



# NETGREEN

Network for Green Economy Indicators

## The Vision of NETGREEN

NETGREEN WORKSHOP: Typology of indicators  
Den Haag June 11 2014

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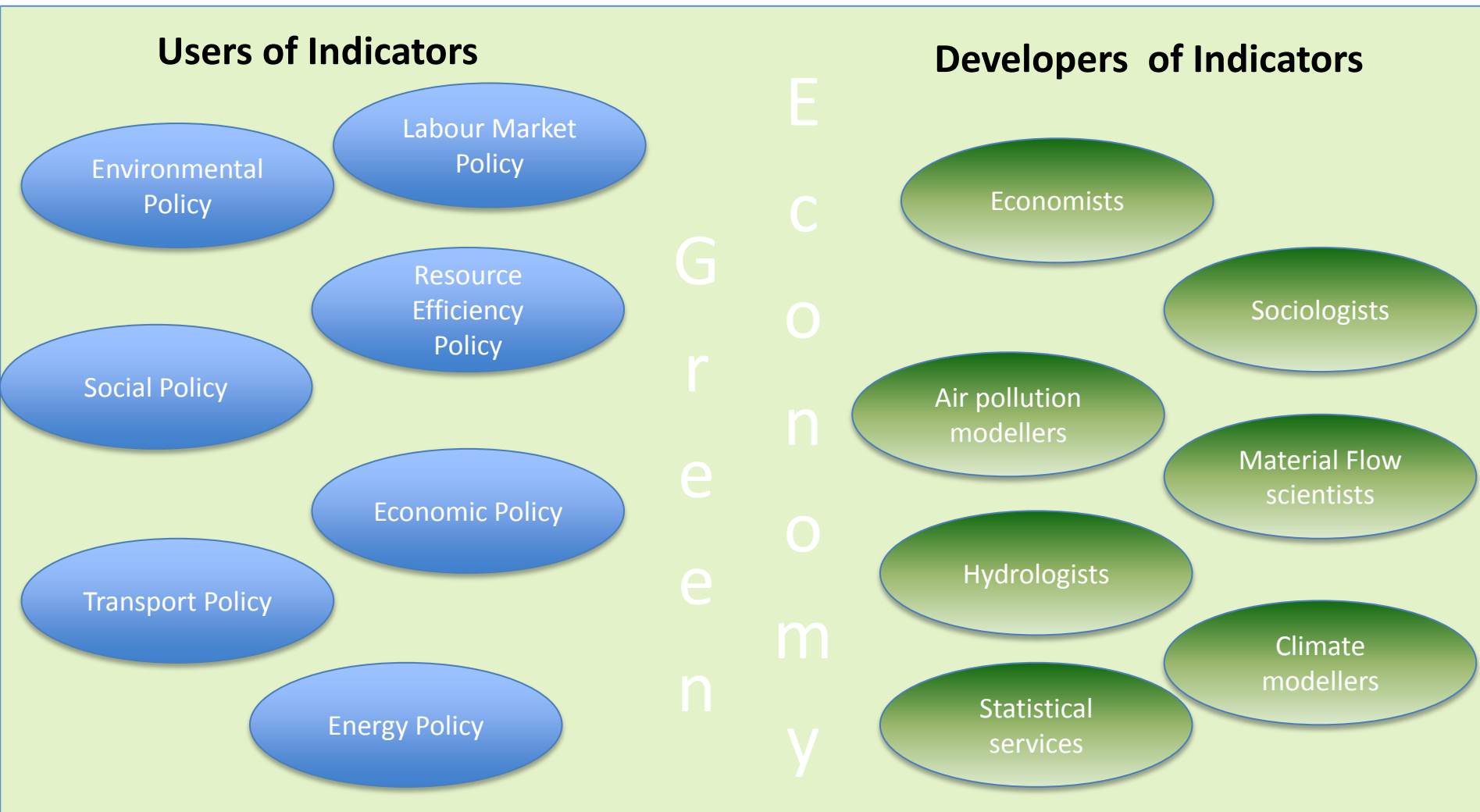
# Structure of the workshop

- The vision of NETGREEN
- Policy questions to identify indicators
- Choosing the right indicators
- Stakeholder Interviews - Which information to provide with the indicators
- External initiatives

## Expected outcomes of the workshop

- Decision on which type of indicators should be included
- Determining the information that should be provided with the indicators (criteria)
- Insight on what the user interface should be like
- Ideas of synergies with other projects

## The challenge – Analysing the green economy in Silos



# A database for indicators

A **relational database** clarifying the strengths, weaknesses and relationships of indicators

A **translation tool** from policy question to an indicator choice

A **communication tool** supporting policy discussions across silos

A **dictionary** helping to understand potential pitfalls of interpretations

**The  
NETGREEN  
Database and  
Website**

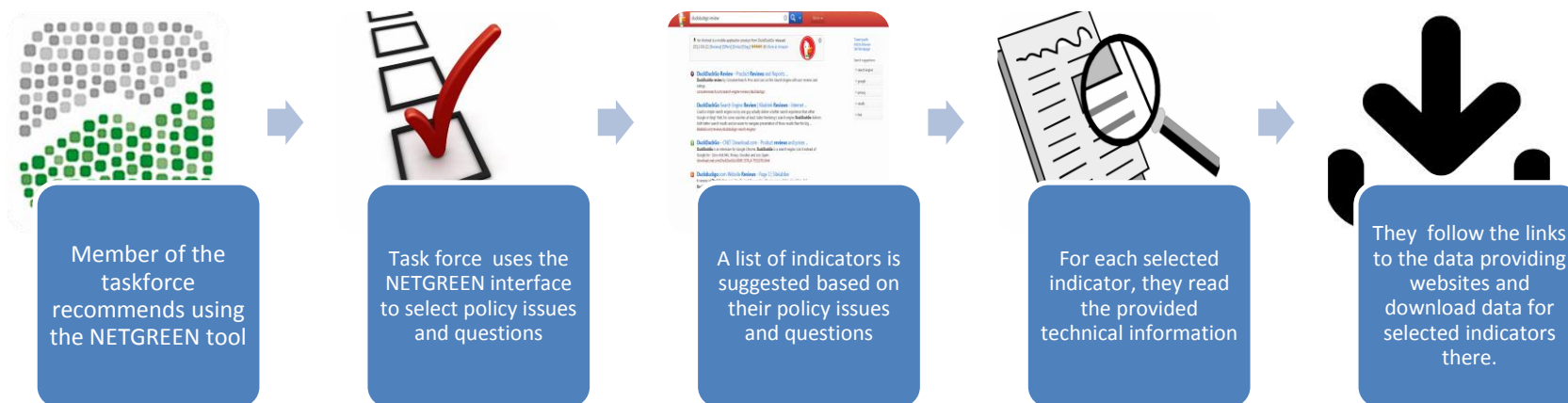
# What NETGREEN will NOT do

- Store data for indicators
- Select indicators for users
- Analyze data for users
- Describe in detail ALL indicators in the database (only selected indicators)

## Case 1: Poland – Designing a new Energy Policy



Poland aspires to improve its economic performance and public services. At the same time, a task force in the Polish Energy department is commissioned to draft strategies to become less dependant on natural gas imports while honouring climate change and environmental commitments.

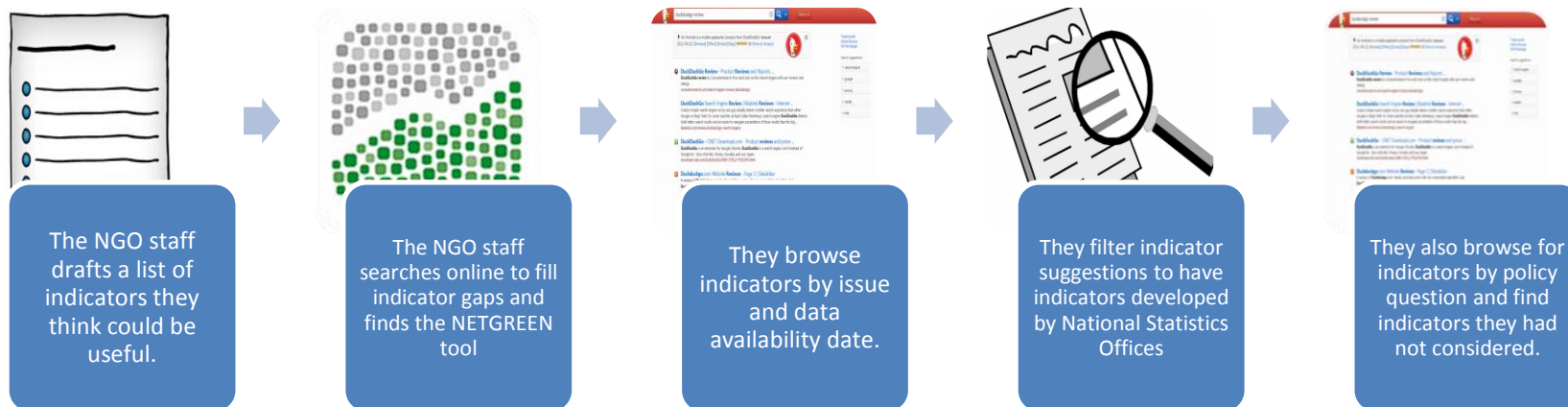


The task force selects indicators from the list of suggested indicators and saves the list for future reference. They base their analysis on these indicators.

## Case 2: UK – Challenging European policy on resource use



A Europe-wide, UK-based NGO wants to inform and encourage European policy makers to most effectively limit natural resource consumption.



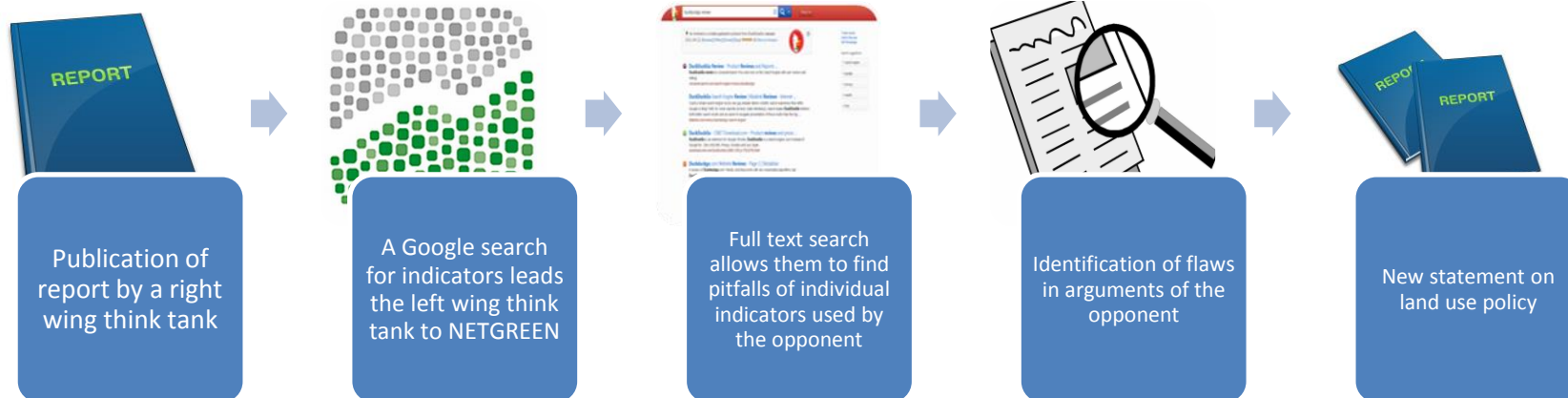
The NGO uses the links from both searches and explore the data. This gives them the information they need to decide on an approach to measuring natural resource consumption.



## Case 3: Germany – Looking for arguments on land use



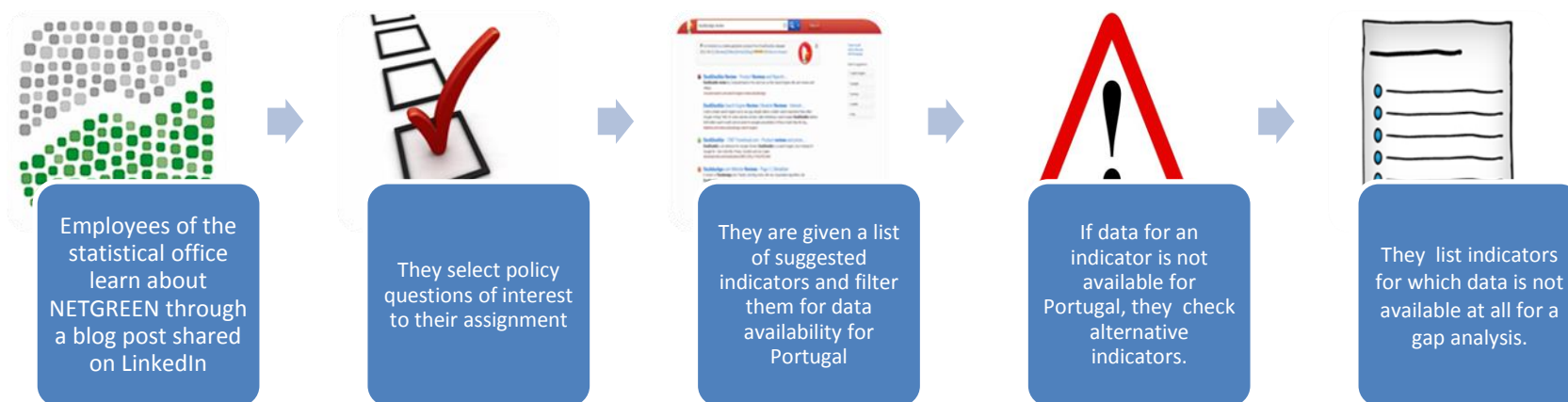
A left wing think tank in Germany uses the NETGREEN database to look out for potential flaws in an argument about land use made by a right wing think tank.



The new statement on land use policy enables the left wing think tank to gain some recognition for its viewpoints and make the political debate more balanced.

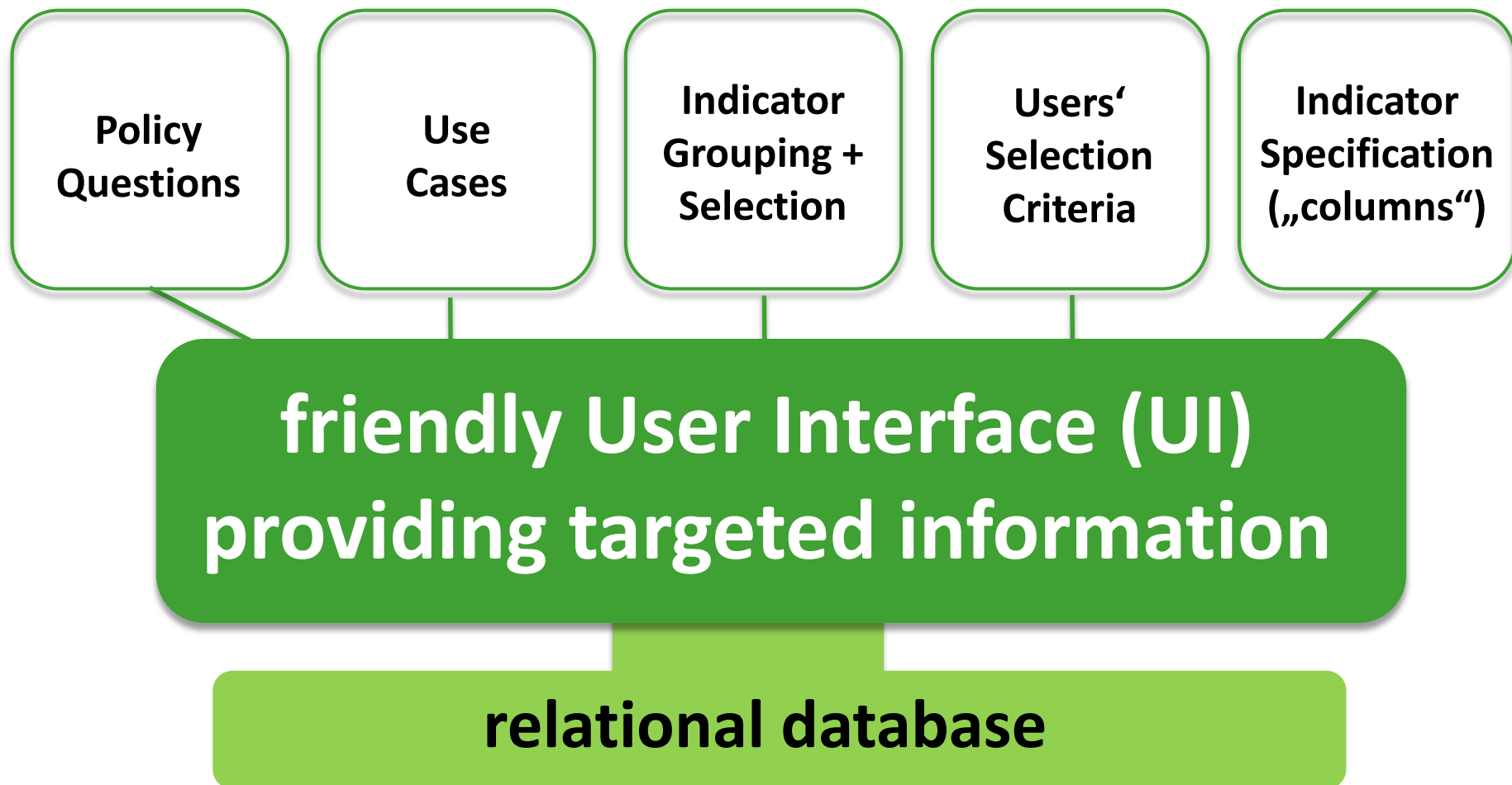
## Case 4: Portugal – Preparing for a green industrial policy

The Portuguese government must establish a program to monitor acceleration of greening the economy and the costs of this acceleration. Ministries collaborate with the statistical office.



Based on available indicators, the statistical office provides advice to the departments on which indicators they should use for which type of analysis.

# Web Interface of NETGREEN Database



[Policy Question](#)
[Policy Issue](#)
[All Indicators](#)
[Text Search](#)

- ☐ 1. Risk of infringing environmental limits?
- ☐ 2. Cost of non-catastrophic damage to the environment?
- ☐ 3. Contribution to environmental risks and costs?
- ☒ 4. Efficiency of delivering wellbeing?
  - ☐ 4.1 Environmental and carbon efficiency of mean household income?
  - ☒ 4.2 Environmental and carbon efficiency of economic output?

## My indicator basket



contains **6** indicators



[show by question](#)

[show by issue](#)

Environmental and carbon efficiency of economic output?

☐ **Energy efficiency**

☐ **Rate of efficiency improvement**

What is happening to working hours?

☐ **Weekly hours worked**

What is happening to job security?

☐ **Risk of unemployment**

☐ **High-level education rate**

☐ **Outsourcing**

[Remove from my basket](#)

## Basket summary



To answer your policy question on environmental and carbon efficiency of economic output additional indicators are recommended. [Learn more...](#)

## Indicator accuracy

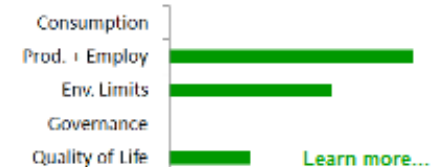


■ high

■ low

[Learn more...](#)

## Green economy aspects



## Indicator suggestions

Filter indicator suggestions by

Accuracy ▾

- high -

Comparability ▾

Frequency of up-dates ▾

- yearly -

Availability ▾

- PL -

Costs ▾

- for free -

Type of Source ▾

- national -

Your current choice of policy questions and filters leads to **7** indicator suggestions:



[Add to my indicator basket](#)

- ☒ **Energy efficiency**
- ☐ **Energy productivity**
- ☐ **Annual energy savings**
- ☐ **Avoided CO2 emissions**
- ☒ **Rate of efficiency improvement**
- ☐ **Potential for energy savings**
- ☐ **Efficiency of public power generation**



## Energy efficiency

[Remove from my indicator basket](#)

Definition and Methodology	Energy efficiency is the result of dividing the Gross Inland Consumption by the GDP. Since Gross Inland Consumption is measured in kgoe (kilogram of oil equivalent) and GDP in 1000 EUR, energy efficiency is measured in kgoe per 1000 EUR (kilograms of oil equivalent per one thousand Euros).
Connected policy Questions	<p>2.3 How is the environmental degradation that is associated with different sectors and product groups affected by changes to the following drivers?</p> <p>2.4.2 At what rate is technological progress producing more value per unit of energy used and what impact is this having on energy consumption?</p> <p>4.2 What is the environmental and carbon efficiency of economic output (production basis)?</p> <p>10.12 How are our export markets performing, relative to our import markets, and relative to competitors' export markets?</p>
Issues	energy, climate change, renewable energy, energy efficiency, technological progress
Timely availability	since 1991
Up-date frequency	yearly
Geo availability	AU, DE, FR, NO, PL
Indicator sets	OECD Green Economy Indicators , Eurostat sustainable development indicators, UNEP Green growth indicators
Accuracy	High
QMA	High
Comparability	High
Costs	for free
Type of source	national
Interpretation aide	<p>General outlook on whether an economy is becoming more efficient in its use of energy</p> <p>Trends are not always a sign of technological progress as trends can be caused by total energy use and by GDP</p> <p>Total energy use (and environmental impact) can still increase even if energy efficiency increases (If GDP grows quicker than energy use)</p> <p>If the energy mix changes, the development of energy use and environmental impact can differ.</p> <p>Changes in energy use can be caused by changes to production patterns. Rising energy efficiency can occur if an economy shifts from industry to services. Globally such gains could be offset by changing trade patterns (carbon leakage)</p>
Indicators with formulaic connection	GDP, Energy use
Indicators for interpretation help	Share of renewable energy ↗, Energy mix ↗, Economic share of services ↗, Economic share of industry ↗, Energy intensity of trade ↗
Indicators with similar message	Energy productivity ↗, Energy efficiency by sector ↗

### My indicator basket

 contains **6** indicators

[show by question](#)
[show by issue](#)

Environmental and carbon efficiency of economic output?

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What is happening to job security?

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[Remove from my basket](#)

### Basket summary

 To answer your policy question on environmental and carbon efficiency of economic output additional indicators are recommended. [Learn more...](#)

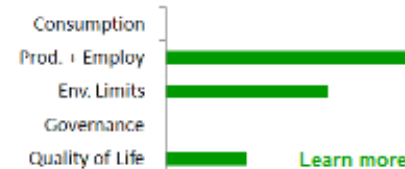
### Indicator accuracy



■ high  
■ low

[Learn more...](#)

### Green economy aspects


[Learn more...](#)

# Value added of NETGREEN

- Providing overview information to specialists
- Showing the relations between information sets and policy issues
- Giving aides to interpretation by showing indicators that help understanding others
- Providing information on how to use indicators and not only “on indicators”

**Accelerate  
progress towards  
the green  
economy by  
using the right  
indicators**

# Questions

1. Do you think that the database of NETGREEN could help the target audience?
2. Do you think that we have the right user cases in mind?
3. Do you think that the problems that we sketch in the user cases are relevant?
4. What suggestions and ideas do you have on the user interface?

# List of Partners

## Ecologic Institute



## CEPS The Centre for European Policy Studies



## NEF Economics as if People and the Planet mattered



## Green Economy Coalition



## CENSE Centre for Environmental and Sustainability Research



## LEI – Wageningen UR

