

**ISCN 2013 Conference
The Future Is Now**

Working Group 1

Buildings and their sustainability performance

Facilitated by
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Key Issues Discussed

- Establishing sustainable design and operations in existing buildings and infrastructure.
- The interaction between buildings/campus infrastructure and occupants with particular emphasis on the impact of occupant behaviour.
- The expansion of sustainable design principles to create green communities and establish the campus as a classroom.

PRESENTATIONS

- Water: issues and conservation in the Asia Region – Professor Chan Ngai Weng (University Sains Malaysia)
- Upgrading campus to a sustainability oriented university – Professor Hongwei Tan and Assistant Professor Shuqin Chen (Tongji University)
- Sustainable Practices on campus recycling and indigenous materials – Jaazeal Jakosalem (University of Negros Occidental - Recoletos)
- The impacts of occupant behaviour – a report on research project – Bart Meehan (Australian National University)

WG1: Key Findings

- Balancing the investment in engineered solutions and behavioural change (creating “conservation behaviour”)
- The importance of pre and post occupancy evaluations and education
- Communicating the objectives and providing information on outcomes
- Establishing motivations for changes that are not solely economic (e.g. water is cheap and available – why conserve it?)
- The importance of shared information and experience
- The importance of “values formation”
- The value of credible metrics to measure the impact of change and innovation.
- The value of “simple” (understandable) strategies

WG 1: Goals for 2014/2015 – Issues to be followed up through ISCN

- Assessing the importance of building/human interface
- Creating credible benchmarks and reviewing options for evaluation methodologies (integrated sustainability approaches – campus, student programs, research)
- Comparative evaluations of global sustainable building standards
- Review ability to include “building safety” as a reporting element for ISCN members.
- Review ability to include environmental protection (environmental risk management on campus construction as a reporting element for ISCN members.
- Include sustainable landscape integration into campus development as a reporting element for ISCN members.
- Establish ability to share information on technology products and design.
- Development a “knowledge base” of case studies on sustainable building and campus projects using an ISCN template (simple and useable format.)