National Action Plan on Sustainable Consumption & Production

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10YFP

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SCP in SDGs

Access to natural resources for energy, food, water

Sustainable food systems

Chemicals in air/water pollution

Education for sustainable lifestyles

Reduce water pollution
Water efficiency

Renewables
Energy efficiency

Resource efficiency
Sustainable Tourism

Sustainable infrastructure, industry
Environmentally sound technologies

Sustainable urbanisation, transport
Resource efficient cities

Climate change mitigation

Sustainable fisheries, tourism

Need to apply SCP to trade

THE GLOBAL GOALS
For Sustainable Development

SCP also has a stand alone Goal

Goal	Linkage to sustainable resource management and SCP
	• **National Action Plan on SCP**, contribute to 10 Year Framework of Programs on SCP • Achieve **sustainable efficient natural resources use** • Halve **food waste** and loss • Achieve environmentally sound management of **chemicals** and wastes • Reduce **waste** generation • Encourage **companies** to adopt sustainable practices and to report • Promote sustainable **public procurement** • Ensure awareness for sustainable development and **lifestyles** in harmony with nature • Strengthen their **scientific and technological** capacity to move towards SCP • Develop and implement tools for sustainable **tourism** • Rationalize inefficient fossil-fuel **subsidies**

SCP also has a stand alone Goal

Goal	Linkage to sustainable resource management and SCP
	The 10 Year Framework of Programs on SCP contains the following Thematic groups 1. Sustainable Lifestyles and Education 2. Sustainable Tourism 3. Consumer Information 4. Sustainable buildings 5. Sustainable Food Systems 6. Sustainable Public Procurement

SCP in Pakistan

"SCP is utilizing natural resources in an efficient way. We are a country that is not very efficient yet. SCP to me is improving our efficiency."

Mr. Irfan Tariq
Ministry of Climate Change, Pakistan.

"SCP to me is part of the everyday activities in our lives. It is consuming less for more in order to have a bright tomorrow"

Ms. Roshan Ara,
Development Advisor,
EU Delegation, Pakistan.

"SCP to me is increased resource efficiency. It requires individual and collective action for change."

Ms. Bella Evidente
UN-Habitat, Pakistan.

"SCP to me is policy makers making it easier and cheaper to produce goods and services more efficiently."

Dr. M. Aman Ullah
Planning and Development Department:
Government of the Punjab, Pakistan.

SCP in Pakistan

12.2 Natural resource use monitoring

(database, country report, infographics)

12.1. National Action Plan on SCP

(national consultations, province consultations, zero draft national action plan, revised National sustainable Development Strategy.)

12.8. Tertiary curricula on SCP (with HEC)

- Ethics, civics plus standalone course
- Next steps – textbook, teachers training

12.1/11. Green building guidelines (with UNHABITAT)

2.4. Sustainable rice production

(National roundtable 23 May, Implementation of sustainable rice standard in Punjab with Helvetas and Mars)

7. Sustainable lighting

Pakistan’s Resource Use Efficiency

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What are natural resources?

Pakistan's State of Environment reports will inform how much resources can be used sustainably….

…and what level of emissions the environment can absorb.

What is resource efficiency?

Resource Efficiency is the ratio between natural resource use and the socio-economic benefits derived

Pakistan's resource use?

Domestic Extraction: **50 billion tonnes**

Domestic Material Consumption: **51 billion tonnes**

Material Footprint: **46 billion tonnes**

The blocks represent global resource use: 81,000 million tonnes

Of that, Pakistan uses 814 million tonnes

Pakistan’s resource use?

Pakistan's Domestic Material Consumption is 813 million tonnes:
784 million tonnes of extraction from its environment, plus 62 million tonnes of imports minus 33 tonnes of exports

Pakistan's resource use?

It takes 251 million tonnes to produce the 33 million tonnes of exports.

Exports get $0.66/kg – half the average for developing countries in the region

Materials exported: 33 million tonnes

Materials needed to produce exports: 251 million tonnes

Materials entering Pakistan's economy: 847 million tonnes

Pakistan's resource use?

If we only look at Pakistan's material use for its own consumption, and exclude materials used to make exports, then we have the Material Footprint. For Pakistan, this was 577 million tonnes in 2015, far less than its Domestic Material Consumption.

This is 3.1 tonnes per capita per year. It is about a quarter of the regional average, but grew 13% in the past 5 years alone.

Pakistan's resource use?

Pakistan's resource use?

IAEG indicator 7.2.1:

Pakistan used 4,353 petajoules of energy in 2015. Of this, 37% was renewable.

The amount of renewable energy grew each year, but the amount of non-renewable energy grew faster, therefore the share of renewable energy is declining.

Pakistan's resource use?

SDG 6.4: Water efficiency

- Pakistan: 1,070 liters per dollar
- Asia: 128 liters per dollar

UNEP Indicators for a resource efficient and green Asia and the Pacific
Water per $USD of GDP
Thailand
254 Litres
Australia
26 Litres
Papua New
Guinea
60 Litres
Japan
19 Litres
Republic of
Korea
25 Litres
Vietnam
1,048 Litres
China
142 Litres
India
608 Litres
Indonesia
300 Litres
Lao PDR
876 Litres
Mongolia
160 Litres
Pakistan
1,318 Litres
2:37 / 5:42

Pakistan's resource use?

SDG 7.3 : Energy Efficiency

Units: Megajoules per dollar

Energy

1 USD

- Pakistan: 25 MJ per dollar
- Asia: 16 MJ per dollar

National Program on SCP thus far

Objective:	**To strengthen national policy frameworks that facilitate resource efficiency and sustainable consumption and production (RE/SCP).**	
Outcomes:	**1. Mainstream SCP into national macro level policy making**	**Sectoral Policy development**
Activities:	National roundtables on SCP	**Sustainable Building code**
	Province roundtables on SCP	SCP in Tertiary education
	Revised National SD strategy	
	National Action Plan on SCP	
	High level political event	
Indicators of achievement	SCP national action plans developed, and/or revised strategies integrating the SCP approach, policies and tools. **- Indicator for achievement of SDG target #12.1**	Number of national SCP policies implemented - **Depending on the sector, this will be an indicator of achievement of a further SDG target**.

Population: 93 million
GDP: 98 billion
Resource efficiency: 9.8 kg/$

Per Capita:
Import footprint: 1.5 t
Import: 0.8 t
Domestic Extraction: 10.4 t
Material Footprint: 8.9 t
Export Footprint: 3 t
Export: 0.9 t

Population: 126 million
GDP: 4,800 billion
Resource efficiency: 0.3 kg/$

Per Capita:
Import footprint: 18 t
Import: 6 t
Domestic Extraction: 5 t
Material Footprint: 21 t
Export Footprint: 1.3 t
Export: 1.3 t

Population: 1,300 billion
GDP: 1,700 billion
Resource efficiency: 4 kg/$

Per Capita:
Import footprint: 0.9 t
Import: 0.4 t
Domestic Extraction: 5 t
Material Footprint: 4.5 t
Export Footprint: 1.5 t
Export: 0.3 t

Thank you

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