



United Nations Environment Programme

برنامج الأمم المتحدة للبيئة · 联合国环境规划署

PROGRAMME DES NATIONS UNIES POUR L'ENVIRONNEMENT · PROGRAMA DE LAS NACIONES UNIDAS PARA EL MEDIO AMBIENTE

ПРОГРАММА ОРГАНИЗАЦИИ ОБЪЕДИНЕННЫХ НАЦИЙ ПО ОКРУЖАЮЩЕЙ СРЕДЕ



UNEP SBCI
Sustainable Buildings
& Climate Initiative

Building and Construction Authority

Sustainable Buildings & Climate Initiative (SBCI)

STAKEHOLDER ROUND-TABLES

SINGAPORE, OCTOBER 26th – 27th, 2009

Vanda Ballroom (Level 5) of the Marina Mandarin Hotel

Background

UNEP-SBCI is developing global guidelines for assessing and reporting the influence of buildings on key global issues through a process of commissioned research, technical round-table meetings, and Think-Tank discussions/reviews initiated in November 2007. These guidelines represent consensus on common metrics and protocol for sustainable building performance measurement and reporting to support national policy development and the Conference of the Parties (COP) 15.

While SBCI's long term objective is to develop common metrics for all performance indicators concerning sustainable buildings, Climate Change has emerged as the top priority issue for SBCI and most other key international organizations this year. Therefore, through the neutral convening power of the United Nations, these organizations have come together, first to develop a common global metric & protocol for reporting the global warming potential of buildings.

A first draft of this metric was developed during meetings in Paris on September 10-11 2009, where consensus was reached on the metric's purpose, definition and scope. The meeting also identified more work required to further define measurement and reporting methodology, data requirements and documentation. This work will be the focus of these Singapore Round-Table discussions, with the aim of achieving a consensus on a common global metric for measuring building energy performance and reporting building-related greenhouse gas emissions that can be presented at COP15 in Copenhagen this December, and then refined and implemented in the following years.

Aim of this meeting: Building consensus on common metrics for building-related greenhouse gas emissions and protocol for measurement and reporting.

BRIEFING PAPER: Metric & Protocol for Measuring and Reporting the Global Warming Potential (GWP) of Buildings - DRAFT

DAY 1 - AGENDA

26th October 2009

9:00 – 17:30

9:00 – 9:15

Welcome & Introductions:

Master of Ceremonies: Arab Hoballah, UNEP Division of Technology, Industry & Economics (DTIE)

9:15 – 9:30

Vision & Goals for a Sustainable Buildings & Climate Index:

Birgitte Holter, Hydro Aluminum and Chair, UNEP-SBCI Board

9:30 – 9:45

Keynote: Common Metrics for Sustainable Buildings:

Alfonso Ponce, Sustainable Buildings (SB) Alliance, UNEP-SBCI Member

9:45 – 10:10 Metric & Protocol for Measuring & Reporting the Global Warming Potential of Buildings:

Peter Graham & Donna McIntire, UNEP-SCBI - *Process & Agenda for this meeting*

10:10 – 10:30 *Coffee Break*

10:30 – 12:00 SESSION 1: Metric & Protocol of Measurement & Reporting:

Format: Key Stakeholder Panel

Aim: Review existing greenhouse gas emission accounting & reporting initiatives to inform development of the SBC Metric measurement and reporting protocol (methodology).

Moderator	Organisation	Additional contribution
Jens Laustsen	International Energy Agency (IEA)	Energy Efficiency Requirements in Building Codes, Energy Efficiency Policies for New Buildings
Panelists	Organisation	Additional contribution
Katherine Miles Hill	Global Reporting Initiative (GRI)	Construction and Real-Estate Sector Supplement
Janet Kidner	Lend Lease Europe	Property developer's perspective on GHG data collection and reporting efforts
Kevin Hydes	The Integral Group	Lessons Learned from 3-year Benchmarking Exercise - Results
Kevin Mo	Natural Resources Defense Council (NRDC)	National Energy Consumption Target for Commercial Buildings
Ike van der Putte	International Federation of Consulting Engineers (FIDIC)	Sustainable Buildings Training Program

12:00 – 12:30 Q&A with Session 1 Moderator and Panelists

12:30 – 14:00 *Lunch - in the Libra & Gemini rooms (Level 1) of the Hotel*

MOU Ceremony: Memorandum of Understanding (MOU) between UNEP & BCA

John Keung, CEO, Singapore Building & Construction Authority (BCA)

Arab Hoballah, UNEP Division of Technology, Industry & Economics (DTIE)

14:00 – 14:30 SESSION 2: Stakeholder Round-Tables – Discussion of the Metric & Protocol:

Format: Plenary Discussion

Aims:

- *Facilitating group discussion on how the Metric & Protocol will guide measurement, data collection & reporting;*
- *Introducing Round-Table themes & content;*
- *Refining Round-Table themes based on outcomes of Session 1; and*
- *Organizing participants into parallel Round-Tables for focused work.*

Co-Moderators	Organisation	Additional contribution
Nils Larsson	International Initiative for a Sustainable Built Environment (iiSBE)	EEB Matrix and SBCI-Metrics - iiSBE
Greg Foliente	Commonwealth Science & Industry Research Organization (CSIRO)	UNEP-SBCI Delphi - Top-10 Performance Criteria, embodied & operational carbon

14:30 – 16:00 SESSION 3: Further Development of the Metric & Protocol:

Format: Stakeholder Round-Tables

Aim: Refine content and structure of Metric and Protocol

Round-Table A: Existing Data – *what data is already being collected/managed, by whom, and how? How can these efforts be linked and are they compatible?*

- a. Populations – UN-HABITAT (Global Urban Observatory)
- b. Data Collection – IEA, EIA, WRI, ICLEI, C40, OECD, GRI, others?
- c. Data Management/Data Quality/Data Reporting

Round-Table B: Calculation Methodology – *shall we use the UN Greenhouse Gas Calculator as a start for the protocol and template development for the SBC Metric?*

- a. Template for Protocol (modeled after)
- b. Energy Performance
- c. Greenhouse Gas Emissions
- d. Residential and Non-Residential

Round-Table C: Reporting – *what reports are most valuable to the industry – what do they look like?*

- a. Reporting: bottom-up & top-down, by country, city, portfolio, and building levels?
- b. Informing policies, flexible mechanisms (NAMAs), etc.
- c. Definitions/Glossary

Round-Table D: SBCI Strategic Planning (*SBCI Members Only*) – *how can SBCI best support the needs of the building industry?*

- a. 3-year Plan – milestones & deliverables
- b. Membership – key participation
- c. Budget - allocation

16:00 – 16:15 *Coffee Break*

16:15 – 17:30 Check-In with Stakeholder Round-Tables

18:15 *Meet in Hotel Lobby for Shuttle-Bus to dinner (bus will depart at 18:30)*

19:00-21:30 Official Dinner: Si Chuan Dou Hua Restaurant 80 Raffles Place, #60-01 UOB Plaza 1, Singapore 048624 Tel: 6535 6006 (*on top of UOB Plaza on Singapore River*)
Chinese restaurant, providing both vegetarian and Halal cuisine

DAY 2 - AGENDA

27th October 2009

9:00 – 15:15

9:00 – 9:15 Keynote: Efficient Building Scheme:
Maria Atkinson, Lend Lease, UNEP-SBCI Board

9:15 – 9:30 Review of Findings from DAY 1:
Peter Graham, UNEP-SBCI

9:30 – 11:00 Coming to Consensus: Stakeholder Round-Tables (continued)

11:00 – 11:15 *Coffee Break*

11:15 – 12:30 Report Out: Stakeholder Round-Tables Leaders

12:30 – 13:45 *Lunch*

13:45 – 15:15 Summary of Agreements & Next Steps: Arab Hoballah, UNEP DTIE

15:15 *Adjourn*

15:30 – 17:30 SBCI Board Meeting (SBCI Board Members Only) in the Boardroom (Level 6)