

# **“Integration of Renewable Energies by distributed Energy Storage Systems”**

## **A new ECES Annex Proposal and a collaborative action within the IEA Energy Technology Network**

**Task-Definition Workshop, September 18/19 2012, International Energy Agency, Paris**

### **Agenda**

#### **Tuesday September 18**

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| <b>10:00 – 12:30</b> | <b>Welcome, Peter Cunz (Chair CERT), Halime. Paksoy (Chair ECES),<br/>Andreas Hauer (ECES)</b>  |
|                      | <b>Introduction of Participants</b>   |
|                      | <b>“Integration of Renewable Energies by Distributed Energy Storage<br/>Systems - A New Annex Proposal”, Andreas Hauer (ECES)</b>   |
|                      | <b>“Electrical Storage – A Survey about flexibility options”, Christian<br/>Doetsch (ECES)</b>  |
| <b>12:30 – 14:00</b> | <b>Lunch</b>  |
| <b>14:00 – 15:30</b> | <b>Presentation from IAs activities on Distributed Energy Storage (DES)<br/>Systems (each about 30 min.)</b>  |
|                      | <ul style="list-style-type: none"><li>• <b>Energy Conservation for Buildings and Community Systems<br/>(ECBCS), Andreas Eckmanns</b></li><li>• <b>Heat Pumping Technologies, Hermann Halozan</b></li><li>• <b>ISGAN (Smart Grid IA), David Elzinga</b></li></ul>                        |
| <b>15:30 – 16:00</b> | <b>Coffee Break</b>   |
| <b>16:00 – 18:00</b> | <b>Cont. Presentation from IAs activities on Distributed Energy Storage<br/>(DES) Systems (each about 30 min.)</b>  |
|                      | <ul style="list-style-type: none"><li>• <b>Solar heating &amp; Cooling (SHC), Werner Weiss, Wim vyn<br/>Helden</b></li><li>• <b>District heating and Cooling (DHC), Robin Wiltshire</b></li><li>• <b>Energy Conservation through Energy storage (ECES),<br/>Halime Paksoy</b></li></ul> |
| <b>19:30</b>         | <b>Dinner</b>   |

**Wednesday September 19**

<b>9:00 – 10:30</b>	<b>Demand and Potential for Distributed Energy Storage (DES) Systems (presentation by IAs / energy utilities / IEA and discussion)</b> <ul style="list-style-type: none"><li>• <b>Energy Technology System Analysis Program (ETSAP), George Giannakidis</b></li><li>• <b>“Smart energy systems and energy storage in the transition to renewable energy systems in Denmark”, Brian Vad Mathiesen</b></li><li>• <b>“Distributed Energy Storage in Belgium”, Bart Mantels</b></li><li>• <b>"EASE Point of View on Distributed Energy Storage Systems", Jean-Michel Durand, EASE</b></li></ul>
<b>10:30 – 11:00</b>	<b>Coffee Break</b>
<b>11:00 – 12:30</b>	<b>Open discussion on participation and structure (work program, subtasks, meetings)</b>
<b>12:30 – 14:00</b>	<b>Lunch</b>
<b>14:00 – 14:30</b>	<b>Wrap-up of workshop results and next steps</b>
<b>14:30 – 16:00</b>	<b>Energy Storage Roadmap – Discussion, David Elzinga (IEA)</b>
<b>16:00</b>	<b>End of Workshop</b>