status Report, ExCo Meeting, Graz, Austria

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IEA DSM Task 17 Phase 3

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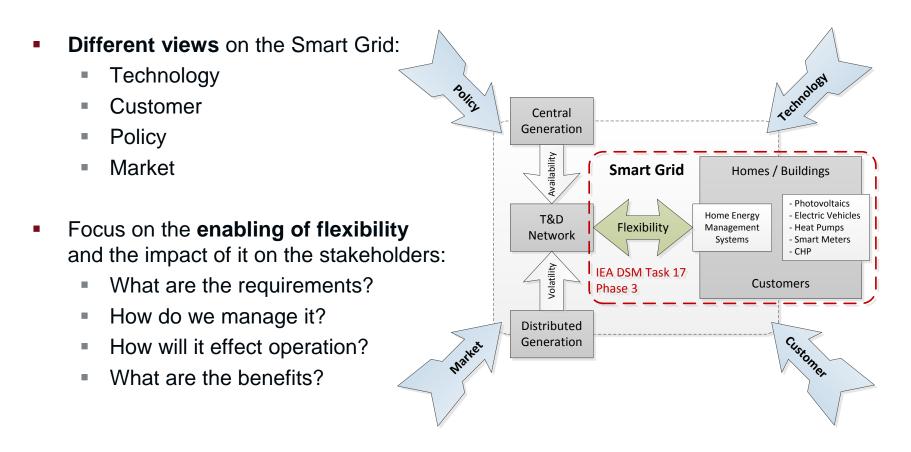






Task 17 Phase 3 - Summary

Systems view on enabling flexibility in the smart grid









Subtask of Phase 3 – Overview of the Subtasks

Systems view on enabling flexibility in the smart grid

- **Subtask 10:** Role, and potentials of flexible prosumers (households, SMEs, buildings)
- **Subtask 11:** Changes and impact on stakeholders operations
- **Subtask 12:** Sharing experiences and finding best/worst practices
- **Subtaks 13:** Conclusions and recommendations







Progress Subtask 10 (1)

Role, and potentials of flexible prosumers (households, SMEs, buildings)

 A metric for assessing projects based on different properties (e.g., TRL) has been developed and will be review by the experts

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Progress Subtask 10 (2)

Role, and potentials of flexible prosumers (households, SMEs, buildings)

 An international public workshop (Workshop on DSM: Potentials, Implementation and Experiences) has been organized to discuss potentials and flexibility of consumers









Progress Subtask 12 (1)

Sharing experiences and finding best/worst practices

 An international public workshop "Workshop on DSM: Potentials, Implementation and Experiences" has been organized to discuss implementations and experiences of DSM and DR projects.



16:40 Active DSM by forecasting - Christoph Maier (TU-Wien ESEA, Austria)

charging - Markus Radauer (Salzburg Netz, Austria)





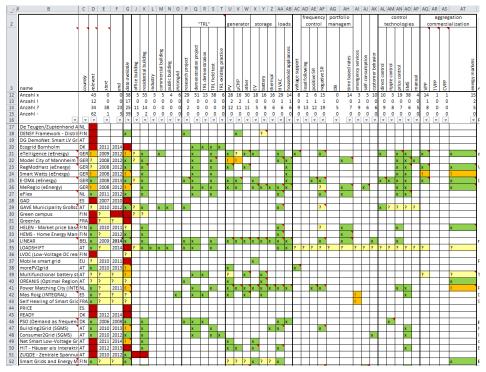




Progress Subtask 12 (2)

Sharing experiences and finding best/worst practices

 A comprehensive list of recent studies and project developments has been started and evaluated.









Experts meetings/seminars/conferences

Experts meeting

Date	Place	# of	Type of	Govern-	Industry	Academic
		Experts	meeting	ment		
19.5.2014	Graz, Austria	9	Kick Off	1	2	6

Seminars / Conferences

Date	Place	Partcipants	Type of	Govern-	Industry	Academic
			meeting	ment		
20.5.2014	Graz, Austria	70+	Public	20	25	25
			Workshop			
10.6.2014	Brussels,	50+	Belgian	20	25	5
	Belgium		meeting			
			organized			
			by ExCO			







Reports / Publications

Review on the '<u>Workshop on DSM: Potentials, Implementations and</u> <u>Experiences</u>' will be proposed for the IEA DSM Spotlight.

Review of the Workshop on <u>DSM_Potentials</u>, Implementations and Experiences

Matthias Stifter (AIT), René Kamphuis (TNO)

During the Austrian Smart Grids Week in May 2014, the IEA DSM Task 17 and the European project <u>EcoGrid</u> EU jointly <u>organised</u> a workshop to foster the exchange between experts and stakeholders.

The workshop was intended to present latest activities in the field of active demand response (DR) and demand side management (DSM). The IEA DSM Task 17: "Integration of Demand Side Management, Distributed Generation, Renewable Energy Sources and Energy Storages" and the European project "EcoGrid EU" jointly organized this workshop. The contributions are structured into four blocks which will cover "DMS potentials of buildings", "DSM for distribution networks", "DSM and market operation", "DSM and electric vehicles" and a panel discussion with the presenters.

Over 70 participants from 15 different countries have been attending the workshop and a very positive feedback was received afterwards. Presentations have been put online and are available at: <u>http://www.ieadsm.org/ViewTask.aspx?ID=16&Task=17&Sort=0#anc1254</u>

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Objectives for the next six month

- Subtask 10 Role and potentials of flexible consumers
 - OAs prepare document and collect information from experts.
- Subtask 11 Changes and impacts on grid and market operation
- Subtask 12 Sharing experiences and finding best practices
 - OAs prepare use case collection list and send out for comments







Experts meetings planned in the next six months

meetings/seminars/conferences

Planned Experts meetings

Date	Place
17. 9. 2014	Webconference Expert Meeting
3./4. 11. 2014	Expert Meeting (The Netherlands)

Planned seminars/conferences

Date	Place
2223. 10. 2014	IEA EGRD Meeting, Germany, Berlin







Reports/Publications planned for the next six months

meetings/seminars/conferences

- Planned Experts meetings
 - Webinar: Contribution to DSM University tacking task 17 objectives and previous findings.
 - (Conference article about state of the art / projects in DR of participating countries)
 - Contribution to IEA Expert Group R&D Workshop in Berlin, Germany (Matthias)







Outreach

- Workshop on DSM in Graz, Austria organized (70+ participants)
 → Contacted from ENA, France on behalf of the Seoul Metropolitan Government.
- Ongoing exchange with potential new participating countries
 - Contact with Serbia no funding but high interest
 - Contact with German Ministry for participation in DSM IA and Task 17 reconsidering joining the IA
 - Contact with experts from Finland
- Workshop about 'Energy Demand-Side Management in Belgium in the context of the EU Energy Efficiency Directive and beyond: how can IEA DSM help defining our future energy system?' in Brussels, Belgium attended (10.6.2014 - René)
- Workshop on 'Smart Cities and Smart Grids' for Seoul Metropolitan Government (SMG) was organized at AIT and Task 17 was presented (11.6.2014 - Matthias).
- Member of the 'Power Systems Flexibility Advisory Panel' for Ecofys study (Matthias)







Finance

IEA-DSM Task 17 – Phase 3

- Realization
 - AIT: approximately 55k/16k Euro All / last 16 month
 - TNO: approximately 14292/6804 Euro All / last 16 months
- Finance and invoices to the participating countries have to be fixed at the next expert meeting after the ExCo meeting when the final participation commitment has been settled. Offers have been sent or will be sent in the next weeks.

	Country	Commitment	Offer	Contractpartner	Signed	Contact
1	Austria	Υ	(Y)	AIT	Y (OA and	d CR together)
2	Switzerland	Υ	N	AIT	N	
3	Swede	Υ	Y	TNO	Ν	
4	Copper Alliance	Υ	Υ	TNO	N	
5	The Netherlands	Υ	Υ	TNO	Υ	
6	USA	Υ	Ν	AIT	Ν	
7	Italy	N	Y	TNO	N	Rene
8	Belgium	N	N	TNO	N	Rene
9	Serbia	Ν	Ν			Matthias
10	India	Ν	Ν	AIT	Ν	Matthias
11	Germany	Ν	Ν	AIT	Ν	Matthias
12	Finland	N	N			Matthias/Ren

- Vito in Belgium decides before November 2014 on participation.
- RSE is the contract partner for Italy, while factoring is to the University of Ancona (Prof. Comodi is the country expert).







Activity Time Schedule

IEA-DSM Task 17 – Phase 3

the task delayed by 3 month and time plan has to be updated accordingly

IEA-DSM TASK XVII - Phase 3	Q1 14	Q2 14	Q3 14	Q4 14	Q1 15	Q2 15	Q3 15	Q4 15
Subtasks								
Subtask 10 - Role and potentials of flexible consumers								
Subtask 11 - Changes and impact on the grid and market operatior	า							
Subtask 12 - Sharing experiences and finding best practices								
Subtaks 13 - Conclusion and recommendations								
Expert meetings								
Biannual country expert meeting								
Workshops								
Workshops with stakeholders and experts								
Reports								
Subtasks reports								
Final report								







Participating Countries

IEA-DSM Task 17 – Phase 3

	Country	Commitment	Offer	Contract partner	Signed	Remark
					e.g. e.	
1	AU	Y		AIT	Y	
2	СН	Y	(Y)	AIT	Ν	
3	S	Y	N	TNO	Ν	
4	Cop. All.	Y	Y	TNO	N	Reminder Poland
5	NL	Y	Y	TNO	Y	
6	US	Y	(Y)	AIT	N	
7	Italy	Ν	Y	TNO	Ν	Reminder Ancona
8	Belgium	Ν	Ν	TNO	Ν	Decision in October
9	Serbia	Ν	N			Invite in November $ ightarrow$ no budget / web dial in
10	India	Ν	Ν	AIT	Ν	Find appropriate ExCo contact person
11	D	N	N	AIT	N	Ministry economic affairs contacted; workshop presentation EGRD Berlin 21-23 october
12	Finland	N	N			Contact Jan Stegersam
13	Australia	N	Ν	-	-	Progress?





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