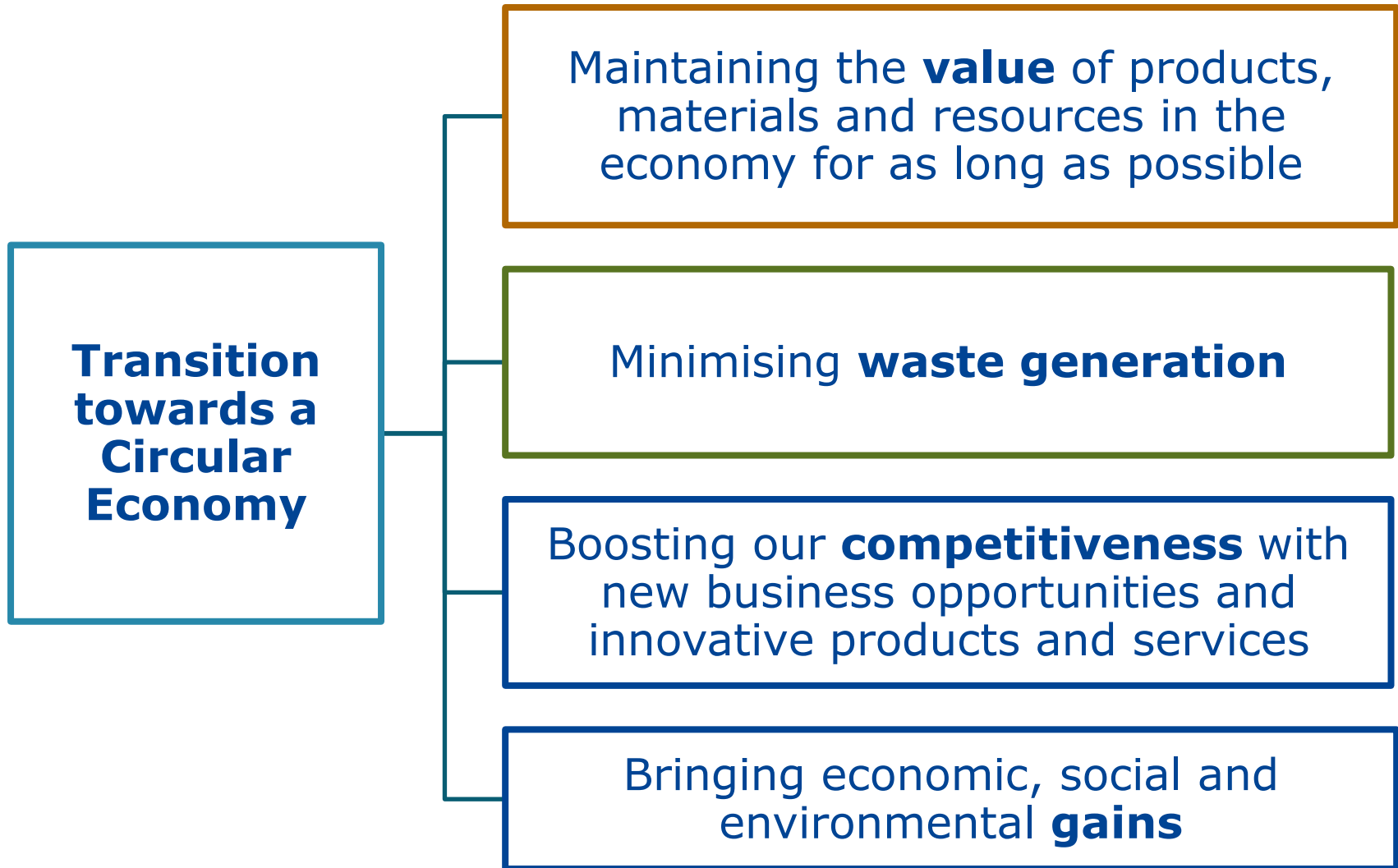




# Resource Efficiency, Green Growth and the Circular Economy

**Werner Bosmans**

DG Environment  
10 November 2016, Berlin



# International dimension

- Transition to a Circular Economy will help the EU meet its international **commitments**

→ **2030 Agenda** → *Next steps for a sustainable European future*

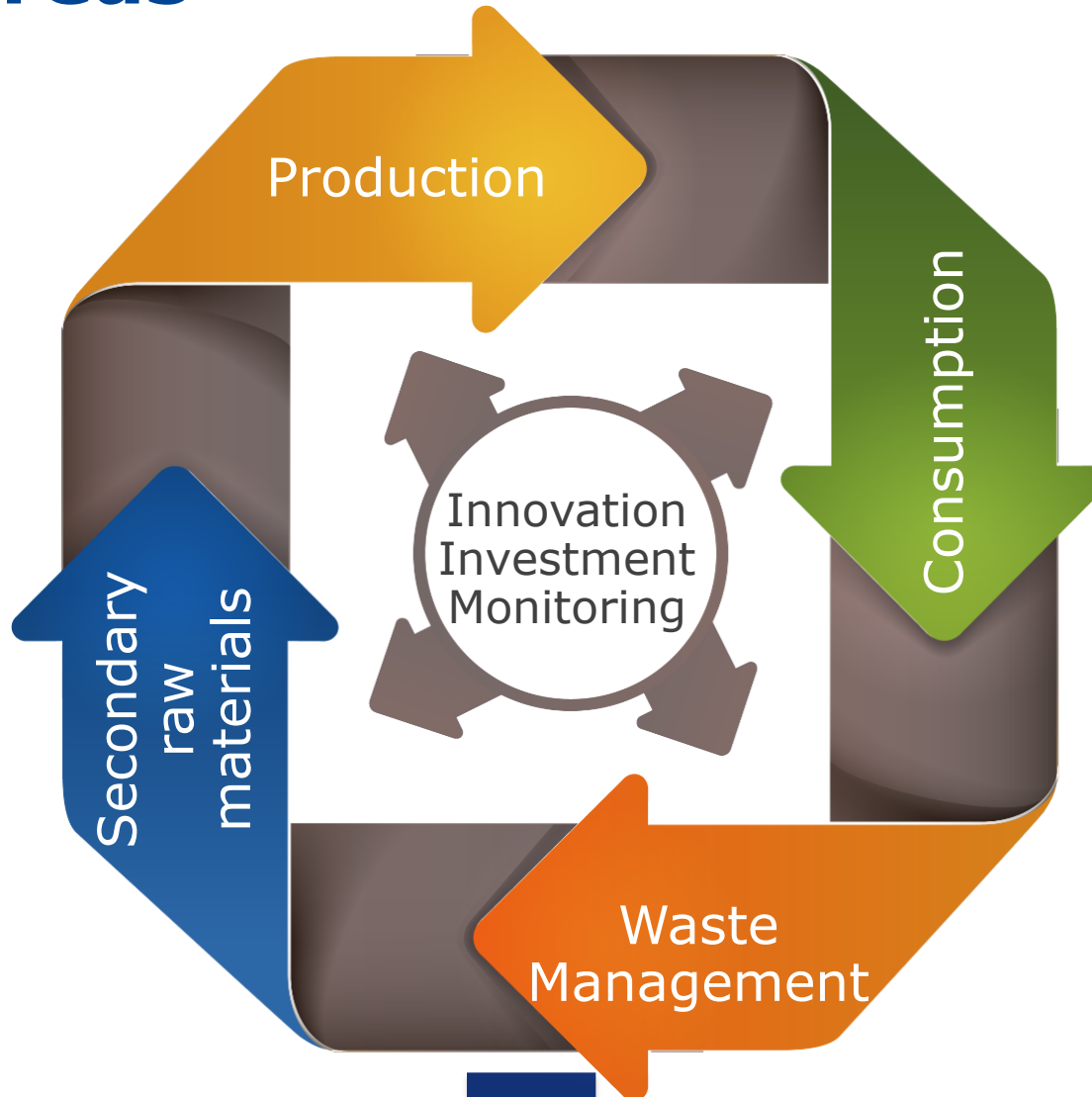
→ **COP21**

1,5/2°C limit global warming

→ **G7 Alliance** for Resource Efficiency



# Action areas



# Priority sectors

Biomass &  
Bio-based  
Products

Plastics

Construction  
& Demolition

Food  
Waste

Critical  
Raw  
Materials

# Implementation



**Action Plan  
Communication**



**1/3 of the actions are  
being implemented**



**List of Follow-up  
Initiatives (Annex)**



**4 Legislative  
proposals on waste**



**Under debate at Council  
& European Parliament**

# Delivered actions

- **Call** "Industry 2020 and the CE" (Horizon 2020)
  - Tackling false **green claims**
    - Stakeholders **platform** on food waste
      - Recycling **Protocol** for **C&D** waste
        - Green Public **Procurement**
          - Best practices of **water reuse**
            - Legislative proposal on **fertilizers**
              - **"Innovation Deals"**



# Upcoming

- **Eco-design**
  - Communication '**Waste to Energy**'
  - REFIT of **EU Ecolabel** & of **EMAS**
  - Green Financing Platform: **EIB & national banks**
  - Next steps Pilots on Product Environmental Footprint (PEF) & Environmental Technology Verification (ETV)
  - European Resource Efficiency **Excellence Centre**
- Assessing contribution of CE to the **Bioeconomy Strategy**



# Ongoing

- **Quality standards** for secondary raw materials market
- New/revised **BREFs for industrial sectors**
- Use of **Cohesion funds** for Circular Economy

# Foreseen for 2017

- **Plastics** Strategy
- **Pre-demolition assessment guidelines:** construction sector
- **Indicators for** environmental performance of buildings
- Minimum requirements for **reused water** for irrigation and groundwater recharge
- **Interface** chemicals, products & waste legislation
- **Monitoring** framework



# Resource Efficiency Scoreboard

**Resource  
productivity**

**Dashboard  
indicators:**  
materials, carbon, land  
& water

**Thematic indicators:**  
transformation of the economy,  
natural capital & key sectors

**Indicator  
Beyond GDP?**

# EU RESOURCE EFFICIENCY SCOREBOARD 2015



Eurostat

<http://ec.europa.eu/eurostat/web/europe-2020-indicators/resource-efficient-europe>

2015 report

[http://ec.europa.eu/environment/resource\\_efficiency/documents/re\\_scoreboard\\_2014.pdf](http://ec.europa.eu/environment/resource_efficiency/documents/re_scoreboard_2014.pdf)

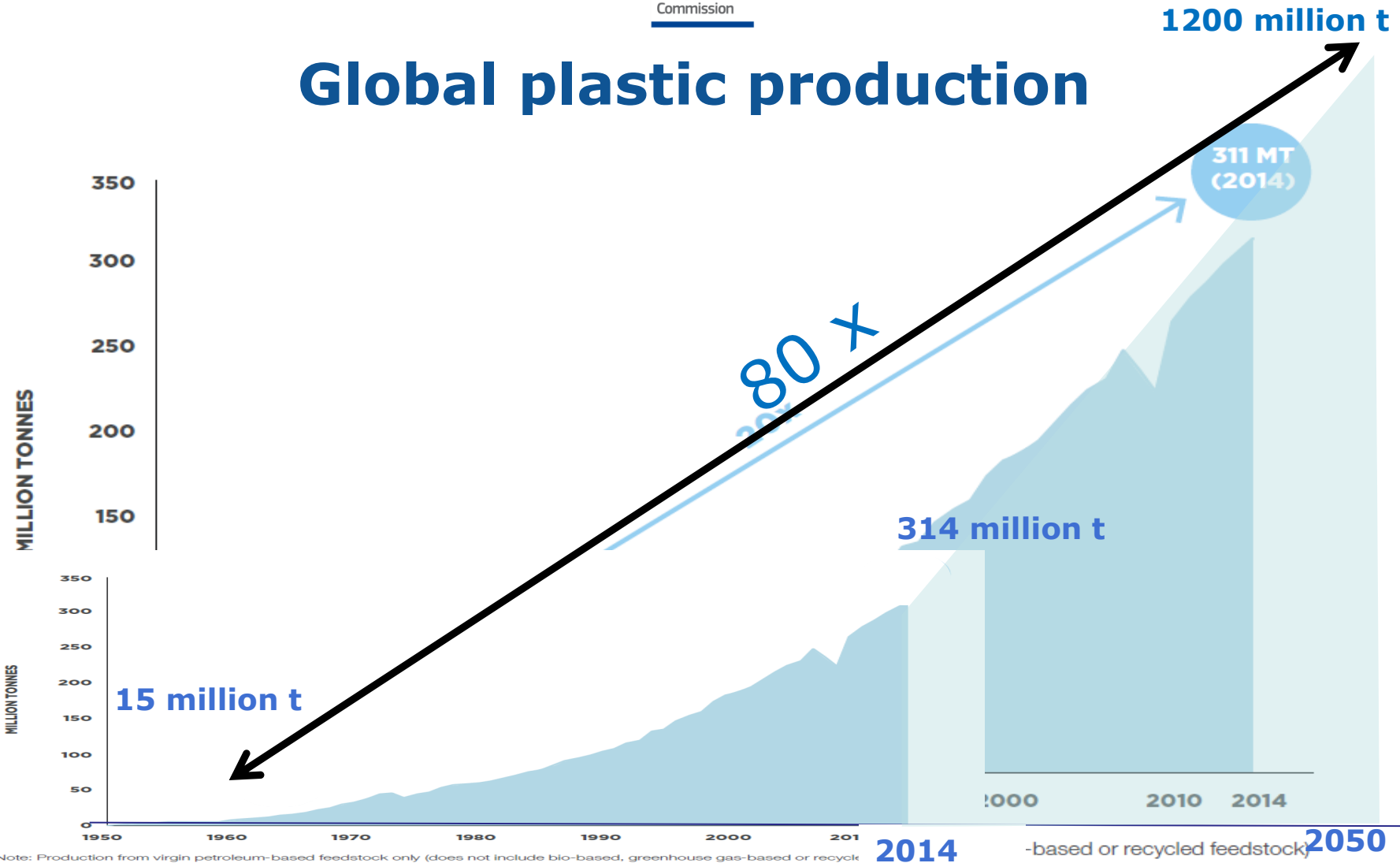


# **Deliverable: Plastic Strategy**



European Commission

# Global plastic production



Note: Production from virgin petroleum-based feedstock only (does not include bio-based, greenhouse gas-based or recycled feedstock)

Source: PlasticsEurope, Plastics – the Facts 2013 (2013); PlasticsEurope, Plastics – the Facts 2015 (2015); PlasticsEurope, Plastics – the Facts 2013 (2013); PlasticsEurope, Plastics – the Facts 2015 (2015).



# Plastic strategy

- Plastic leaks into environment
- Plastic production relies on fossil fuel with high life-cycle GHG impacts
- The full potential of plastic reuse and recycling is yet to be used



# Linear plastic is out - Circular is IN

- **Design!** Durability, recycling, toxicity, microplastics
- Collecting, sorting & recycling of all plastic
- Develop markets for secondary plastic

## Process:

- Roadmap
- Communication - by the end of 2017





# Circular Economy Action plans: Next steps

- **More than 50 key actions** in the Annex of CEAP:
  - Timeline for implementation
  - First report to EP in January
  - Progress report 5 years after adoption
- **European Parliament and Council** to decide on the 4 legislative proposals on waste

# Thank you!



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## What can YOU do?

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**reuse**



**sort**



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**recycle**



**return**

