

# Life cycle approaches at policy and business levels

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**Applying Eco-innovation and the SCP Hot Spot Analysis Tool**

A circular logo with a red border. Inside, the words "Life Cycle Thinking" are written in a dark blue, handwritten-style font. A red arrow curves around the text, pointing downwards.

Life Cycle  
Thinking

# Learn Life Cycle Thinking

[www.lifecycleinitiative.org](http://www.lifecycleinitiative.org)

English

A circular logo with a red border. Inside, the words "Life Cycle Thinking" are written in a dark blue, handwritten-style font. A red arrow curves around the text, pointing downwards.

Life Cycle  
Thinking

French

A circular logo with a red border. Inside, the words "la Pensée Cycle Vie" are written in a dark blue, handwritten-style font. A red arrow curves around the text, pointing downwards.

la Pensée  
Cycle Vie

Arabic

A circular logo with a red border. Inside, the words "مدخل في فكر دورة الحياة" are written in a dark blue, handwritten-style font. A red arrow curves around the text, pointing downwards.

مدخل في فكر  
دورة الحياة

Spanish

A circular logo with a red border. Inside, the words "Life Cycle Thinking" are written in a dark blue, handwritten-style font. A red arrow curves around the text, pointing downwards.

Life Cycle  
Thinking

[www.learnlifecycle.com/](http://www.learnlifecycle.com/)  
[www.aprendecicludevida.com/](http://www.aprendecicludevida.com/)



Life Cycle Initiative



One planet  
handle with care

# What is the SCP HAT?



International  
Resource  
Panel



- An **online application** that provides **data to feed in the analysis of 171 countries' environmental and socio-economic performance over the last 25 years**, offering **empirical evidence of 'hotspots'** where **unsustainable consumption and production practices may be particularly prevalent**.



- The function of the SCP HAT is to provide evidence-based analysis of high-impact areas and sectors within national economies, which also offer high-impact opportunities, to **inform the design and the implementation of national science-based SCP strategies**.

# HOTSPOT ANALYSIS TOOL FOR SUSTAINABLE CONSUMPTION AND PRODUCTION

to support science-based national policy frameworks

VIEW MODULES



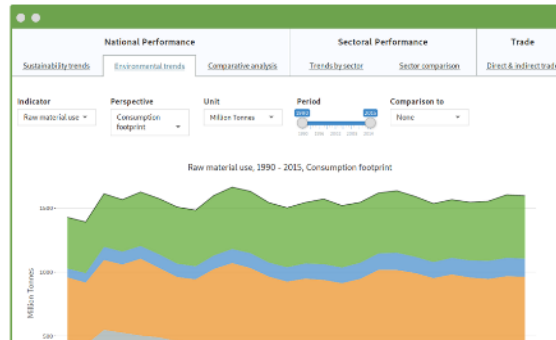
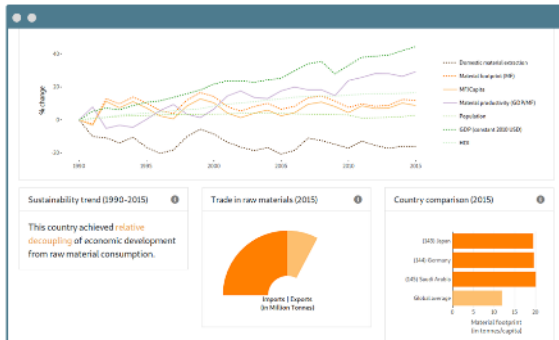
## Country Profile



## SCP Hotspots



## National Data Systems



**Insert data**

Environmental dimension: Raw material use

Category	Flow	Unit	2008	2010	2011	2012	2013	2014	2015
Business	Crops	kt	1219.70	100466.05	89368.88	93755.89	95341.84	92143.48	105645.30
Business	Crop Residues	kt	1831.06	14103.00	39190.26	35424.67	34720.05	41894.08	45662.38
Business	Ground biomass and fodder crops	kt	1386.45	48050.181	47614.18	46203.18	43868.05	46171.18	46570.78
Business	Wood	kt	8698.08	26761.85	30214.02	31520.71	29435.58	29958.34	30541.80
Business	Wild catch and harvest	kt	274.28	244.25	243.15	233.88	234.41	235.11	242.34
Business	Forest area	kt	455.00	367.75	390.35	488.08	417.52	413.40	455.54
Business	Non-forest area	kt	0.08	0.64	4.39	22.38	21.89	12.38	14.86
Business	Non-metallic minerals	kt	3318.05	51843.65	502179.21	539426.36	502138.00	488405.05	498111.88
Business	Non-metallic minerals	kt	522.10	30344.11	40232.92	42444.54	43394.12	42867.18	39288.02
Business	Coal	kt	282.00	167813.00	186275.00	192396.00	200808.00	193955.00	18951.00
Business	Gas	kt	324.00	2768.00	2488.00	2627.00	2862.00	2838.00	2433.00
Business	Oil	kt	1029.79	31693.24	3195.80	9128.12	3802.56	7423.79	5747.67
Business	Oil shale and tar sands	kt	0.00	0.00	0.00	0.00	0.00	0.00	0.00

[scp-hat.lifecycleinitiative.org/](http://scp-hat.lifecycleinitiative.org/)



# Initial results



International  
Resource  
Panel



## Overall outcomes:

- Increased knowledge and understanding of
  - Co-benefits of SCP and resource efficiency in high impact sectors
  - Benchmarking country's performance compared to other countries or between sectors
  - SCP policy instruments to address inefficient use of natural resources
- ... across Ministries (Economy / Finance / Planning, Interior and Public Works)
- Next steps planned in pilot countries, e.g.:

## Argentina

- detailed sectoral (hotspot) analysis in **priority sectors**; develop **guidance** for these sectors to improve performance
- Establishment of an **inter-ministerial body** for coordinated action on SCP
- Adoption of a **national SCP strategy**

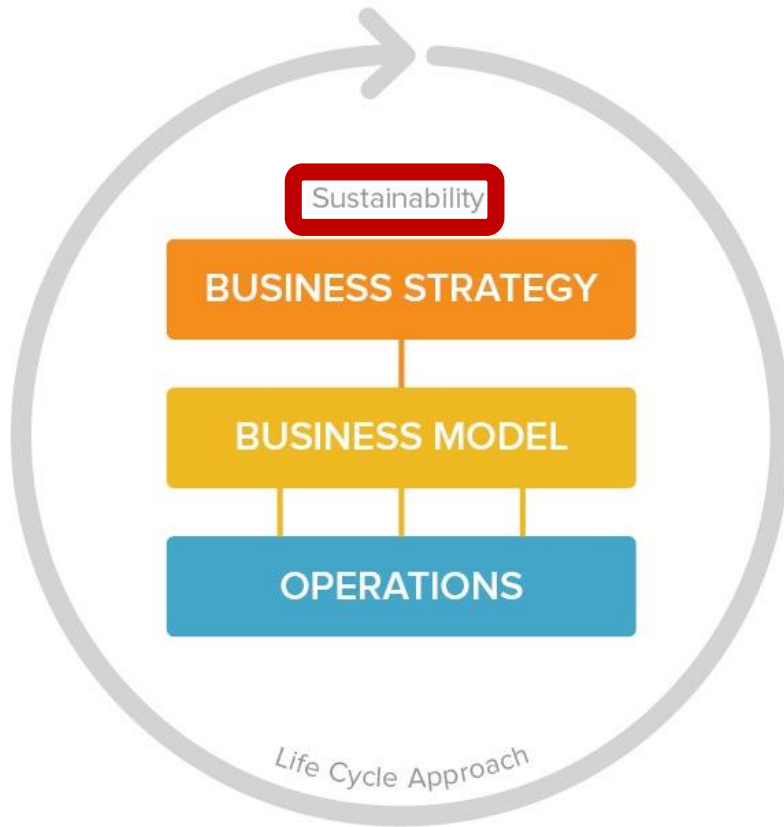
## Ivory Coast

- targeted analysis of **policy options** to **address hotspots**, with a focus on raw material use, short and long term climate change, land use

# What is Eco-Innovation?

## Key principles of eco-innovation

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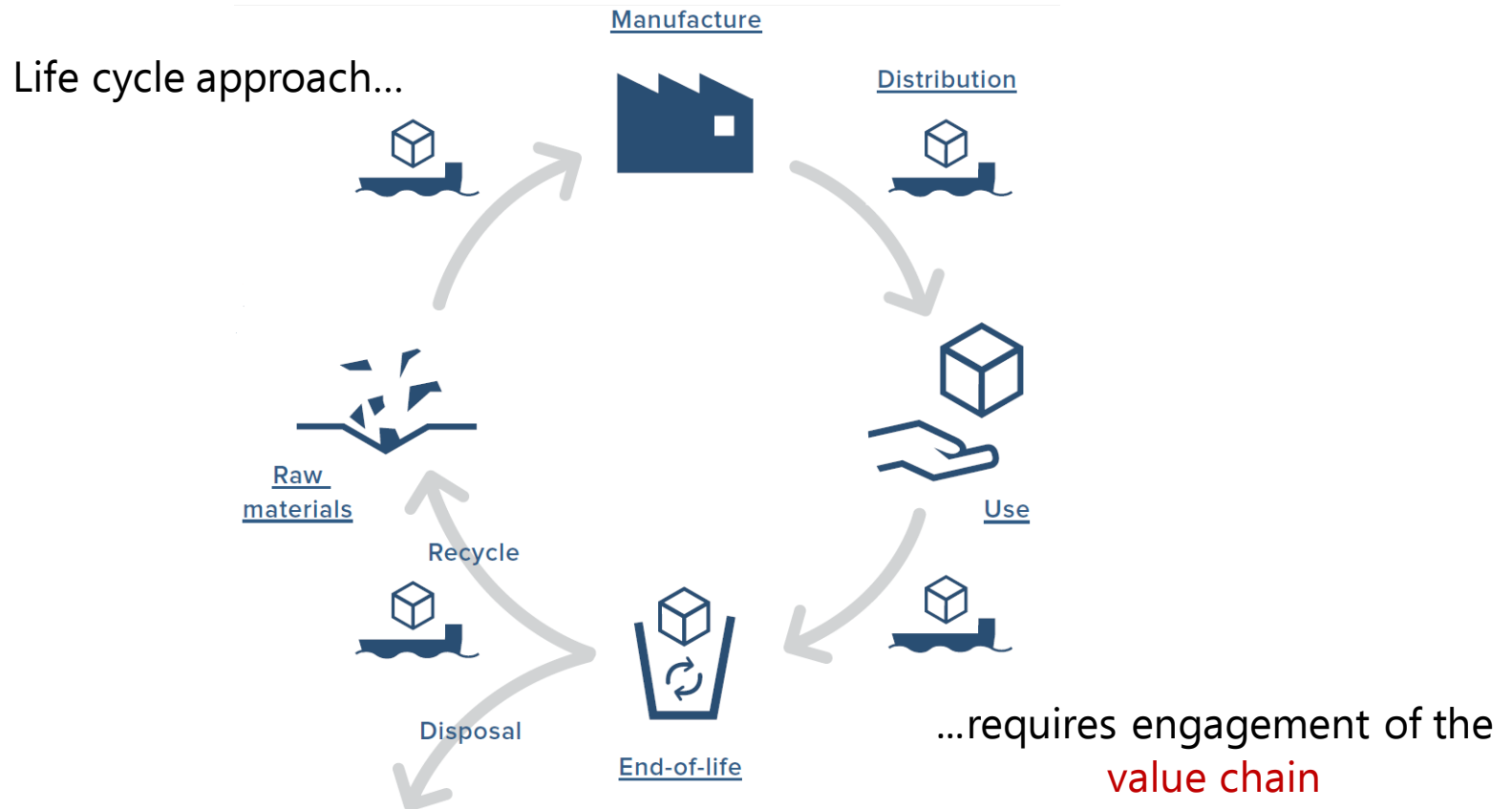


1. Eco-innovation is a **strategic approach**
2. Eco-innovation adopts a **life cycle approach**
3. Eco-innovation aims to influence and involve the entire **value chain**
4. Eco-innovation considers the **environmental, social and economic aspects** of sustainability

# What is Eco-Innovation?

## Key principles of eco-innovation

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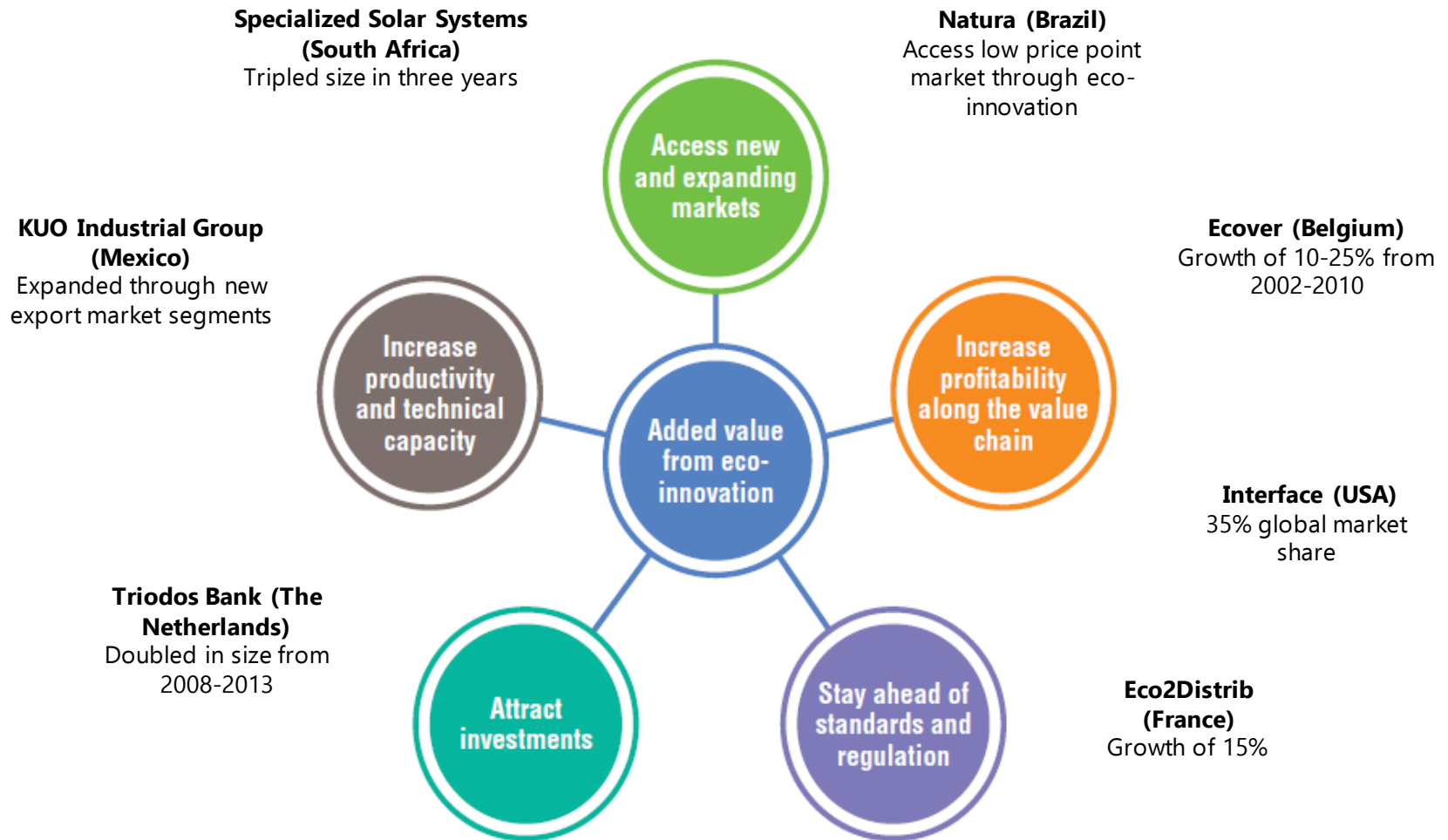




# Why is eco-innovation important?

## Business case for eco-innovation

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# Innovation and Circular Economy



## Green Solutions for a Growing Adhesives Business

Malaysia's Wiltron Products is an adhesives manufacturer with a plan... [>>> read more](#)

— Success story from Malaysia



## A Blueprint for Success – Accel of Malaysia

In a global printing market worth \$850 billion, producers of... [>>> read more](#)

— Success story from Malaysia



## The Grains of Success at Peru's IMSA

The production of coffee and cocoa features strongly in Latin... [>>> read more](#)

— Success story from Peru



## How Eco-innovation Transformed a Vietnamese Tea Trader

Vietnamese company Hiep Thanh used to... and trade dried... [>>> read more](#)

is story from Vietnam



## An Ecological Catalyst for Vietnam's Guava Farms

On the banks of the Red River in northern Vietnam... [>>> read more](#)

— Success story from Vietnam



## Mining Machinery Goes Green – Funvesa of Peru

A successful producer of iron castings for Peru's mining and... [>>> read more](#)

— Success story from Peru



## 'Production to partnership' – why grassroots success means better business for Sri Lankan dairy

When Sri Lanka's Rasoda Dairies took on eco-innovation, it focused... [>>> read more](#)

— Success story from Sri Lanka



## Coconut innovator targets new, high-value production

Sri Lankan company Asian Agro Products has taken big steps... [>>> read more](#)

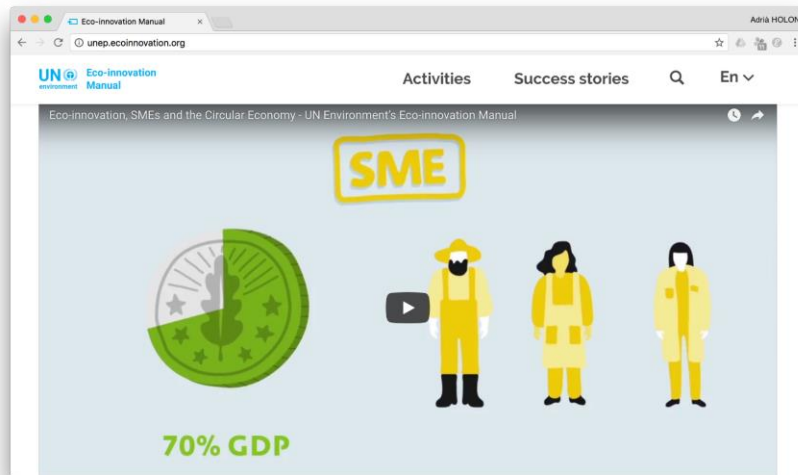
— Success story from Sri Lanka



# For more information, resources, and tools

Visit the Eco-innovation website:

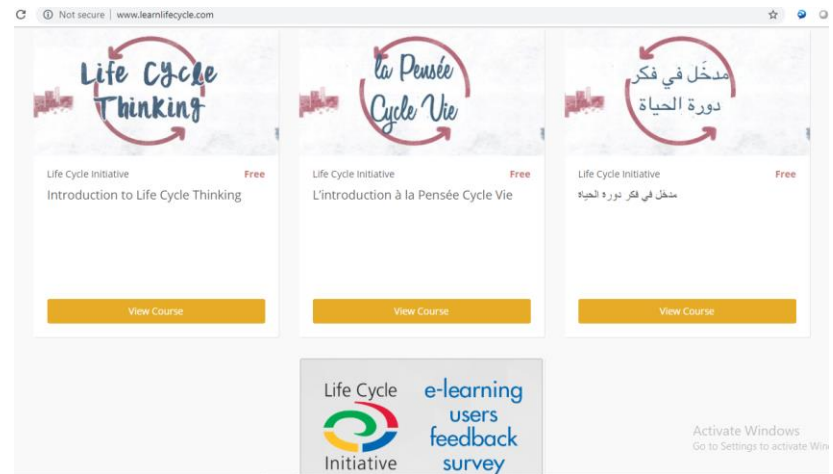
<http://unep.ecoinnovation.org/>



Intro to Life Cycle Thinking websites:

<http://www.learnlifecycle.com/>

<http://www.aprendeciclodevida.com/>



Visit the Life Cycle Initiative website:

<https://www.lifecycleinitiative.org/>

Thank you  
for your participation

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