Buildings and Resource Efficiency: The 10YFP Programme on Sustainable Buildings and Construction (SBC)

Pekka Huovila
10YFP SBC Programme Coordinator
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A global framework adopted by Heads of State at Rio+20 for a international cooperation to shift towards sustainable consumption and production (SCP) patterns in developed and developing countries.

“The major cause of the continued deterioration of the global environment are the unsustainable patterns of consumption and production...”

“SCP is one of the overarching objectives of, and essential requirements for, sustainable development.”

“Encourage and promote the development of a 10-year framework of programmes (10YFP) ..to.. shift towards SCP patterns....” (JPOI, 2002)

A/CONF.216/5 (paragraph 226 – “The Future We Want”). 10YFP adopted

An implementation mechanism for the SDGs

Agenda 21, Rio de Janeiro, 1992
Johannesburg Plan of Implementation (JPOI), 2002
Marrakech Process, 2003-11
Rio +20, 2012

SDGs and Post-2015
**10YFP main objectives**

- **Accelerate the shift towards SCP in all countries** by supporting regional and national policies and initiatives.

- **Increase RE and decouple economic growth** from environmental degradation, creating decent jobs and contributing to poverty eradication and shared prosperity.

- **Support capacity-building** and facilitate access to financial and technical assistance for developing countries, to implement SCP activities at all levels.

- **Serve as an information and knowledge sharing platform on SCP** to enable all stakeholders to exchange policies, tools, initiatives and best practices, enhancing cooperation.
10YFP added-value as an implementation mechanism

- 10YFP responds to **intergovernmental mandate** to accelerate shift to **SCP patterns**
- Creates **greater collective impact and scaling up** for shift to SCP, with focused **implementation projects** on the ground
- Responds in a **coherent and cost effective** manner to regional and **national needs and priorities**, via national and stakeholder focal points – building from the bottom up
- Secures **additional sources of funding** for shift to SCP, by creating broader, more innovative projects and partnerships
- 10YFP could **support governments and other stakeholders** to achieve SCP targets across the SDGs and in the post-2015 development agenda
10YFP Programmes bring actors together for **collective impact**, including **capacity building**, at national and regional levels.
What is expected?

- Promotion of the added value of SCP for all countries
- Supporting integration of SCP in decision-making at all levels
- Raising awareness and engaging civil society, including education for SCP
- Facilitating access to technical assistance, training, finance, technology and capacity-building, in particular for developing countries
- Making use of the scientific and policy knowledge base and relevant international science policy mechanisms
- Promoting the engagement of the private sector in efforts to achieve SCP
- Fostering innovation and new ideas, while increasing recognition of traditional knowledge contributing to SCP
SBC Multi-Stakeholder Advisory Committee (MAC)

Co-Leads

- Ympäristöministeriö
  Ministry of the Environment
- RMIT University
- UNEP
- World Green Building Council

MAC

Governments
- Singapore, Malaysia, South Africa, France

Business organisations
- WBCSD, Skanska

Academia
- Tsinghua China, Politecnico Italy, Energies 2050 France

IGOs
- UN-Habitat, UNOPS

NGOs
- SEEA US
- TERI India
- Bioregional UK
- Development Alternatives India
- WWF
- RICS
- UNEP-SBCI
## The Sustainable Buildings and Construction Programme Areas

### Programme Mission and Objectives

The 10YFP Programmes aim to:
- Share information and tools to learn best practices
- Increase cooperation and networking among all stakeholders
- Raise awareness and engage civil society
- Strengthen and make use of scientific and technological capacities
- Foster innovation and new ideas, while increasing recognition of traditional knowledge.

### SBC Programme Areas

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<th>1</th>
<th>Establish, promote, and enable conditions for sustainable building and construction policies</th>
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<td>• Foster and share research, tools, financial and other approaches</td>
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<td>• Maintain and engage in global dialogue to develop and promote common language and tools related to SBC</td>
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<td>• Foster enabling frameworks for SBC</td>
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<th>Support and promote sustainable housing</th>
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<td>• Piloting sustainable housing approaches in the affordable and social housing markets</td>
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<td>• Promote SBC policies for the broader housing sector</td>
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<td>• Support synergies with relevant programmes e.g. SPP</td>
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<th>Enhance sustainability in the building supply chain</th>
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<td>• Identify and share analytical tools, and conceptual work to improve knowledge for resource efficient decisions</td>
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<td>• Promote policies to integrate resource efficiency</td>
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<td>• Engage upstream stakeholders and supply chains towards resource efficiency</td>
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<th>Reduce climate impact and strengthen climate resilience of the building and construction sector</th>
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<td>• Identify and share core analytical tools, conceptual work and improved knowledge base for supporting decision making for a more climate resilient and low emission buildings and construction sector</td>
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<td>• Promote resilient and low emission SBC planning and piloting</td>
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Enhance Sustainability in Building Supply Chain

Identify and share core analytical tools, conceptual work and improved knowledge base for supporting decision making towards resource efficiency in building supply chain

- Identify hotspots of environmental impact and areas not being tackled sufficiently and promote responsible management and/or alternatives such as re-use of building waste
- Promote lifecycle assessment and tools for energy, carbon, water and materials (including waste)
- Facilitate and share data on impacts of resource use
- Use of local and regional materials and resources
Enhance Sustainability in Building Supply Chain

Promote policies to integrate resource efficiency in building supply chain

• Identify and promote government policies and toolkits to aid resource efficiency in SBC
• Foster economic incentives and market strategies to promote resource efficiency in buildings
• Engage upstream stakeholders and supply chains towards resource efficiency
Enhance Sustainability in Building Supply Chain

The measures of success

• Increased resource efficiency (use of energy, water, natural resources (e.g. wood), and waste) as demonstrated by quantitative data
• Reduced material use by construction sector through reductions in CDR waste generated
• Number of policy initiatives mainstreamed or new policies developed
• Identification and adoption of indicators for life cycle approach in the building and construction sector.
Foster enabling frameworks to implement SBC policies

Foster and share research, tools, financial and other approaches related to SBC

- Identify tools, financial mechanisms, apply LCA and promote monitoring throughout the whole lifecycle of buildings (including construction, usage, maintenance, repair, demolition/reuse) and infrastructure to track and assess progress towards sustainability (e.g. design criteria, product certification, and verification and reporting methodologies).
- Forecast demand for the building and construction sector
- Benchmark performance metrics
- Evaluate appropriate technologies and approaches to promote sustainability in the built environment
Foster enabling frameworks to implement SBC policies

Maintain and engage in global dialogue to develop and promote common language and tools related to SBC

Foster enabling frameworks for SBC
• Identify, promote and foster operationalization of enabling frameworks to implement policies and regulations on SBC
• Promote regulations that ensure operating performance data is accessible to relevant stake-holders
• Increase synergies amongst and engagement of relevant stakeholders to foster enabling SCP frameworks and within the context of the other SCP programmes
Foster enabling frameworks to implement SBC policies

The measures of success

• Number of governments adopting and applying policies promoting sustainable building and construction
• Number of relevant stakeholders engaged
• Number of participating countries and organizations engaged
• Number of tools and research activities identified, promoted and shared
SBC Geographical Coverage

- **Europe**: MoE
- **Africa**: RMIT
- **Asia**: UNEP
- **Oceania**: WGBC
- **LAC**: Coordinator
- **North America**: Coordinator
SBC Action Plan

**ACTORS**
- **LEAD:** MoE
- **CO-LEADS:** RMIT, UNEP, WGBC
- **MAC**
- SUBSTACE EXPERT GROUPS
- SUPERVISOR GROUP
- OTHER FUNDING INSTRUMENTS
- OTHER 10YFP PROGRAMMES
- OTHER STAKEHOLDER GROUPS
- SCP CLEARINGHOUSE
- 10YFP SECRETARIAT & BOARD

**ACTIVITIES**
- INFORMATION COLLECTION
- BRAINSTORMING
- E-MEETINGS
- REPORTING
- INFORMATION MANAGEMENT
- COMMUNICATION/ANNOUNCEMENTS
- MATCH FUNDING
- INPUT/EXCHANGE/SURVEY
- DISSEMINATION
- MARKETING
- PROMOTING COLLABORATION

**TOOLS**
- QUALITY GUIDE
- EMAIL
- WEBSITE
- GOTOMEETING
- DROPBOX
- GOOGLE DRIVE
- LINKEDIN
- FACEBOOK
- E-PARTICIPATION
- NETWORKING PLATFORMS
- CO-CREATION

*innovation enablers*
SBC Output 2015-16

- 50 Partners joined
- 25 Good SBC Practices reported
- 10 Media hits
- 5 Implementation projects prepared
- 3 Trust Fund projects launched
- 2 Flagship projects planned
- Co-creation working platform
- Collaborative learning
SBC Milestones

- 10 April: presentation to the Finnish Expert Group
- 13 April: approved by the 10YFP Board
- 20 April: launch in UN-Habitat Governing Council Nairobi
- 16 May: presentations in 10YFP meetings in NY
Next Steps

- 15-16 July: Flagship project preparations in Paris
- 10-11 September: MAC kick off in Helsinki

September 2015
- Detailed Work Plan completed
- Collaborative platform running
- Trust Fund Call Concept Note preparations
- Partner Invitations
- Good Practices
- Innovative working methods