

SBN Conference, New Initiatives

Introduction of the workshop

SBN Workshop
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Aim of this SBN workshop

The aim of this workshop:

- Bring results of SBN work to IPEEC committee for discussion
- Develop some initiatives further based on the SBN conference 14-15 November including proposals for:
 - Zero Energy Buildings
 - Existing Buildings (trying to define this task further)
 - Intelligent Tropical Architecture
 - Building Codes.
- But it is also the idea to bring IPEEC ExCo members and some people from the SBN Advisory Structure together
- And to increase the collaboration between and to share information among the many different stakeholders
- It also bridges between the IPEEC ExCo meeting and SBN Steering Group meeting this afternoon

The SBN Conference

- More than 50 experts participated in the SBN Conference ,15-16 November 2010, representing:
 - Different networks within sustainable buildings
 - Industry
 - Research community
 - Consultants and practical implementation
 - International organisations
 - Countries or national agencies
 - IEA Implementing Agreements
- Many experts represented more than 1 network
- An open advisory board meeting was held in connection to the Conference on the last day

Outcome of the SBN Conference

- The main outcomes of the conference were:
 - High interest in and large support for SBN
 - Ideas for collaboration under all the priority areas
 - Messages and recommendations for IPEEC
 - Comments on the Advisory Structure
 - Creation of networking under the title SBN
- All presentations and conclusions from the workshop are on the website:
 - www.iea.org/SBN
- Some initiatives were also taken directly further
 - Including some activities taken in connection to COP 16 in Mexico

Zero Energy Buildings

Tasks:

- Definitions of zero energy, ready and close to ZEB, overview (*SAF*)
 - Together with EBPI, ECBCS SHC subtask, APP activities
- Document Zero Energy Progress globally (*SAF*)
 - Working closely with other projects and all relevant networks
- Zero energy buildings implementation in Latin America
 - APP project, 1 part expected to be financed by environment Canada
- Support to zero energy demands in EPBD (*TBD / TBF*)
 - Collaboration activities in Europe, EPBD Concerted Action, EU projects, BPIE, to make these demands known
- Zero energy buildings South East Asia (*TBD*)
 - To be developed further, use results from Latin America

Intelligent Tropical Architecture

Tasks:

- Developing design guidelines for hot and humid climates (*TBF*)
- Developing design guidelines for hot and dry climates (*TBF*)
- Building a network among hot climate specialists (*SAF*)
- Work in connection to policy pathway – Cool Buildings in hot climates
 - Collaboration work in connection to IEA policy pathway

Existing Buildings

Tasks

- Increase of refurbishment rate (*SAF*)
- Ensure deep renovations instead of skimming (*SAF*)
 - BPIE, Industry
- Other benefits and values obtained by improved efficiency – benefits of upgrading (*TBF*)
- Impact of certification (*TBF*)
 - Collaboration BPIE
- Information on evaluation projects for existing buildings (*SAF*)

Building Codes

Tasks:

- Building Code Project in the Asian Pacific
 - APERC CEEDS / Involvement and support for this project, development for further extension
- Building Code Project in other regions (*TBD / TBF*)
 - Assistance in connection to implementation of Building Codes
- European Building Codes towards zero energy (*TBF*)
 - Support and expansion of this project / global dimension
- Economic costs for improving building codes (*SAF*)
- Impact of building codes including compliance (*TBF*)
- Comparison of energy performance based building codes (*SAF*)

Dissemination / WEB

Tasks

- Easy accessible information on networks
- Easy accessible information on databases, web sites and portals
- Dissemination of SBN projects and progress in the four priority areas (development of database)
- Dissemination of material on evaluation of results and impact of policies (development of database)
- Dissemination of recommendations for policy development

Future Process

- The following sessions will take us through four different areas:
 - Zero Energy Homes – mainly Latin America
 - Refurbishment – mainly focusing on deep renovations and increased renovation rates
 - Intelligent tropical architecture – mainly South East Asia
 - Asian Pacific Partnership projects under BATF
- Aim is to discuss project ideas
- To find out how this can fit into a SBN structure under IPEEC
- Come up with input which can be taken back to SBN networks

A. SBN ACTIVITIES	
	<i>I. Opening Session</i>
9:00	<p>Welcome:</p> <ul style="list-style-type: none"> • Outcome of the 15-16 November 2010 SBN Conference in Paris <i>Jens Laustsen, Energy Policy Analyst leading work in SBN, IEA</i>
	<i>I. Zero energy buildings</i>
9:15	<ul style="list-style-type: none"> • Zero Energy homes in Mexico, successful implementation of new concepts <i>Lic. Arturo Echeverría Aguilar, AEAEE, Mexico</i> • Expanding Zero Energy Home Project to all Latin America <i>Amanda Kramer, Environment Canada</i> • SBN project template <i>Jens Laustsen, Energy Policy Analyst leading work in SBN, IEA</i>
	<i>I. Deep renovations</i>
10:15	<ul style="list-style-type: none"> • Experience with deep renovations in Germany <i>Felicitas Kraus, DENA</i> • Renovate Europe, the industries involvement in refurbishment <i>Amanda Afifi, EuroAce</i> • SBN template for Deep renovations <i>Jens Laustsen, Energy Policy Analyst leading work in SBN, IEA</i>
10:45	Coffee break

	I. Tropical architecture
11:00	<ul style="list-style-type: none"> • Experience with low energy buildings in South East Asia <i>Poul Erik Kristensen, IEN Consultants Sdn. Bhd., Malaysia</i> • Development of guidelines for hot climate architecture <i>Poul Erik Kristensen, IEN Consultants Sdn. Bhd., Malaysia</i> • Zero Energy Buildings in South East Asia <i>Mr. Young-Ho Lee, Korea</i> • SBN project template <i>Jens Laustsen, Energy Policy Analyst leading work in SBN, IEA</i>
	I. Asian Pacific Projects
11:45	<ul style="list-style-type: none"> • Asian Pacific Partnership projects on buildings <i>Ken Mentzer, President, Energy Efficiency Policy Group, NAIMA</i> • Further presentation of projects <i>(tbc) Australia or Korea</i>
	I. Taking SBN Forward
12:15	<ul style="list-style-type: none"> • Conclusions <i>Jens Laustsen, Energy Policy Analyst leading work in SBN, IEA</i>
	I. Taking SBN Forward
12.30	Lunch break

In the afternoon Steering Group of SBN lead by Germany