



# *Resource Efficiency: European policies*

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**European Commission – DG environment**



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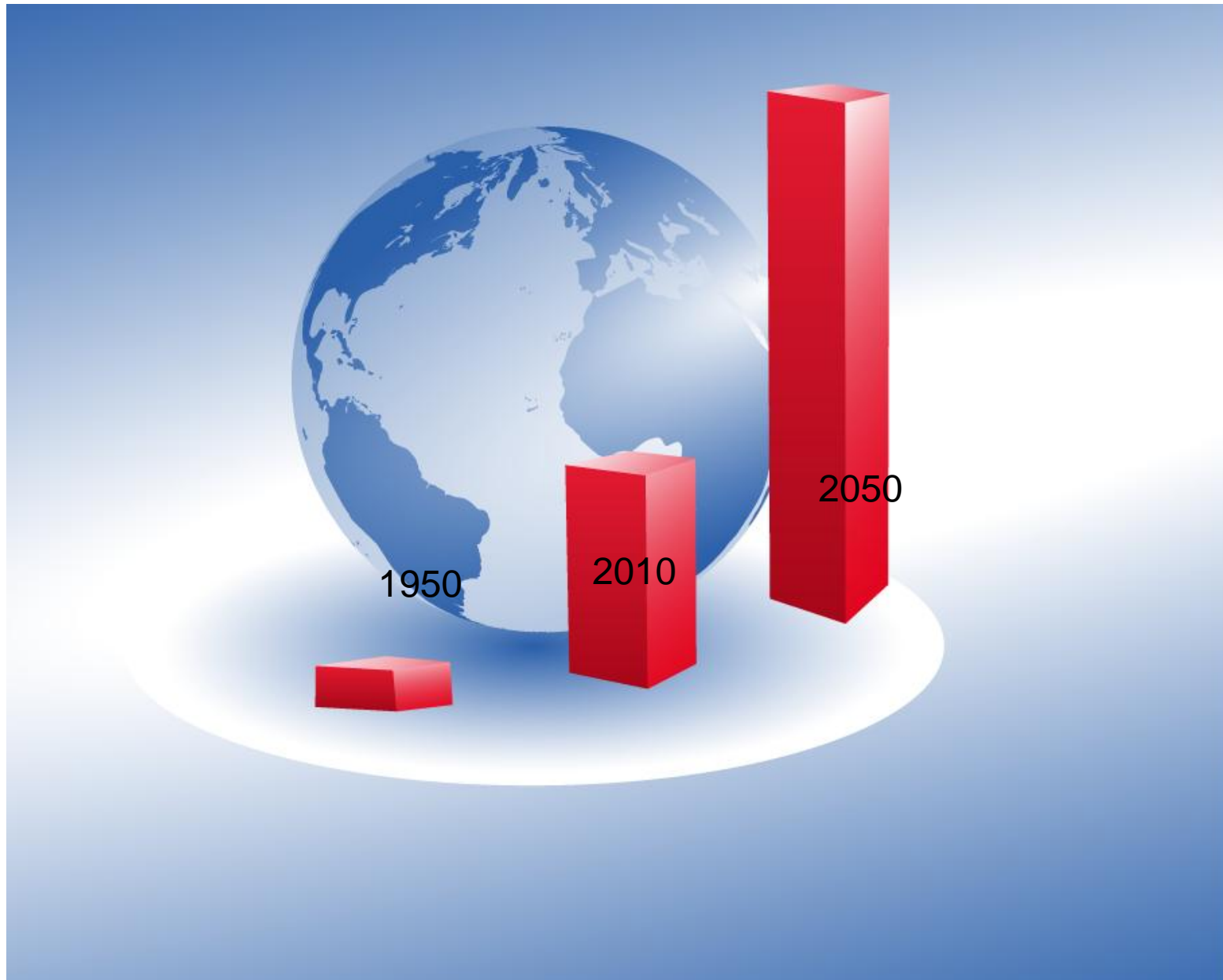


**ONLY ONE EARTH**

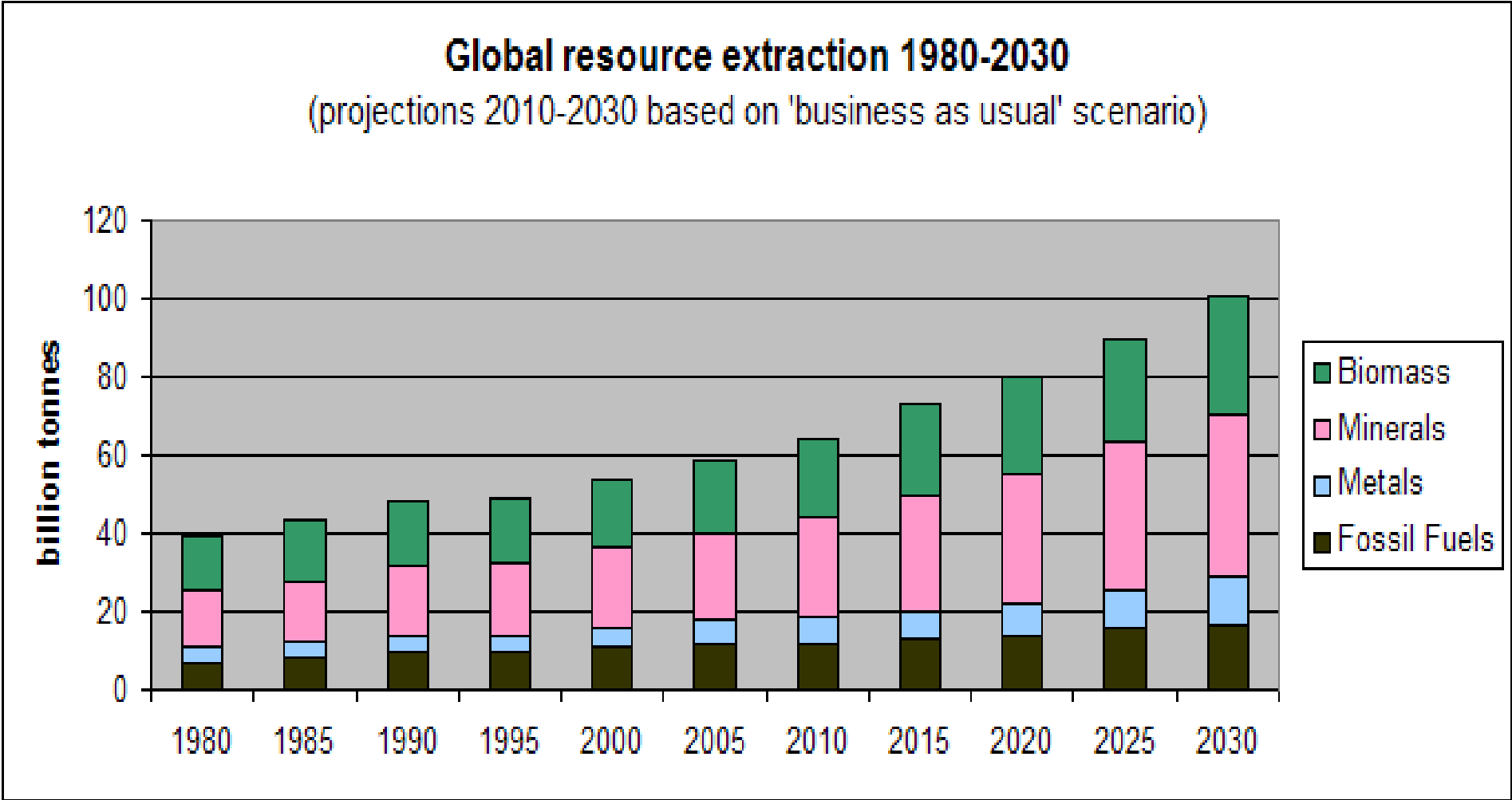


**World Footprint = 1.3 earths**

# Growth of the World Economy



# Growing Resource Use

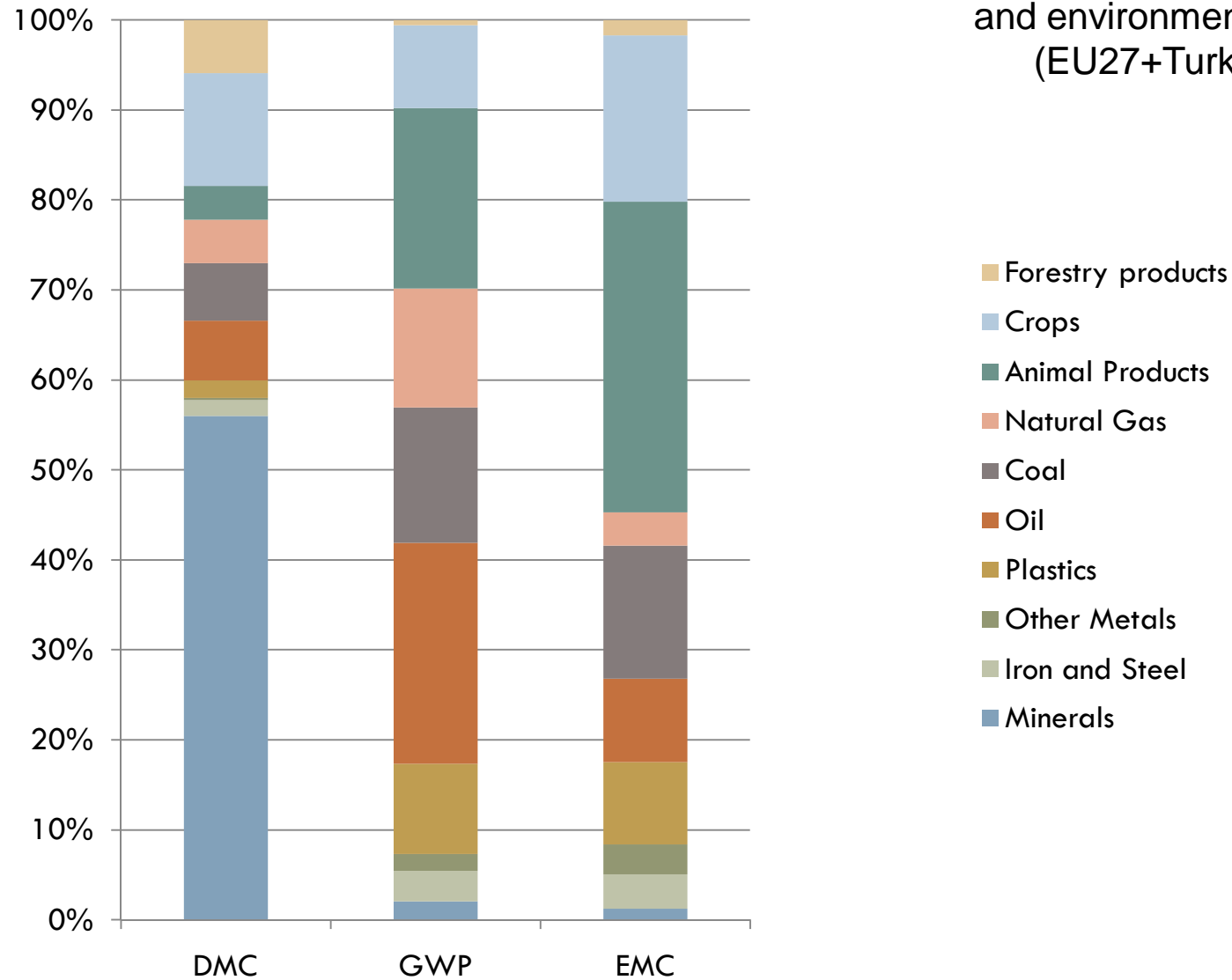


Source: EEA 2010 derived from SERI GLOBAL 2000, Friends of the Earth Europe (2009)



# Environmental impact of materials (IRP)

Relative contribution of finished materials groups to total mass flow, climate change, and environmental problems (EU27+Turkey, 2000)



# What is Resource Efficiency?

# Natural resources



**RAW MATERIALS**  
minerals/metals/fuels  
biomass



## MEDIA

Air  
Soil  
Water

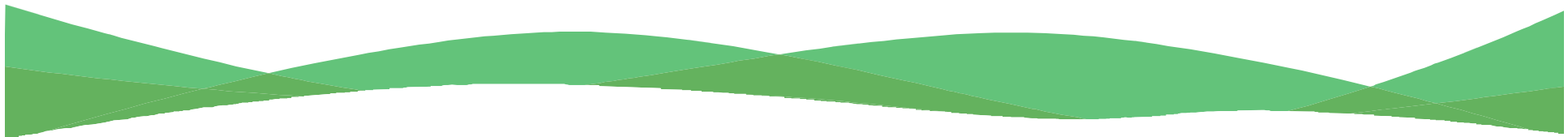


**Biodiversity**



# Resource Efficiency: “Doing more with less”

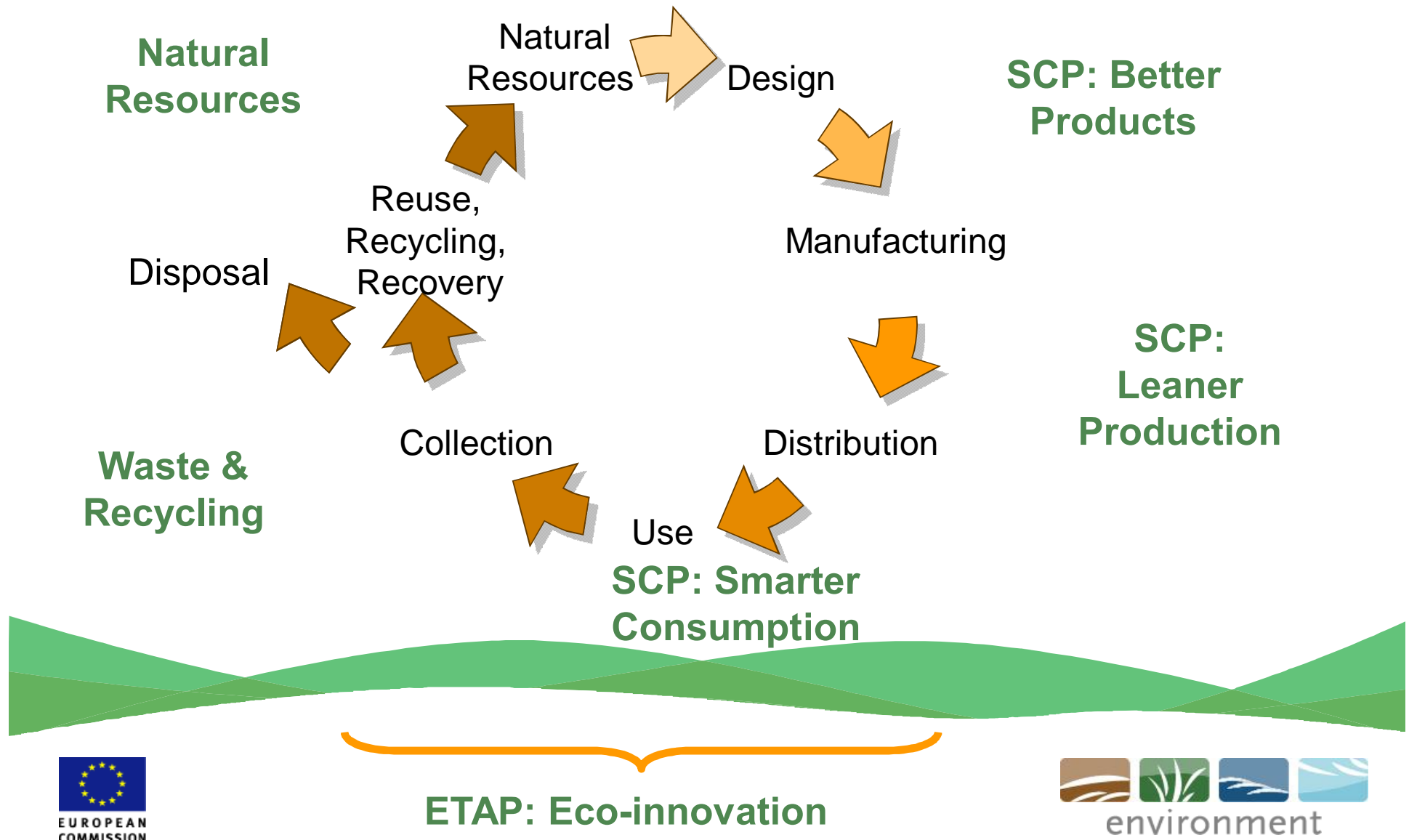
- Sustainable management and use of resources throughout their life cycle
- Producing more value and building an economy which delivers lasting growth
- Living, producing and consuming within the physical and biological limits of the Planet



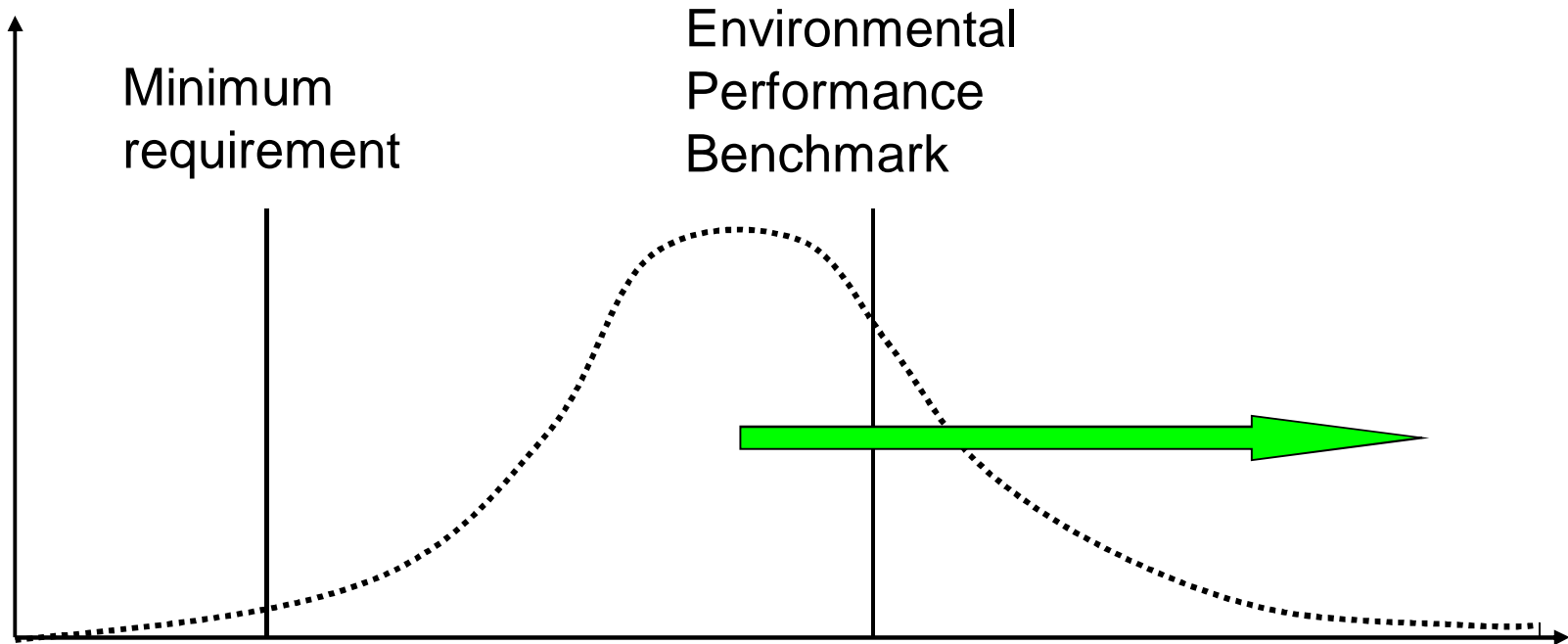
# What can resource efficiency bring to the economy and society?

- **New business opportunities (innovation, eco-industries), new skilled jobs**
- **Competitiveness and cost savings for European businesses**
- **Better food/water/energy security**
- **Reducing environmental impacts and avoiding depletion of natural resources**

# Policies across the Life-Cycle of Products



# Products: Continuous Improvement

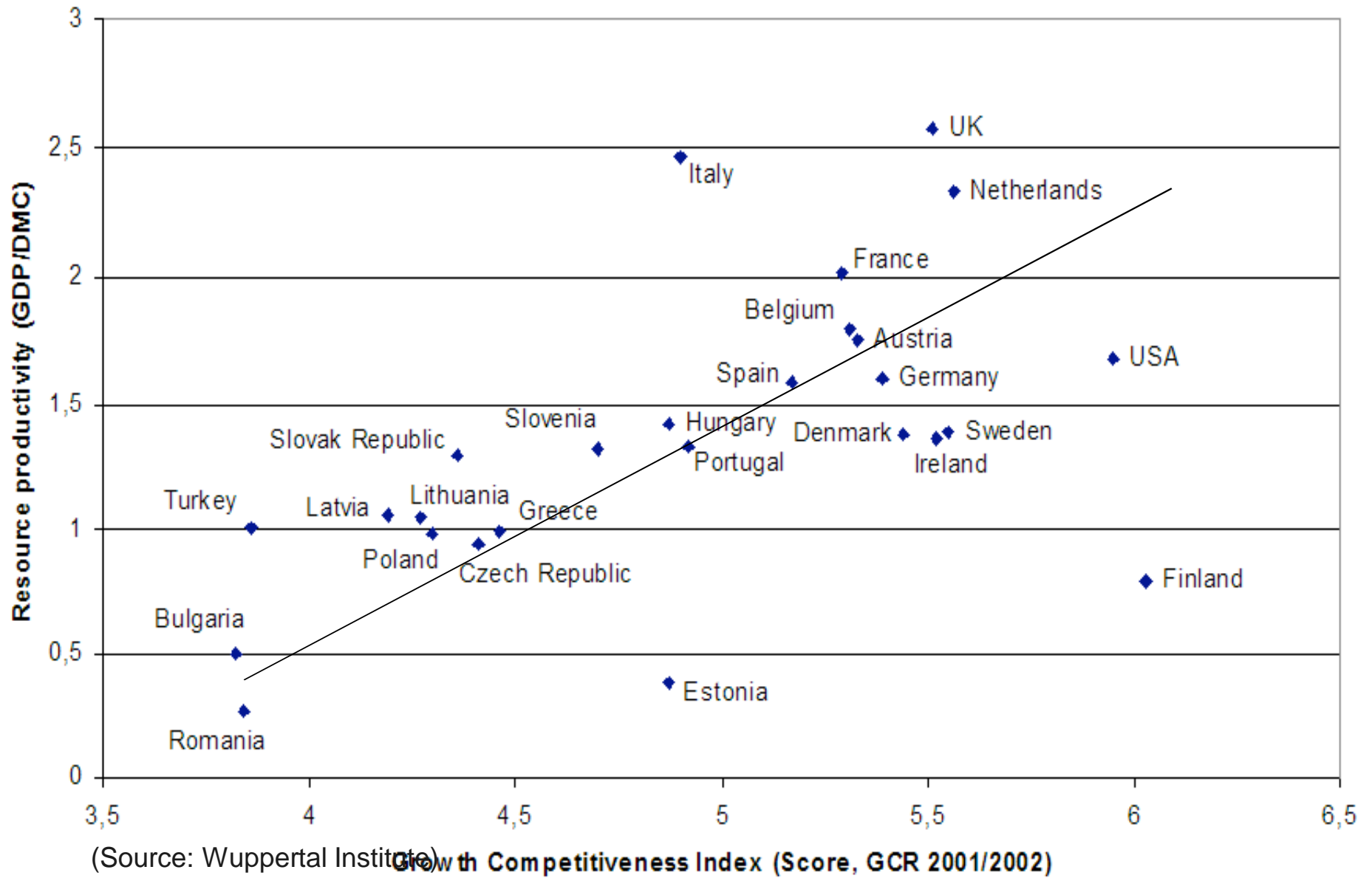


**D C B A A+ A++ A+++**

**Mandatory Label**

**Ecolabel** 

## Resource productivity vs. Competitiveness

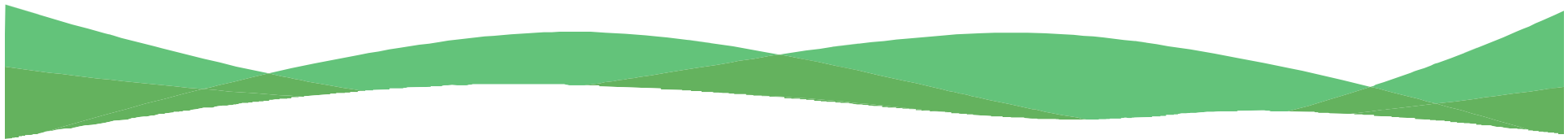


# The Roadmap to a Resource Efficient Europe

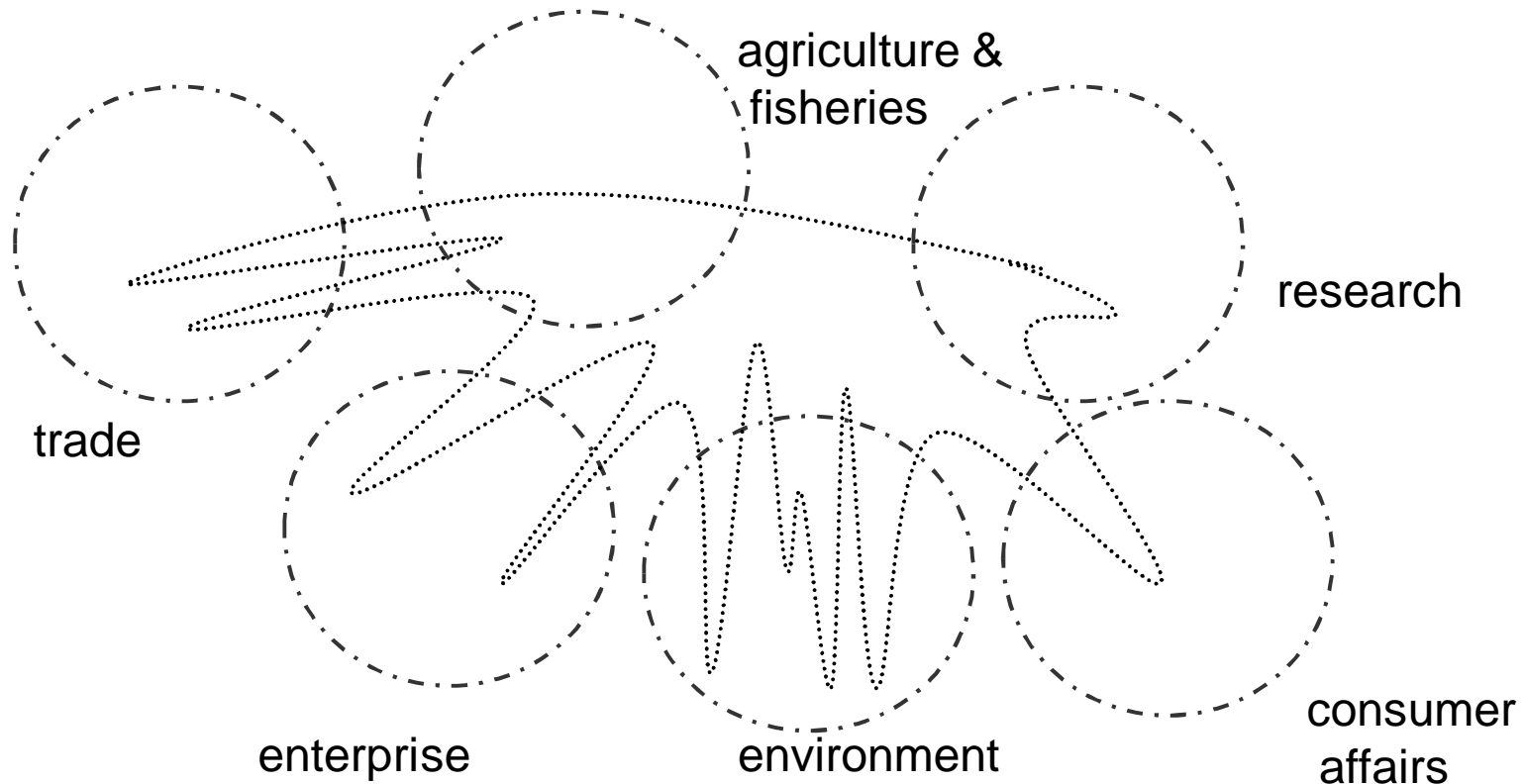


# A new Europe 2020 strategy

- **EU 2020: the course for the EU's economy for the next 10 years and beyond**
- **Road to « smart, sustainable and inclusive growth »**
- **Environmental considerations integrated into economic policy**
- **7 Flagship initiatives, incl.  
“Resource Efficient Europe”**



# Resource Efficiency policy is a web of synergies with existing policies



# Road Map towards resource efficient Europe

The Commission plans to publish a Roadmap on how to move towards a resource efficient Europe before autumn 2011

- Outline the key challenges and opportunities
- Propose a positive 2050 vision and 2020 objectives (↔ short-termism)
- Based on concrete actions

# Policy Measures

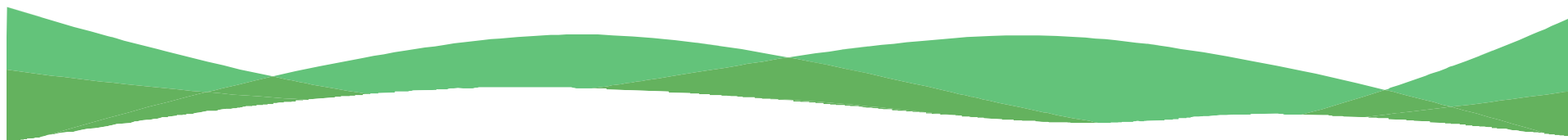
- **The roadmap will only feature an illustrative set of policy changes needed to tackle resource inefficiencies**
- **Lead actions are identified for the EU, Member State, Regions and for business**

# Roadmap: Cross-cutting initiatives

- **Tackling inefficient subsidies**
- **Getting the prices right: shift from labour to resource taxation?**
- **Financing the transition**
- **Research & innovation**
- **International aspects: promoting resource efficiency and global level playing field**

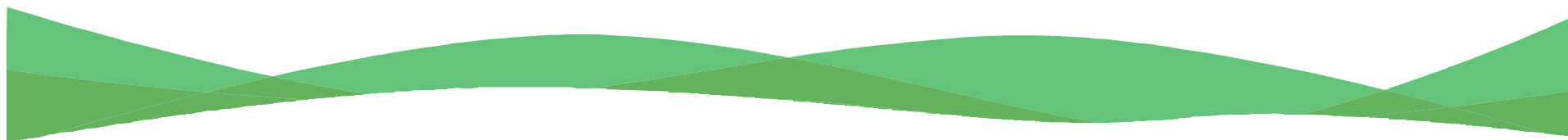
# Roadmap: Production and consumption

- **More efficient production**
- **Changing consumption patterns**
- **Better products**
- **Waste = resource**



# Roadmap: Key resources and sectors

- Land and soils
- Ecosystems
- Water
- Marine resources
- Food / nutrition
- Housing / construction & infrastructure
- Mobility / transport



# Roadmap: Governance and Monitoring

- **Governance changes for co-ordination and joint policy work**  
How do we best do this?
- **Monitor within the Europe 2020 Strategy**
- **Analyse EU and MS policies as part of the Annual Growth Survey exercise**
- **Use appropriate indicators**

**Follow the latest  
developments in Resource  
Efficiency policy via:**

**[http://ec.europa.eu/environment  
/resource\\_efficiency/](http://ec.europa.eu/environment/resource_efficiency/)**

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