

**International workshop**  
**Full scale test facilities for evaluation of energy and hygrothermal performances**  
**Brussels - 30-31 March 2011**

**Final programme**

**Wednesday March 30 2011**

**9.00 Opening of registration**

**9.30 Session 1: Context, challenges and opportunities**

9:30 P. Wouters (INIVE EEIG)

*INIVE Welcome, objectives of INIVE and link to this topic*

9:40 H. Bloem (JRC Ispra )

*DYNASTEЕ Welcome, objectives of Dynastee and of this meeting*

9:50 S. Roels (KU Leuven)

*Possibilities for IEA collaboration on full scale testing*

10:00 CEN, speaker to be confirmed

*Activities of CEN on full scale testing*

10:10 L. Bourdeau, E2B

*Energy-efficient buildings roadmap and the role of full scale testing*

10:20 J.M. Campos (Tecnalia)

*RIEEB: European network of research infrastructures on energy efficiency in buildings*

**10.45 Break**

**11.15 Session 2: Building envelope testing for evaluation of hygrothermal performances**

Chair: A. Janssens (UGent)

11:15 S. Roels (K.U.Leuven, Belgium)

*The VLIET test building*

11:35 C. Buxbaum (FH Kaernten, Austria)

*Building science research and test unit*

11:55 H. Miura (NILIM, Japan)

*Testing facility for residential equipments efficiency and renovated envelope performance*

12:15 M. Swinton (NRC-IRC, Canada)

*NRC-IRC Full-scale facilities for hygrothermal and whole house performance assessment*

12:35 I. Heusler (IBP-Fraunhofer, Germany)

*Outdoor testing site Holzkirchen*

**13:00 Lunch**

**14.00 Session 3: the Paslink network for evaluation of energy performances**

Chair: L. Vandaele (BBRI)

D. Van Dijk (TNO, the Netherlands), M. Jimenez (CIEMAT, Spain), A. Erkoreka (Engineering School of Bilbao, Spain), R. Pfluger (Univ. Innsbruck), V. Renzi (INES)

*Overview of experimental investigations based on a quality-assured test cell environment*

**15.30 Break**

**16:00 Session 4: Testing: challenges for the industry**

Chair: P. Wouters (INIVE)

16:00 S. Wise (Knauf Insulation)

16:15 G. Houvenaghel (Lafarge)

16:30 E. Rasker (Reynaers)

16:45 H. De Bleecker (Permasteelisa)

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**17.00 End of the first day**

**19.00 Walking dinner in Brussels (participants must confirm their participation)**

**Thursday March 31 2010**

**9:00 Session 5: From façade systems to whole house testing**

Chair: H. Bloem (JRC Ispra)

9:00 M. Woloszyn (CETHIL, Lyon, France)

*Active facades and indoor environment test chamber*

9:20 J.M. Campos (Tecnalia, Spain)

*Full scale and realistic test facility for improving energy performance in buildings*

9:40 O. Larsen (Aalborg University, Denmark)

*Research on double skin facades in test facility Cube*

10:00 J. Straube (University of Waterloo, Canada)

*Experiences with test huts in different climates*

10:20 S. Waterworth (University of Salford, UK)

*Salford energy house*

**10:45 Break**

**11:15 Session 6: Test facilities for Zero Energy Solutions**

Chair: S. Roels (K.U.Leuven)

11:15 V. Parteney (CSTB, France)

*Platforms for testing geothermal and solar systems*

11:35 S. Jensen (DTI, Denmark)

*Testing energy technologies in EnergyFlexHouse*

11:55 T. Jacobsen (SINTEF Building and Infrastructure, Norway)

*Centre for Zero Emission Buildings*

**12:15 Conclusion, A. Janssens & S. Roels, programme coordinators**

**12:30 End of the workshop**

The workshop will be followed in the afternoon and on Friday by a brainstorming session on a new annex project of the IEA ECBSC on *full scale testing, data analysis and modeling*.

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