



Life Cycle Initiative



International  
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Panel



WORLD RESOURCES FORUM  
Geneva, 23-24 October 2019

# Apply Life Cycle Thinking to achieve green business and sustainable development

## SCP Hotspot Analysis Tool



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United Nations  
Environment Programme

UN  
environment

# What is the SCP HAT?

<http://scp-hat.lifecycleinitiative.org>



**Data on Environmental and Socio-economic performance**

171 countries over 25 years

**Areas of improvements**

**High-impact areas  
and sectors**



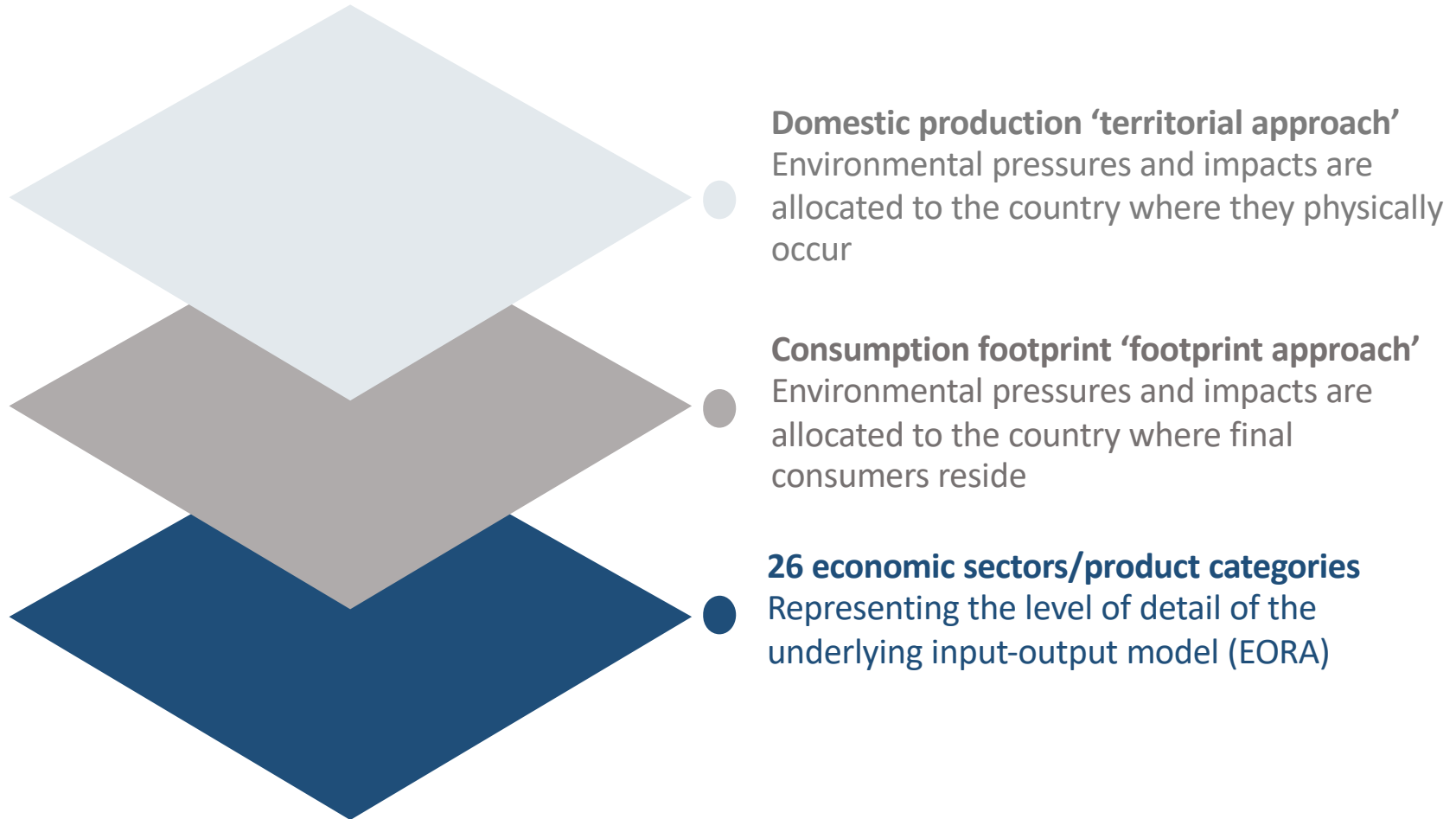
**'Hotspots'**

**Implementation of National science-based SCP strategies**



# Focus & Methodology

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# Indicators

The prototype integrates data on:



Raw material use



GHG emissions and climate change



Air pollution and health



Land use and  
biodiversity loss



## ➤ Environmental pressures

- Raw material use
- Land use (occupation only)
- Emissions of greenhouse gases
- Emissions of particulate matter and precursors

## ➤ Environmental impacts

- Mineral resource scarcity
- Fossil resource scarcity
- Short-term climate change
- Long-term climate change
- Potential species loss from land use
- Damage to human health from particulate matter

## ➤ Basic socioeconomic data

(GDP, HDI, value added, output, employment per sector, men/women employment).



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# MODULE 1: Country Profile

The screenshot shows a web browser window with the URL `scp-hat.lifecycleinitiative.org/module-1-country-profile`. The page features the SCP Hotspot Analysis logo in the top left and a navigation menu with 'Home', 'Modules', 'Methods & Data', and 'About Us'. The main content area has a background image of hands pointing at a map. The text on the page reads:

## MODULE 1 COUNTRY PROFILE

MODULE FOR  
**ANALYSING COUNTRY PERFORMANCE**

This module provides key information on a **country's performance** in the context of **SCP-related policy areas**. For each area, the policy context and the main indicators used are explained.

Graphs and visualisations help to get an insight in the selected country's performance.

Country Profile for [Afghanistan](#)



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# MODULE 2: Hotspots Identification

The screenshot shows a web browser window with the following elements:

- Browser Tabs:** "My First Presentation - Men", "SCP\_Hotshop Analysis\_Fact", "Module 2 - SCP Hotspo".
- Address Bar:** "scp-hat.lifecycleinitiative.org/module-2-scp-hotspots".
- Navigation Menu:** Home, Modules (dropdown), Methods & Data, About Us, and a search icon.
- Header Image:** A dark, satellite-style image of Earth at night with glowing hotspots. Overlaid text reads "MODULE 2" and "HOTSPOTS IDENTIFICATION".
- Section Header:** "POLICY ACTION BASED ON SCP INDICATORS FOR HOTSPOT ANALYSIS".
- Text:** "In this section a wide range of SCP indicators are provided to analyse hotspots of unsustainable consumption and production at country and sector levels. Results help to identify areas where political action is needed."
- Footer:** "Data for Afghanistan".



# MODULE 3: National Data System

The screenshot shows a web browser window with the URL `scp-hat.lifecycleinitiative.org/module-3-national-data-system`. The page header features the SCP HAT logo and navigation links: Home, Modules, Methods & Data, and About Us. The main content area has a dark background with a blurred image of a store interior. The text 'MODULE 3 NATIONAL DATA SYSTEM' is prominently displayed in white. Below this, a sub-header reads 'MODULE TO USE YOUR OWN DATA'. The main text explains that technical experts can insert their national data on domestic raw material extraction and greenhouse gas emissions. Two columns of text at the bottom provide further details on data sources and the process of inserting user data.

Home Modules Methods & Data About Us

## MODULE 3 NATIONAL DATA SYSTEM

### MODULE TO USE YOUR OWN DATA

In this section, **technical experts** such as statisticians can **insert their national data** on domestic raw material extraction and greenhouse gas emissions produced and **substitute the default data**.

SCP-HAT builds upon a number of global datasets on national and international trade as well as on domestic environmental pressures and impacts, and different socio-economic indicators (see "Methods").

In Module 3, users can insert their own data retrieved from national sources and substitute the model's default data. Applying the new data will alter the results, depending on the extent to which the new data differs from the original data.

Data can be inserted for the two dimensions "raw material extraction" and "GHG emissions" in aggregated format. To do so, choose a country, the environmental category and the time frame and click directly into the cells of the appearing table. At the end click "apply" and explore the different types of analysis below. Support how to compile the data is provided via pop-up windows. For more detailed information on technical standards, refer to the official standards on Material Flow Accounting (MFA) and GHG emission accounting.



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**THANK YOU!**



**One planet**  
handle with care



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