



The Role of Science Technology and Innovation in SDGs

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Outline

- Current State of Affairs
- The SDGs
- The Challenge
- Importance of Science, Technology and Innovation
- Role of Sustainable Consumption and Production (SCP)
- Way forward



Current State of Affairs

- Increasing trend of detrimental impact on the environment due to human
- Many resources on which humanity depends for survival are witnessing trends that, if continued, would lead to depletion or collapse
- Some of the major ecosystems such as oceans are thought by scientist to be approaching dangerous thresholds that could trigger massive collapse



The SDGs

- The 2030 Agenda, adopted at the United Nations Sustainable Development Summit in September 2015, positioned Science, Technology and Innovation (STI) as key means of implementation of the SDGs.
- The SDGs represent an aspirational and practical definition of sustainable development applying to all countries. This broad set of interdependent social, economic, and environmental goals reflects value judgments made specific through the establishment of an array of targets and indicators.



The Challenge

- Lack of understanding and proper knowledge
- Translating Knowledge into policies
- Effective Policies
- Science Policy Interface
- Adequate funding
- Targets and action
- M&E



Importance of Science, Technology and Innovation

- The role of Science, Technology and Innovation (STI) cannot be overlooked in delivering the SDG
- Crucial to achieving the SDGs are
 - scientific knowledge on the issues (problem)
 - trends
 - statistical data
 - target and indicator settings
 - measuring the achievement
 - evidence in policy making
 - knowledge and implementation gaps



Importance of Science, Technology and Innovation

- Existing and new problems require new and innovative technologies, and re-packaging and re-adjusting existing and current technologies and practices
 - Innovations in clean energy technologies which can assist in cost reduction and acceleration of displacement of fossil fuels to mitigate anthropogenic climate change.



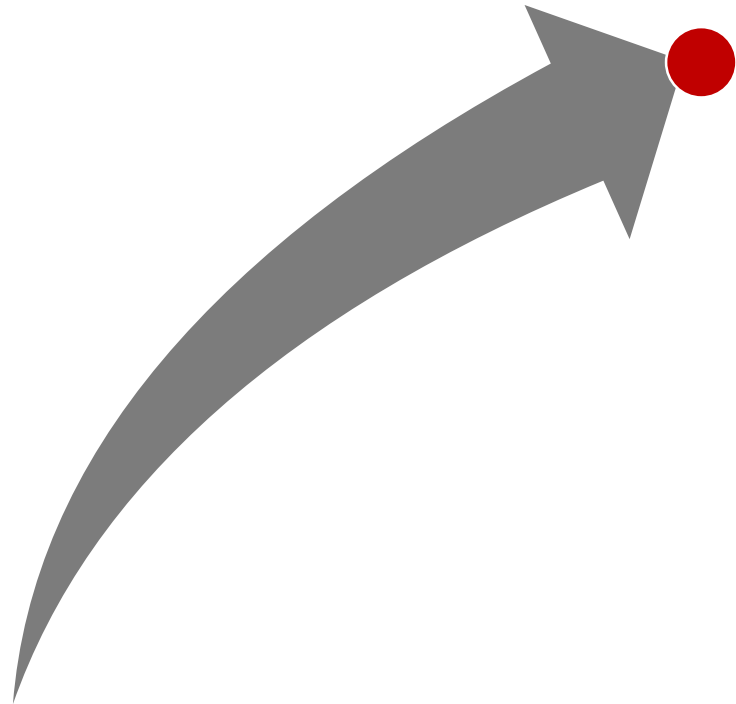
Role of SCP

- Understanding the consumption and production patterns are crucial for achieving the SDGs
 - Determine policy actions based on scientific data
 - Determine the innovations and technologies required to tackle the existing consumption and production patterns
 - Develop innovative ways/ technologies to deal with problems caused by current unsustainable consumption and production patterns
 - Develop sustainable alternatives



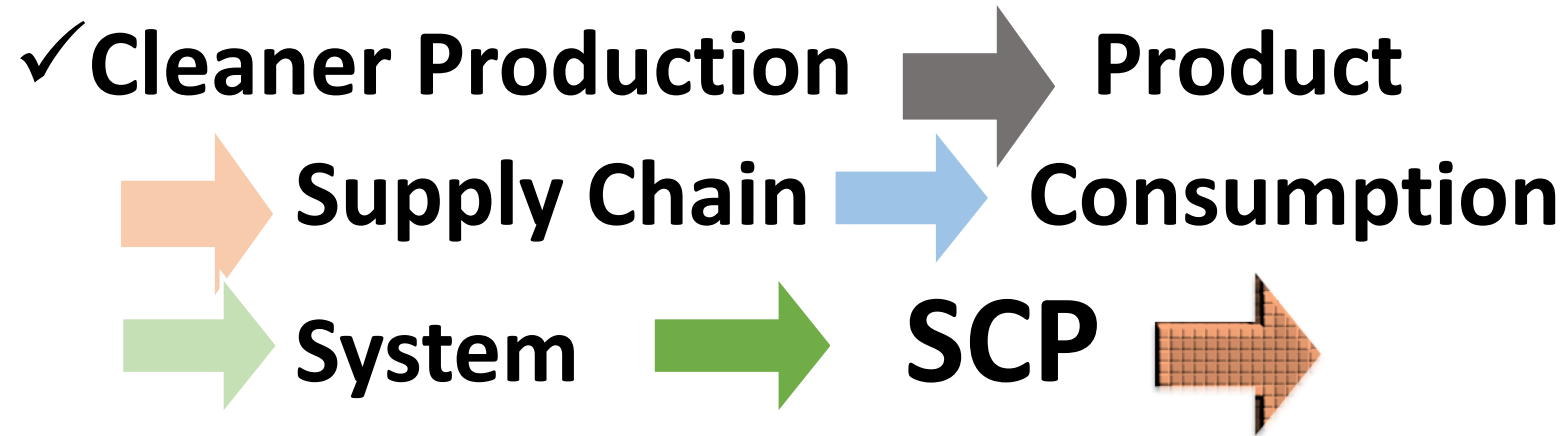
SWITCHing to SCP

Enable ...



Impact ...

Why do we need SCP?



- Of concern to & direct responsibility of Government/public, private/business, civil society and consumers;
- SYSTEM Approach and LCA/LCM**



SWITCH-ASIA PROGRAMME

...SUPPORTS POLICY MAKERS



...CONNECTS ALL STAKEHOLDERS



NETWORKING



DISTILLING KNOWLEDGE



PROMOTING SCP



BUILDING COMMUNITIES
OF INTEREST

...FUNDS GRANT PROJECTS THROUGH EU DELEGATIONS



ECO-INNOVATION
FOR SMEs



SUSTAINABILITY
LABELS



CORPORATE
SUSTAINABILITY
REPORTING



CLEANER
PRODUCTION



SUSTAINABLE
SUPPLY CHAIN
MANAGEMENT



CONSUMER
AWARENESS
RAISING

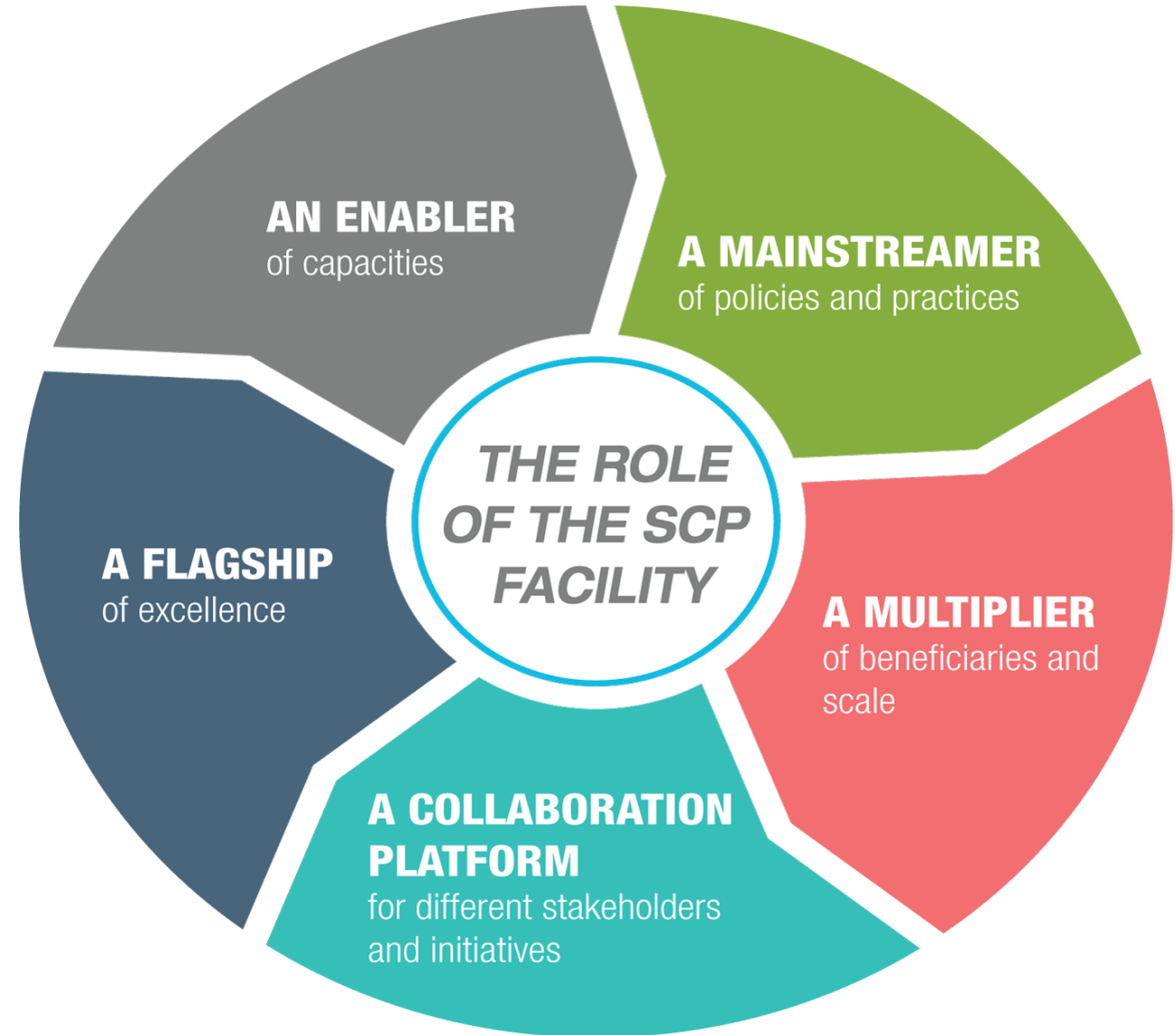


GENDER
INCLUSION



**SWITCH-Asia,
since 2007,
24 Countries,
106 Grant
projects**

**From
Network
to SCP
Facility...**



SCP in Asia - Framing Needs

- Expand SCP mainstreaming in policies and Strengthen implementation
- Proactive stimulation of demand; Demand-driven technical assistance
- Enable elaboration, coordination, implementation of SCP/alike policy portfolio, action plans, relevant tools and practices
- Induce/Support organization of national SCP Multistakeholder Consultations
- Establish Communities of Interest for shared understanding & delivery
- Scale-up, Expand and Replicate good practices



Way forward

- Achieving the SDGs requires understanding and adoption of SCP
- Investment and financing for new and innovative technologies to adopt to SCP
- Adoption of a holistic approach to achieving the SDGs
 - Need to better mainstream SCP in existing policies, unless need for SCP specific policy/action plans
 - Approach through resource efficiency and economic case essential
- Innovation in policy
- Translating policy into practices specially those that are aimed at SCP and SDGs
- Understanding and strengthening the science policy interface



Way forward

- Integrated assessment tools to find desirable pathways that resolve trade-offs and maximize synergies
- Holistic approaches and strategies
- Better M&E

Thank you

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