SUSTAINABLE BUILDINGS & CONSTRUCTION - how to get there?

KAARIN TAIPALE ETHOS CONFERENCE 2008 SÃO PAULO



CONTENTS

- A Global Agenda?
- The Local Agenda
- Role of the public sector
- Role of the private sector

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SUSTAINABLE DEVELOPMENT - A SHORT HISTORY

- STOCKHOLM 1972 UNEP
 United Nations Environment Programme
- VANCOUVER 1976 UN-HABITAT
 United Nations Human Settlements Programme
- > "OUR COMMON FUTURE" (BRUNDTLAND REPORT 1987)
- RIO 1992 UNCED
 UN Conference on Environment and Development
- ➤ RIO+10 = JOHANNESBURG 2002 WSSD World Summit on Sustainable Development

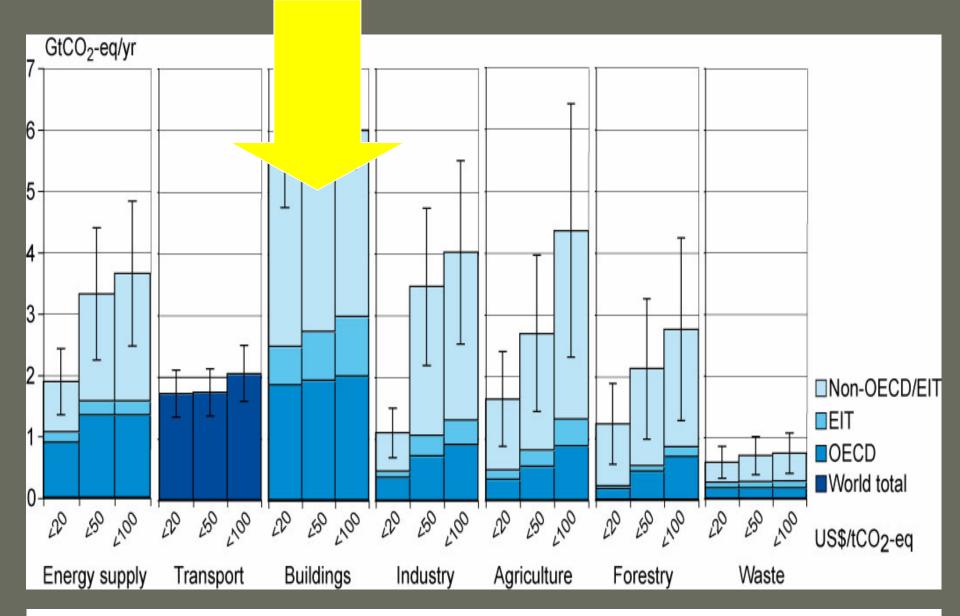
national governments!



IPCC

THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

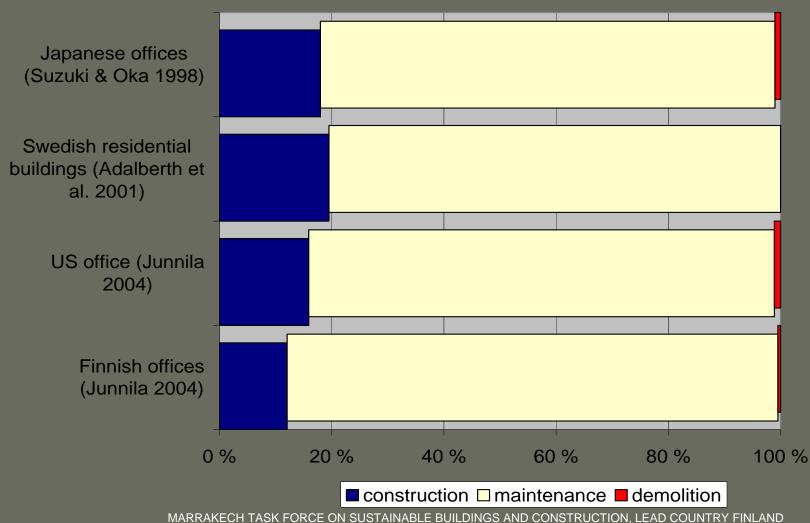
Fourth Assessment Report
Nov 2007



IPCC assessment of emission reduction potential of different sectors depending on the market price of carbon credits



ENERGY & LIFE CYCLE



COP-15 COPENHAGEN CLIMATE SUMMIT towards post-Kyoto

PROGRAM

Opening

Ms. Kaarin Taipale, Chair, Marrakech Task Force on Sustainable Buildings and Construction

Buildings: Impact and opportunities for dimate change

Ms. Sylvie Lemmet, Director, UNEP Division of Technology, Industry, and Economics (DTIE)

Industry driving energy efficiency in buildings

Mr. Christian Kornevall, Project Director, Energy Efficiency in Buildings (EEB), World Business Council for Sustainable Development

Buildings as energy producers, a case from Kuala Lumpur

Dr. Faridah Shafii, Associate Professor, and Chairperson, SB07SEA Conference

Property investors looking for incentives, too?

Mr. Craig Roussac, Morgan Stanley in Australia, member of the UNEP Finance Initiative (FI)

What can the UNFCCC do to promote sustainable energy use in the building sector?

Mr. Niclas Svenningsen, Coordinator, UNEP Sustainable Buildings and Construction Initiative (SBCI)

Discussion

Comments

Ms.Outi Berghäll, Vice Chair, Ad Hoc Working Group (AWG) on Further Commitments for Annex I Parties under the Kyoto Protocol

A light lunch will be available.







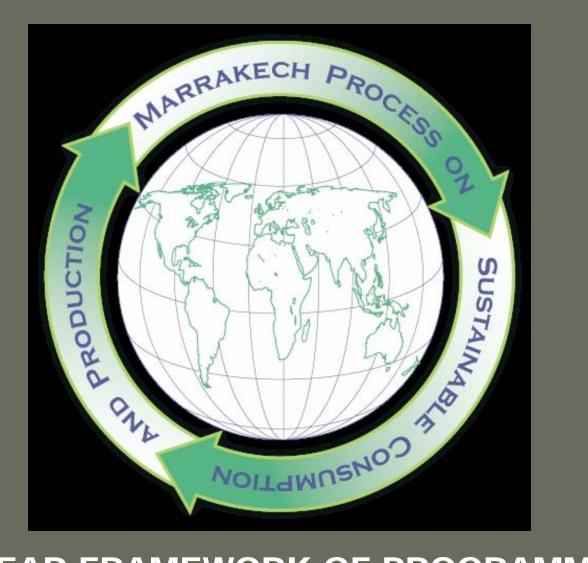


INTERNATIONAL ACTORS

- UNEP SBCI, UNEP FI
- MARRAKECH TASK FORCE ON SBC
- NAFTA CEC, "Green Building in North America"
- iiSBE, SB Conferences (SB08 Melbourne)
- WBCSD; Cement Initiative, EEB
- Holcim Foundation for Sustainable Construction



MARRAKECH TASK FORCE ON SUSTAINABLE BUILDINGS AND CONSTRUCTION lead country Finland



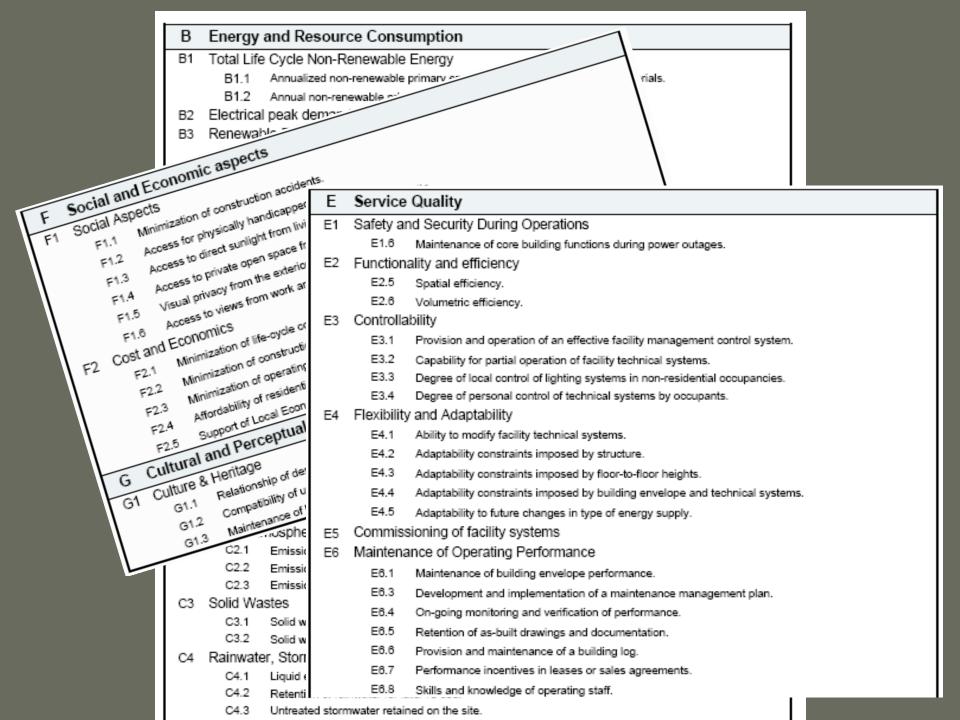
10-YEAR FRAMEWORK OF PROGRAMMES ON SUSTAINABLE CONSUMPTION & PRODUCTION

WHAT IS SUSTAINABLE CONSTRUCTION?









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GLOBALIZATION & GLOCALIZATION

pre-globalization > 1980s **GLOBAL** NATIONAL LOCAL

post-globalization < 1980s **GLOBAL** REGIONAL **NATIONAL** LOCAL

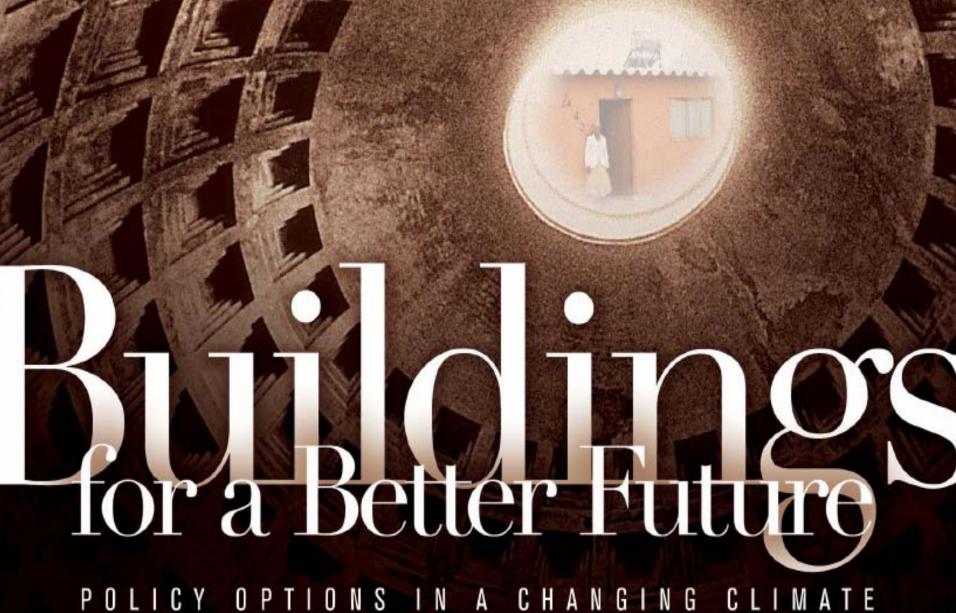


5TH AFRICAN ROUND TABLE ON SUSTAINABLE CONSUMPTION AND PRODUCTION JOHANNESBURG 4-6 JUNE





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POLICY OPTIONS IN A CHANGING CLIMATE

MARRAKECH TASK FORCE ON SUSTAINABLE BUILDINGS AND CONSTRUCTION



- 1. New construction
- 2. Housing
- 3. Refurbishment of existing buildings
- 4. Energy savings and energy efficiency
- 5. Use of renewable energy sources
- 6. National & federal policies & programmes
- 7. Local policies
- 8. Public procurement
- 9. Research and development
- 10. Building certification systems

PUBLIC PROCUREMENT

Top-Runner Approach in Japan

The best product on the market sets the standard for public procurement in Japan.

PUBLIC PROCUREMENT

Preventing corruption on construction projects

Transparency International has developed a Project Anti-Corruption System (PACS) specifically for construction projects. Implementation of PACS may be required by governments as a pre-requisite for project approval, by funders as part of the funding package, or by public or private sector project owners as a condition of participation in a project. It will also demonstrate the governments' commitment to the prevention of corruption.

LEAD BY EXAMPLE

- A Global Agenda?
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CITIZEN OR CONSUMER

- rights as citizen
- voice as a voter and a participant
- beneficiary of a public service
- public procurement

- rights as consumer
- voice as a shareholder
- buyer and user of a service or product
- purchasing

GOVERNANCE & PRODUCTION

- transparency
- equity
- basic services
- not-for-profit
- public goods
- place-bound
- efficiency
- accountability

- competition, IPR
- shareholder value
- CSR
- profit
- private goods, IPR
- independent of place
- efficiency
- accountability

- 1. Know your carbon exposure
- 2. Take action to reduce your carbon footprint and assess business opportunities
- 3. Influence the policy development process
- Hoffmann, Woody (2008) Climate Change, What's your business strategy?

LEAD BY EXAMPLE

...beyond the baseline...

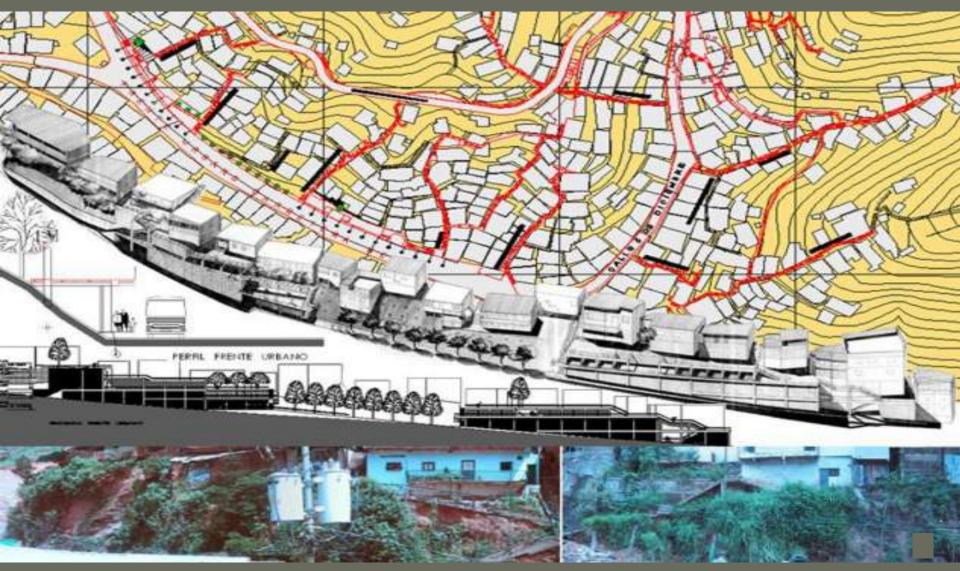


5 target issues of the HOLCIM AWARDS

- 1. Ecological quality and energy conservation
- 2. Economic performance and compatibility
- 3. Ethical standards and social equity
- 4. Contextual and aesthetic impact
- 5. Quantum change and transferability

Global Holcim Award Gold 2006

Mejoramiento San Rafael-Unido, Caracas, Venezuela



Global Holcim Award Gold 2006

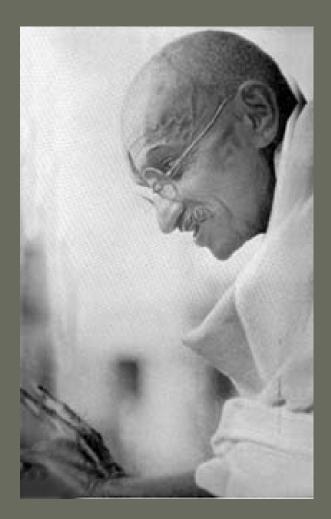
Mejoramiento San Rafael-Unido, Caracas, Venezuela



ESCALERA 28 DE NOVIEMBRE



Mohandas Karamchand Gandhi



I will give you a talisman. Whenever you are in doubt,.... Recall the face of the poorest and the weakest man [woman] whom you may have seen, and ask yourself, if the step you contemplate is going to be of any use to him [her]. Will he [she] gain anything by it? Will it restore him [her] to a control over his [her] own life and destiny? ... Then you will find your doubts and your self melt away