



Strengthening the Environmental Dimensions of the SDGs in Asia and the Pacific: Tool Compendium

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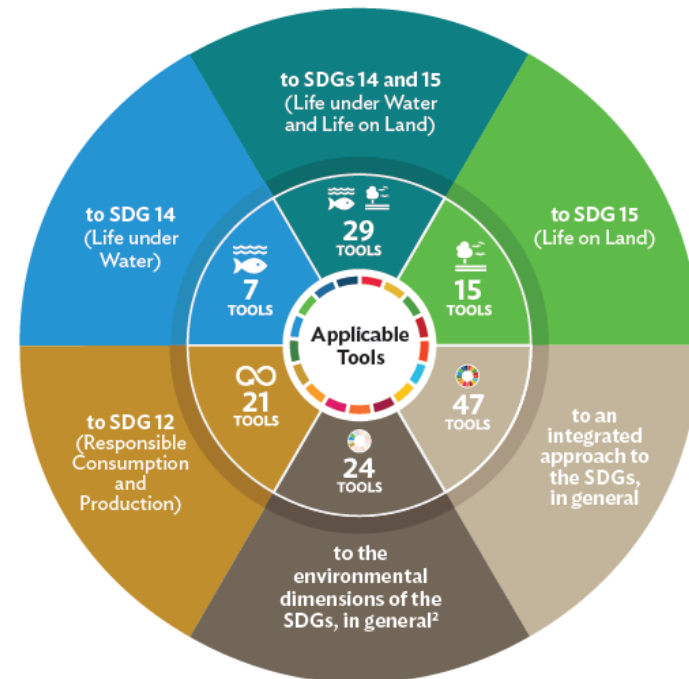
Rationale for the Tool Compendium

Countries are using different tools for sector-based planning and implementation.

But there is a lack of familiarity with tools that can facilitate an integrated approach.

During the stocktake, countries identified the need for...

- Guidance to support institutional coordination to aid integration of environmental priorities and strengthen horizontal and vertical policy coherence
- Tools to improve government interface and engagement with other stakeholders during policy formulation
- Tools for effectively linking development plans with financing and investment, e.g. green bonds, green taxes, climate change budget tagging etc.
- Guidance highlighting best practice in innovative technologies and approaches, e.g. circular economy approach, green procurement, and sustainability reporting



Types of Tools in the Tool Compendium

Application Type	Number of Tools	Section	Page number
Tools applicable to an integrated approach to the SDGs, in general	47	Section 3	19
Tools applicable to environmental dimensions of the SDGs, in general ^a	24	Section 4	60
Tools applicable to SDG 12 (Responsible Consumption and Production)	21	Section 5	84
Tools applicable to SDGs 14 and 15 (Life below Water and Life on Land)	29	Section 6	108
Tools applicable to SDG 14 (Life below Water)	7	Section 6	138
Tools applicable to SDG 15 (Life on Land)	15	Section 6	144

- Strategic tools
 - Ensure appropriate weighting of the environmental SDGs
 - Conceptual, create mutual understanding and consensus
- Procedural tools
 - Assess the extent to which policies, plans, and programs support environmental objectives
- Organizational tools
 - Applied to implement wider changes in institutional structures and governance
 - Strengthen the position of environmental stakeholders while creating wider “umbrella” collaborative networks

Figure 2.1: Stages in the Policy Cycle as Used for the Tool Compendium



Source: Asian Development Bank.



DESCRIPTION

This is a web-based [tool](#) (version 2.0) that can be run in nine Asian countries allowing users to

- visualize the interlinkages between SDG targets;
- identify potential synergies and trade-offs between SDG targets;
- explore indicator-level time-series data for the selected countries; and
- compare how a given country is progressing and performing over time.

[Sustainable Development Goals Interlinkages and Network Analysis: A Practical Tool for SDG Integration and Policy Coherence](#) (2017) provides guidance in using the tool. Users can visualize the interlinkages and explore indicator-level time-series data for the country, SDG, or target they are interested in. Binary linkages between each pair of SDG targets (from the total of 169 SDG targets) and indicator-level time-series data are based on an extensive review of existing scientific literature and relevant international policy documents. This research enables users to construct a network of interlinkages, presenting causal links between the SDG targets.

STRATEGIC



FUNCTION

- Situational analysis
- Strategic interlinkage analysis
- Barrier analysis
- Indicator development and measurement

DEVELOPER

Institute for Global Environmental Strategies

USE REQUIREMENTS

Open source

EXPERIENCES OF PRACTICAL APPLICATION

The tool is currently populated for use in [Bangladesh](#), Cambodia, India, Indonesia, Japan, the Philippines, the People's Republic of China, the Republic of Korea, and Viet Nam, with country examples included in the guidance.

SDG Interlinkages Example

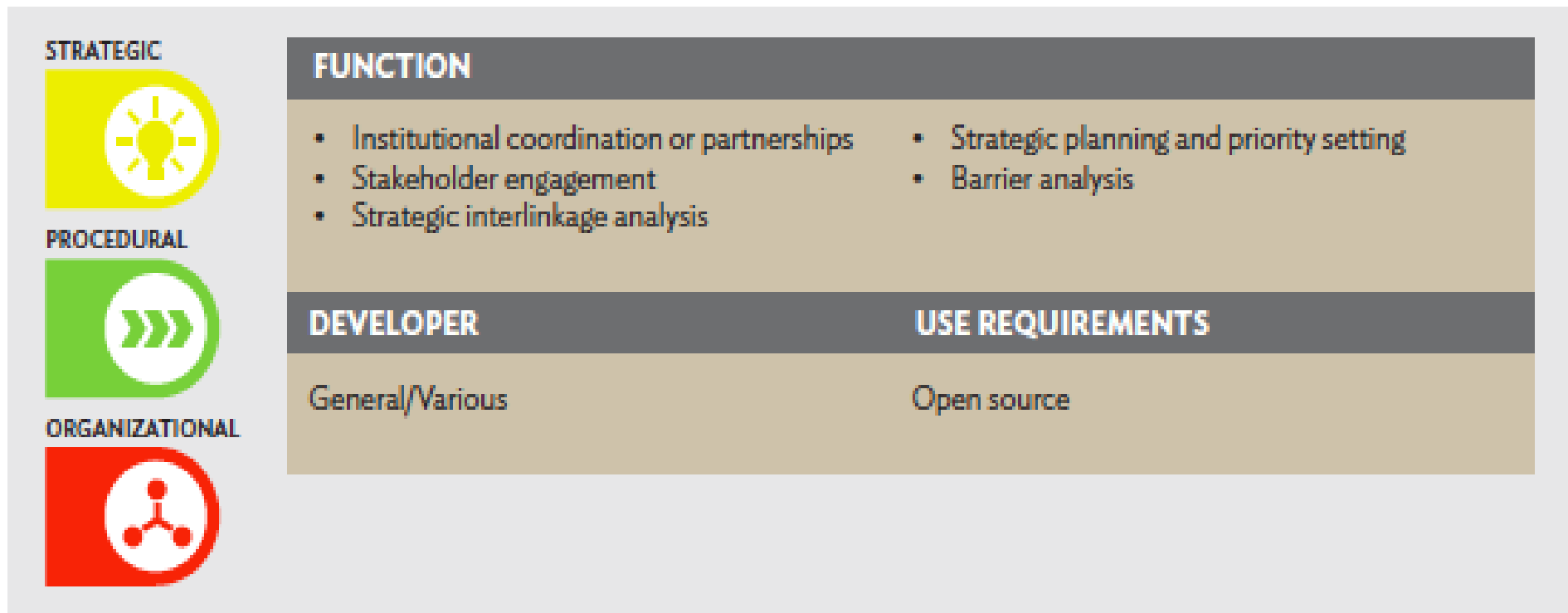
Policy Cycle Application

Stage 1: Issue identification and framing.

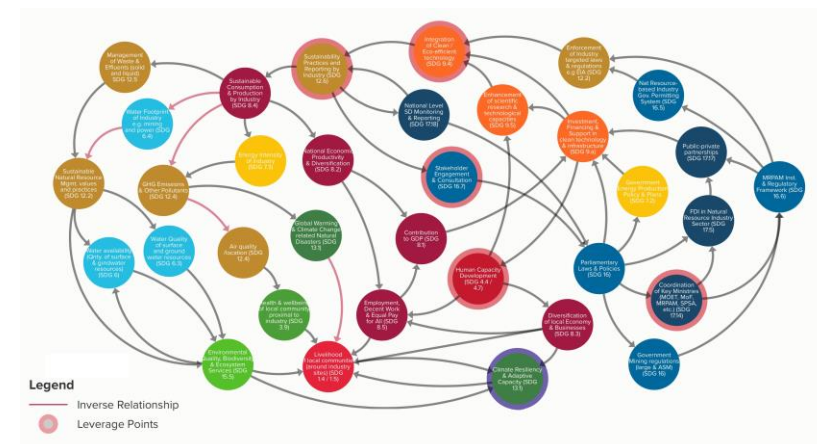
Stage 4: Monitoring, evaluation, and reporting.



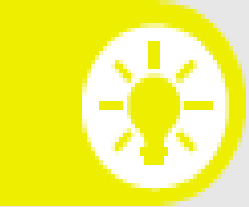

Tool Example: Systems Thinking



Considers the interlinkages and interactions between the system's components and seeks to address them in a holistic manner.



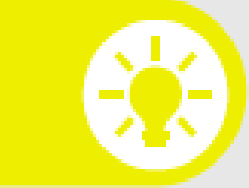

Tool Example: Nexus Approaches

STRATEGIC 	FUNCTION	
	<ul style="list-style-type: none">• Situational analysis• Dynamic simulation and modeling	<ul style="list-style-type: none">• Strategic interlinkage analysis• Barrier analysis
PROCEDURAL 	DEVELOPER	USE REQUIREMENTS
	General/Various	Open source; Global CLEWS model requires computer and internet access

- Food-Water-Energy (FEW) Nexus
- UNECE's Water-Food-Energy-Ecosystems (WFEE) Nexus
- Sweden Royal Institute of Technology and UNDESA's "Climate, Land Use, Energy and Water Development (CLEWD) Nexus

Tool Example:


Strategic Environmental Assessment (SEA)

STRATEGIC 	FUNCTION	
	<ul style="list-style-type: none">Stakeholder engagementImpact and risk assessment	
PROCEDURAL 	DEVELOPER	USE REQUIREMENTS
	General/Various	Open source, but assessment requires expertise in environmental assessment methodology

Assesses the potential impact of policies, plans, and programs on the environment, and taking environmental considerations into account in the decision-making process.

Tool Example:

System of Environmental Economic Accounting (SEEA)

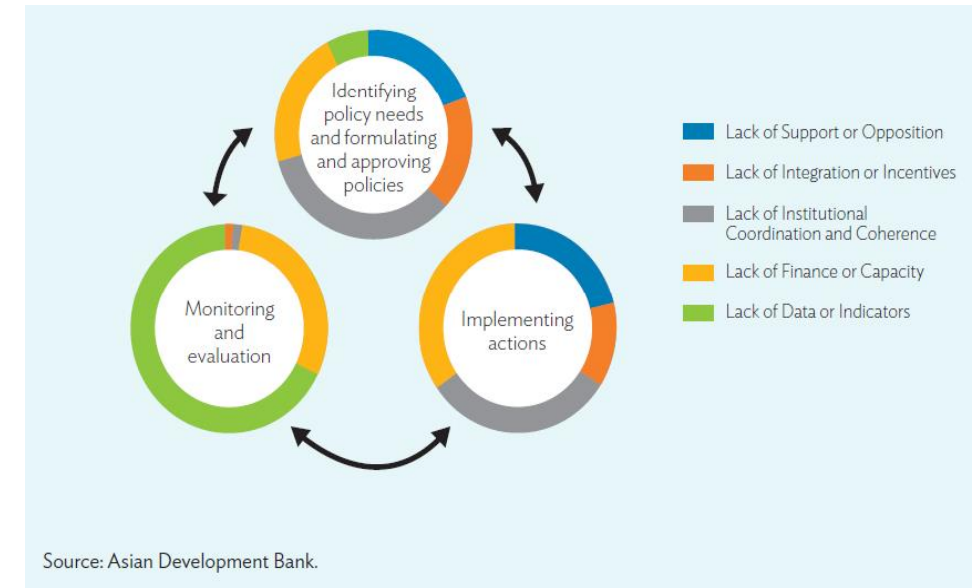
PROCEDURAL 	FUNCTION	
	<ul style="list-style-type: none">• Situational analysis• Strategic interlinkage analysis• Strategic planning and priority setting• Budgeting	<ul style="list-style-type: none">• Investment and financing• Indicator development and measurement• Data management, reporting, and verification
	DEVELOPER	USE REQUIREMENTS
	UN, European Commission, Food and Agriculture Organization of the United Nations (FAO), Organisation for Economic Co-operation and Development (OECD), International Monetary Fund, and World Bank Group	Open source, but a certain level of expertise is required to implement the SEEA

A framework that brings together a comprehensive set of economic and environmental accounts to measure the condition of the environment, the contribution of the environment to the economy, and the impact of the economy on the environment.

By selecting appropriate approaches, tools and methods, and tailoring them to their country situation and capacity to implement, governments and private sector can better...

- Understand the critical interlinkages within and between goals and targets
- Promote policy coherence and integration of the SDGs' environmental dimensions
- Develop and select appropriate indicators, policies, plans, and institutional arrangements, to support effective implementation of these environmental dimensions
- Ensure that appropriate emphasis is given to SDGs 12, 14, and 15
- Some pilot projects made use of the tools in the compendium but tailored to their own national context.

Identified Challenges at Different Stages of the Policy Cycle





Environment
in SDGs
Asia-Pacific

Thank you.

<https://events.development.asia/learning-events/regional-knowledge-sharing-workshop-strengthening-environment-dimensions-sdgs-asia>

