

# The recreate

## Green Horizons Scoreboard <http://www.green-horizons.eu/>

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# RECREATE GREEN HORIZONS SCOREBOARD

Are you interested in how research and innovation can help to address societal challenges in the areas of climate action, resource efficiency and raw materials? Do you need data on the countries of the European Research Area?

This website allows you to



LOOK AT DIFFERENT  
INNOVATION SYSTEMS



COMPARE INDICATORS  
ACROSS COUNTRIES



GET A COUNTRY  
OVERVIEW

# RECREATE Scoreboard presentation content

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What the Scoreboard is for  
Challenges

Innovation systems

Innovation system functions and indicators

Enabling a range of analyses

Examples

Feedback from the audience

## What the Scoreboard is for

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The RECREATE Green Horizons Scoreboard serves to

- measure,
- compare
- and benchmark

research-based efforts in the European Research Area (ERA) in the fields of climate change, resource efficiency and raw materials and the interactions between them in a way that is

- detailed
  - and grounded in current theory building
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## Challenges:

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Large coverage necessary:

- ERA scope makes it challenging to find meaningful indicators shared by many Member States

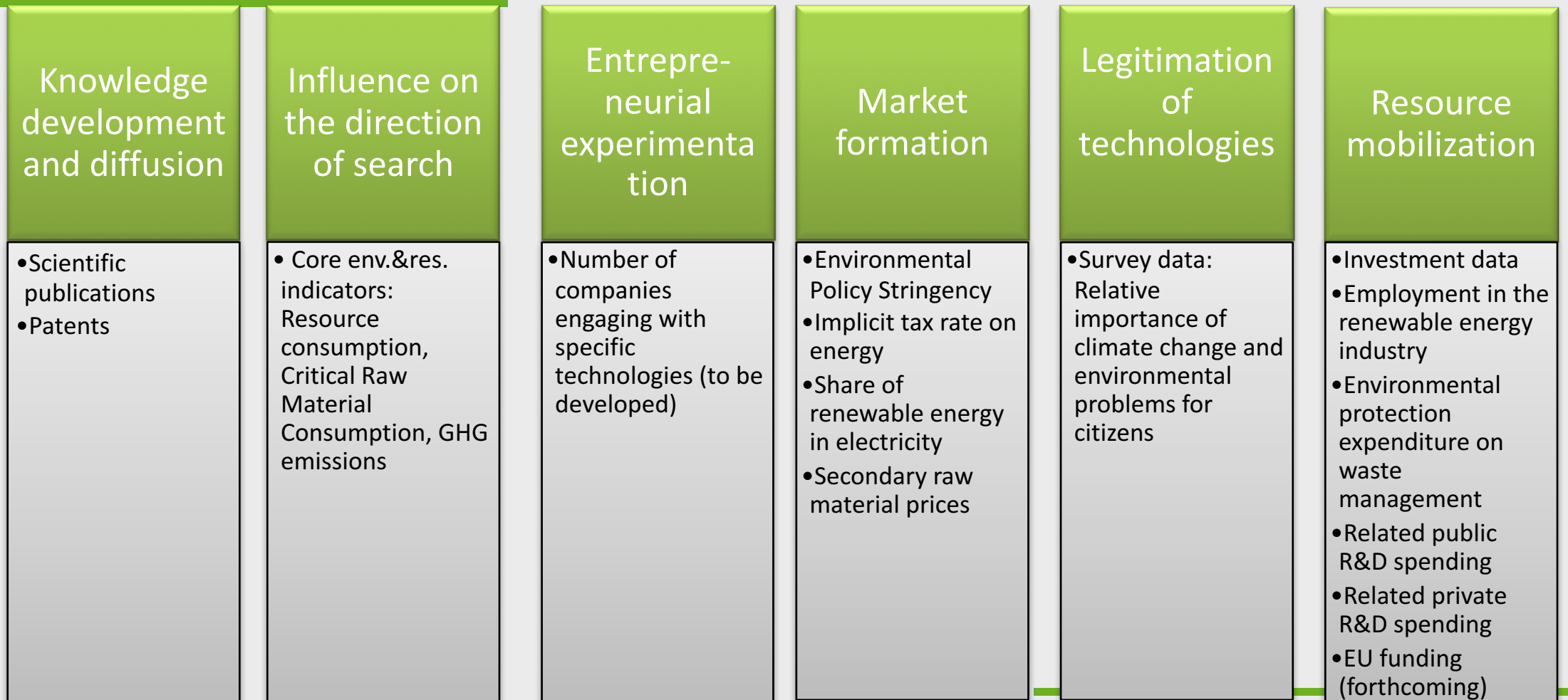
Finding a meaningful level of aggregation:

- At what level of detail can R&I professionals draw most benefit from data?
  - At greater level of detail gaps in the data become more apparent

# 11 different Environmental Innovation Systems (EIS)

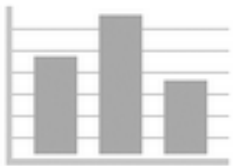
 AGRICULTURE AND SOIL SCIENCES	 BIOECONOMY	 CLIMATE ADAPTATION	 CRITICAL RAW MATERIALS
 ENERGY EFFICIENCY	 ENVIRONMENTAL GOVERNANCE	 FOSSIL FUEL EFFICIENCY	 MATERIAL EFFICIENCY
 RENEWABLE ENERGY	 WASTE AND RECYCLING	 WATER AND WASTE WATER	

# The RECREATE scoreboard translates functions of innovation systems into useful indicators and data analysis



# Enable a range of analyses

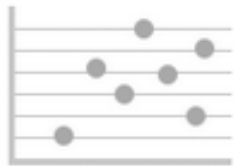
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Analyze one indicator and compare countries



Evolution of an indicator and compare countries



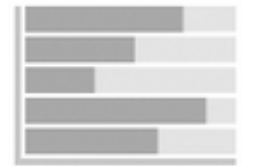
Compare two indicators for multiple countries



Evolution of two indicators for a country



Compare three indicators for multiple countries



Set of indicators for a single country in EU relation

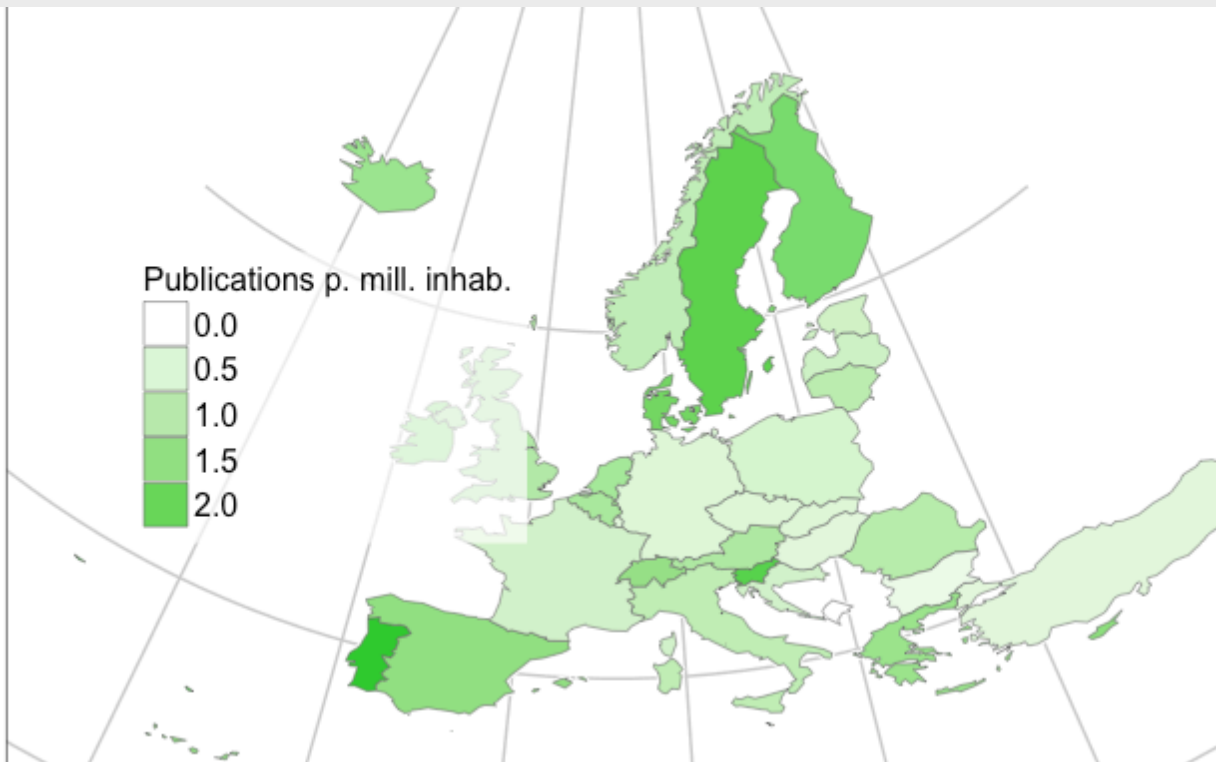


Display indicator data on a map of Europe

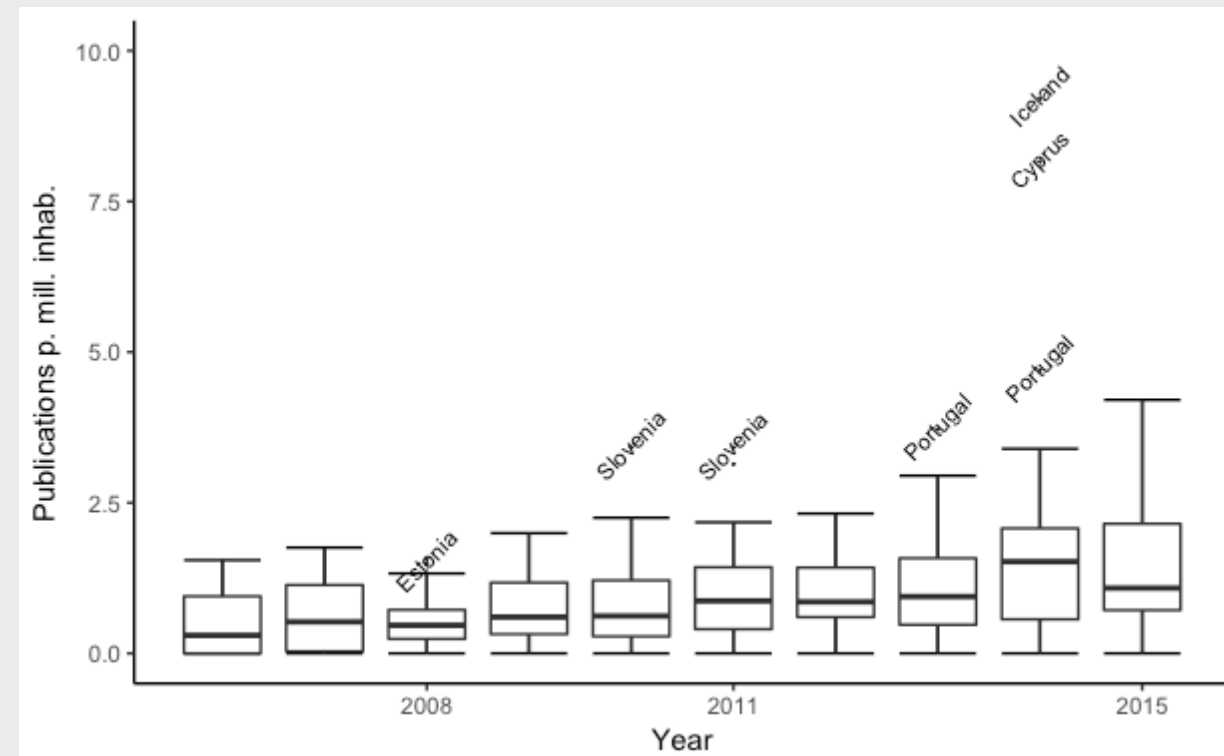


# Example 1: Some middle income countries do exceptionally well in scientific publications in the waste area

Average Waste and Recycling publications in peer-reviewed scientific journals 2007-2015

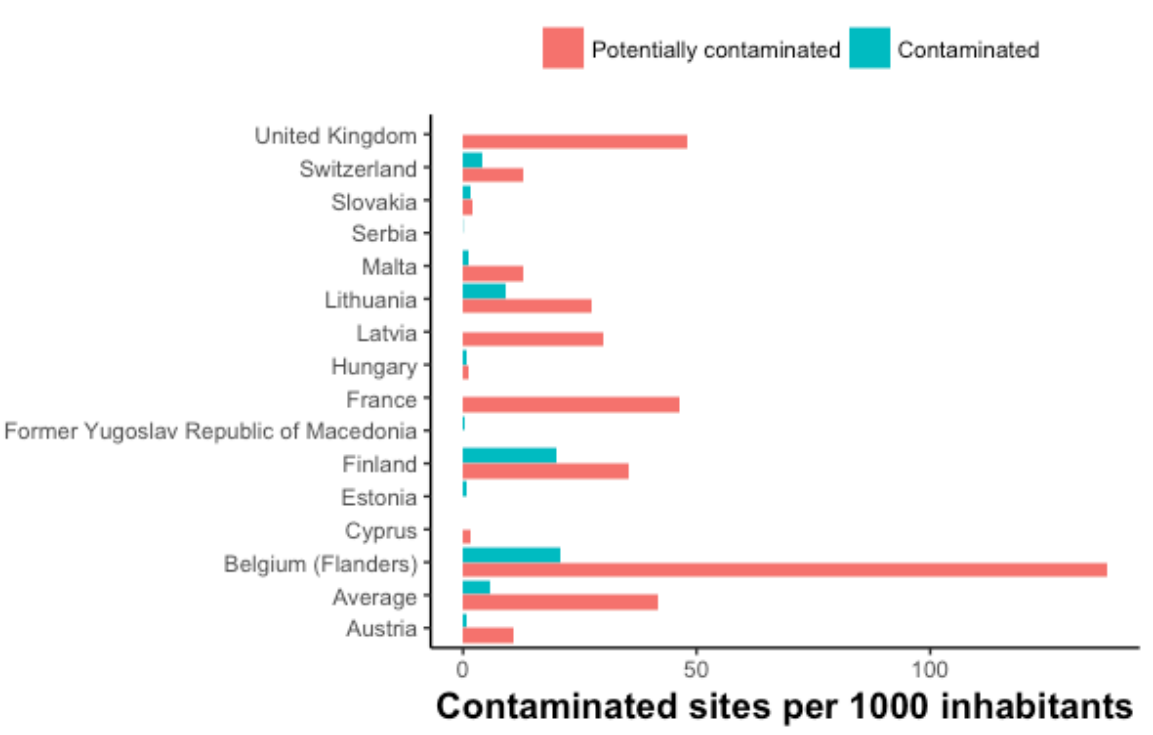


Waste and Recycling publications in peer-reviewed scientific journals



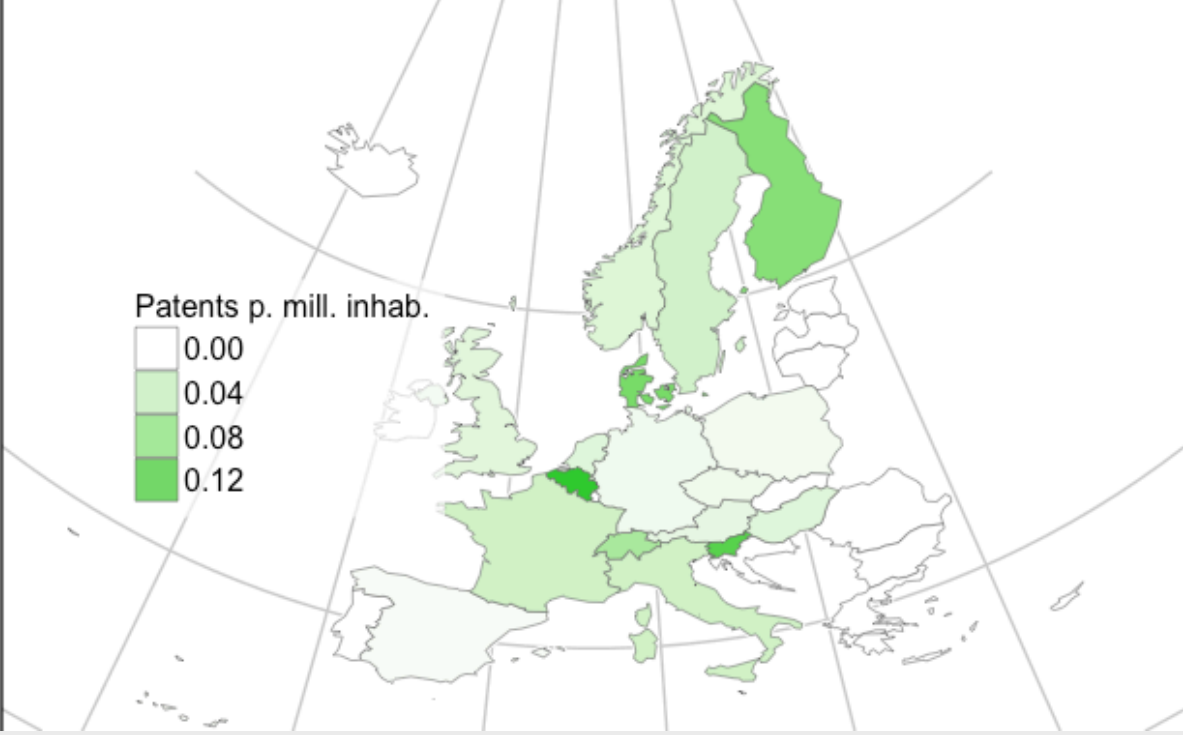
# Example 2: Innovation in soil sciences finding

Contaminated sites in Europe (2011 data)



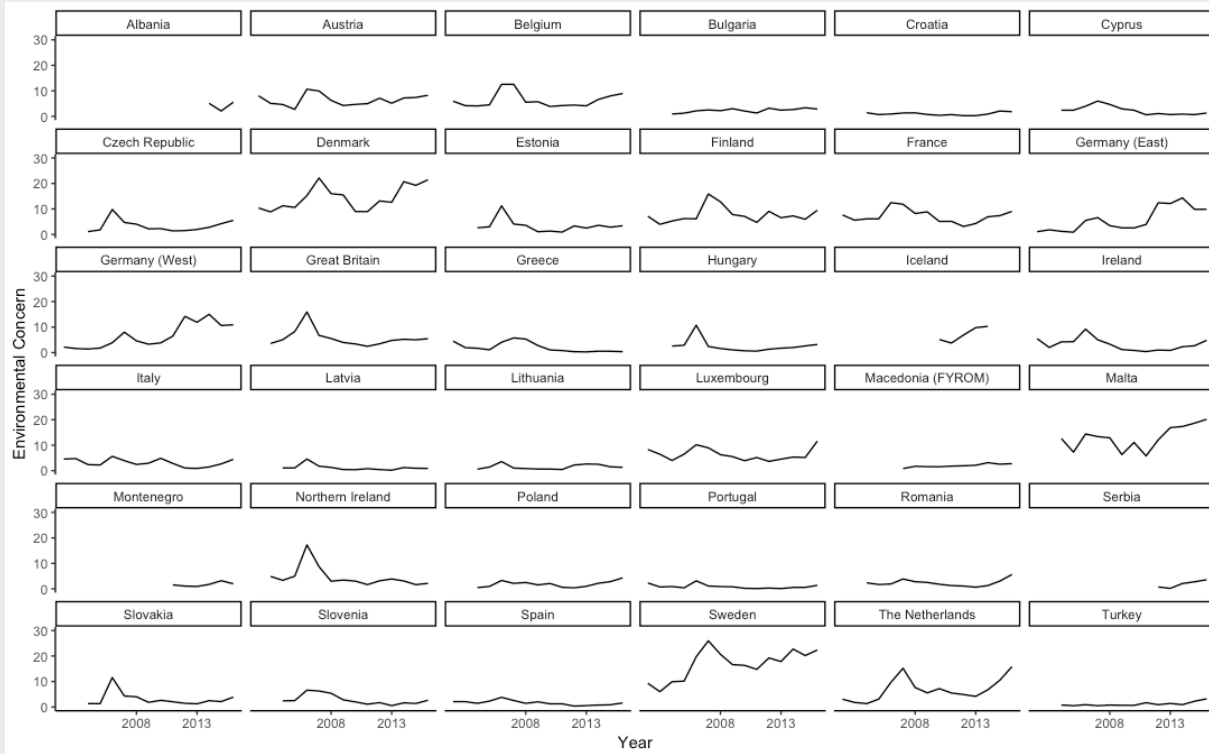
Based on data by European Soil Data Centre

Average patents per year related to reclamation of contaminated soil 2007-2013

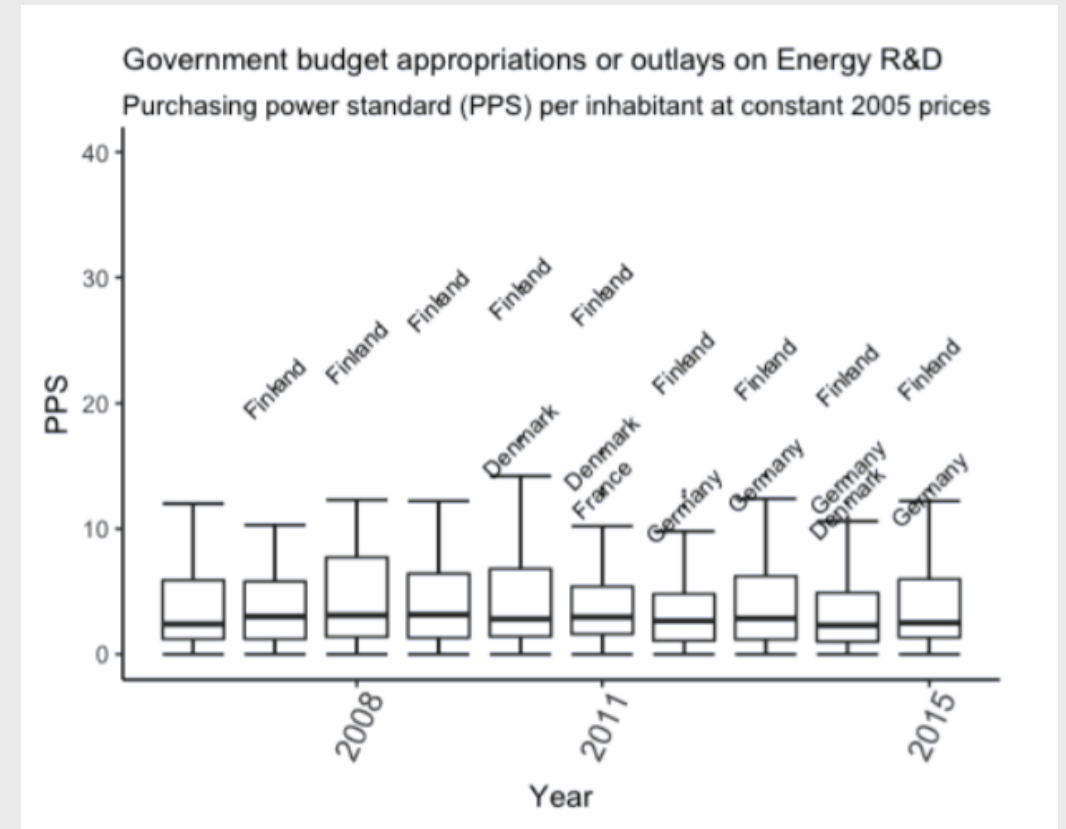


Based on data provided by OECD

# Example 3: Environmental concern and Energy R&D spending across countries



Based on Eurobarometer



Based on Eurostat

# Question to the audience

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- What further indicators are most suitable in order to
- measure,
- compare,
- and benchmark
- research-based efforts in the European Research Area (ERA) in the fields of climate change, resource efficiency and raw materials and the interactions between them?

# Thanks

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Thank you very much for your attention!