

# Closing the loop: A circular economy for Europe



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***DG Environment***

***Sustainable Production, Products & Consumption***

**WHY ?**

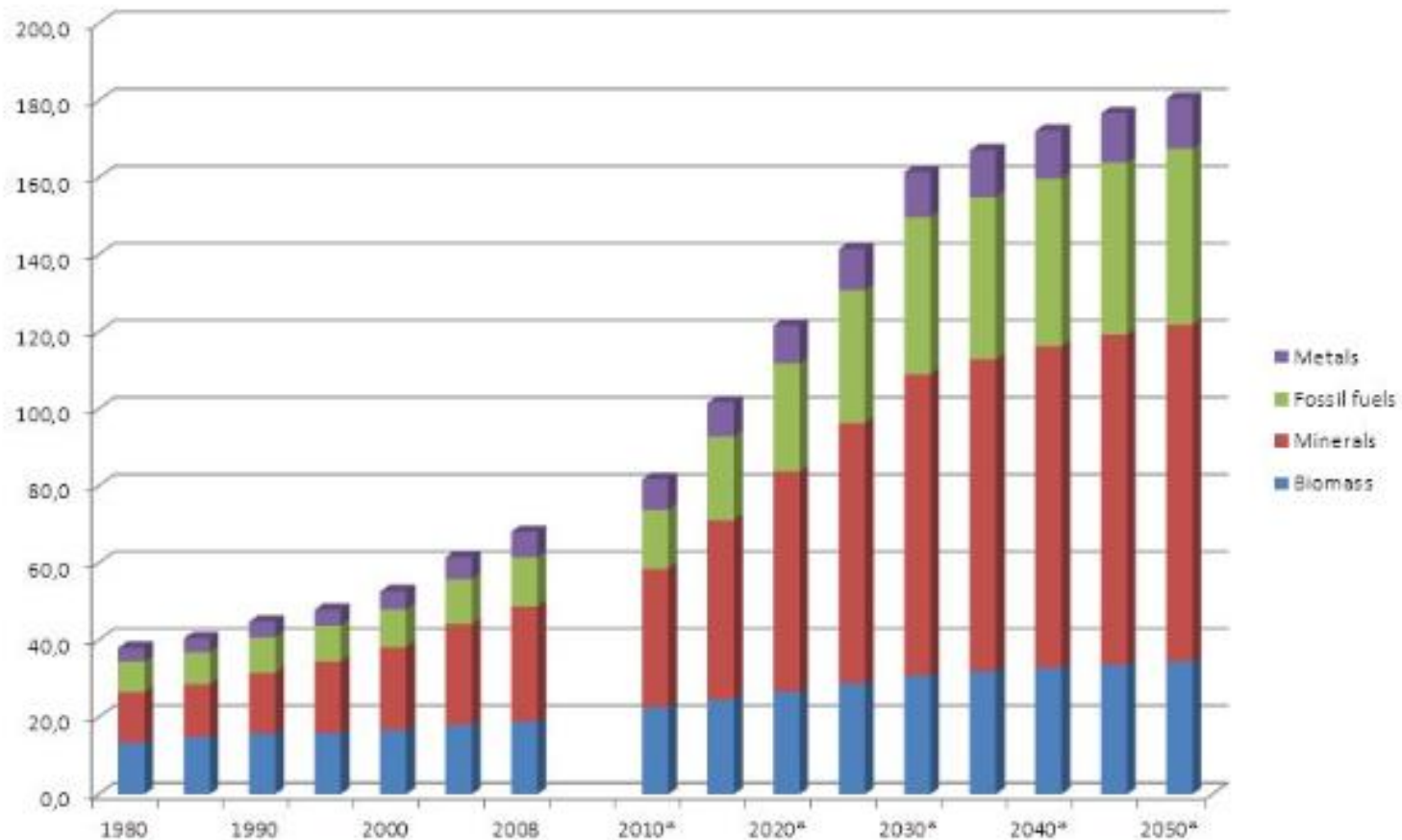
**WHAT ?**

**SUCCESS KEY FACTORS**

**NEXT ?**

# WHY ?

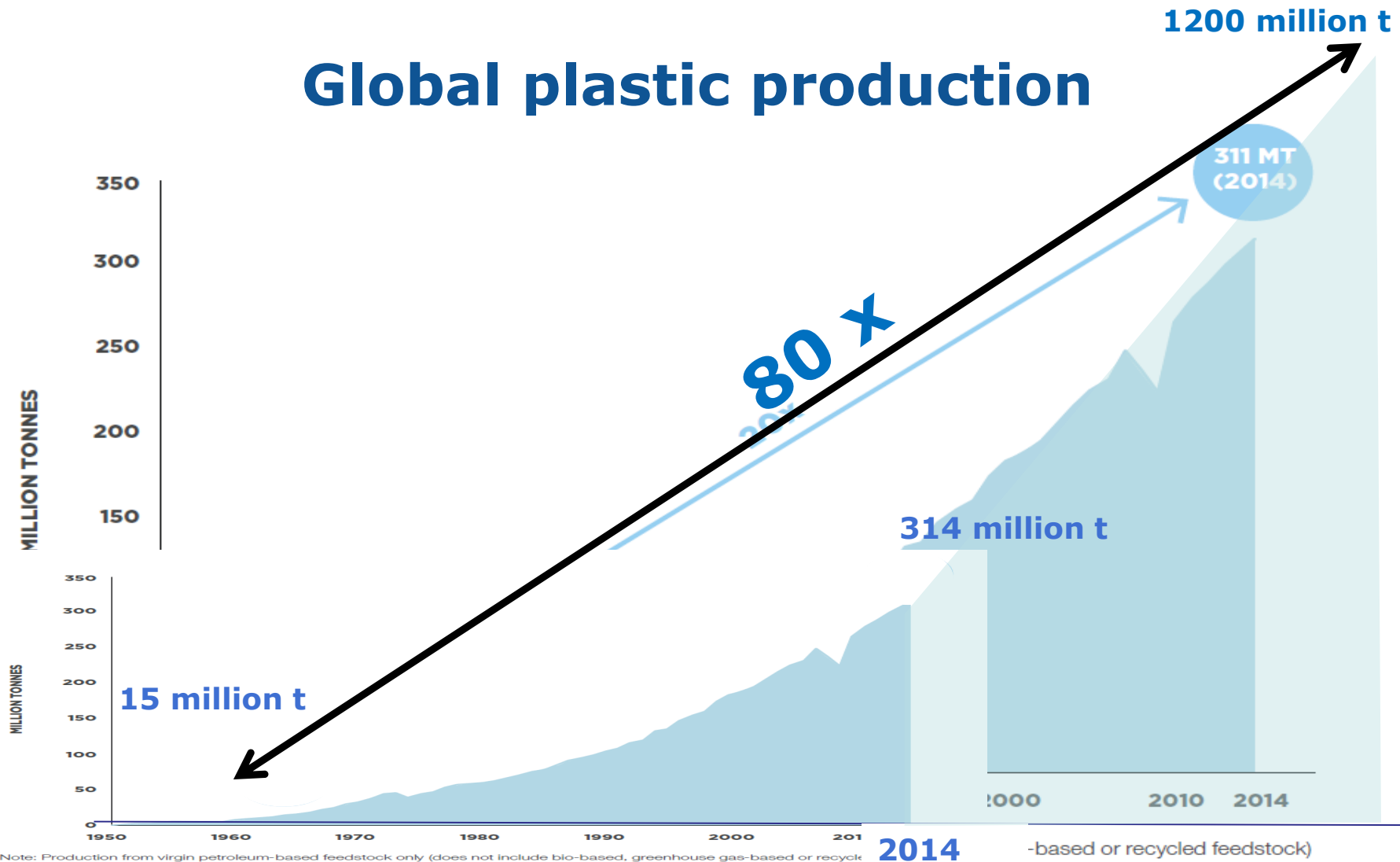
# Resource use



Note: \*projection

**SERI (2013):** SERI Global Material Flows Database. 2013 Edition.  
Available at: [www.materialflows.net](http://www.materialflows.net)

# 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).

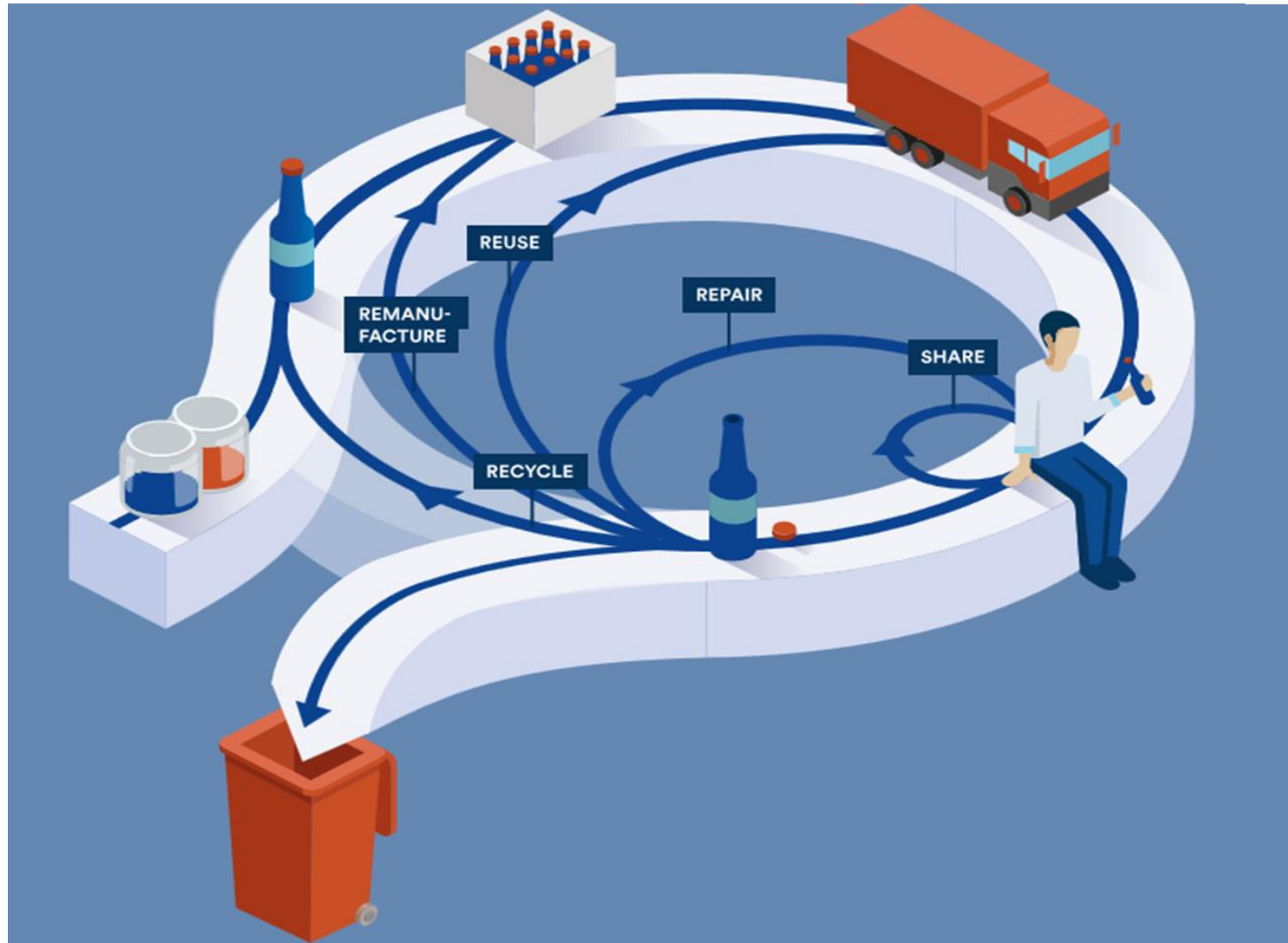
Source: PlasticsEurope, Plastics – the Facts 2013 (2013); PlasticsEurope, Plastics – the Facts 2015 (2015).





# WHAT ?

## *A vision*





## *An Action Plan*

### 4 Key areas of action



### 5 Priority sectors



***Innovation – Investments – Indicators***

# Milestones actions

## **Circular Design & Production Processes**

Eco-Design Working Plan  
Sustainable Products in a  
Circular Economy



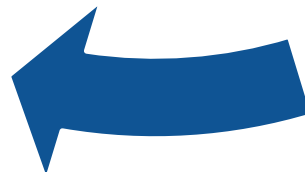
## **Empowering Consumers**

Product Environmental  
Footprint  
Consumers REFIT



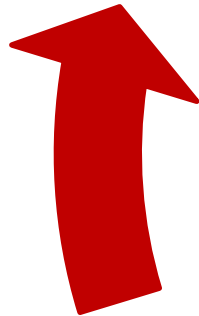
## **Turning Waste into Resources**

Revised Waste Legislation



## **Closing Loops of Recovered Materials**

Interface WPC  
Fertilising Products  
Regulation





## ***The Waste Package***



- **By 2035, all EU countries should recycle at least 65 % and landfill less than 10 % of municipal waste**
- **By 2030, at least 70 % of all packaging waste in each EU country should be recycled**



**There are also recycling targets for specific packaging materials:**

- **Paper and cardboard: 85 %**
- **Ferrous metals: 80 %**
- **Aluminium: 60 %**
- **Glass: 75 %**
- **Plastic: 55 %**
- **Wood: 30 %**



**Smart**

**Innovative**

**Sustainable**



**EU Plastics Strategy** - 4 priority areas



All plastic packaging will be reusable or recyclable by 2030  
Stimulate design for circularity  
Better separate waste collection  
Boost the market for recycled plastics



Actions on macro and micro-plastics, oxo- degradable plastics and Port Reception Facilities Directive



Strategic Research Innovation Agenda for Plastics  
Support the development of alternative feedstock (LCA including biomass)  
Guidance on eco-modulation fees

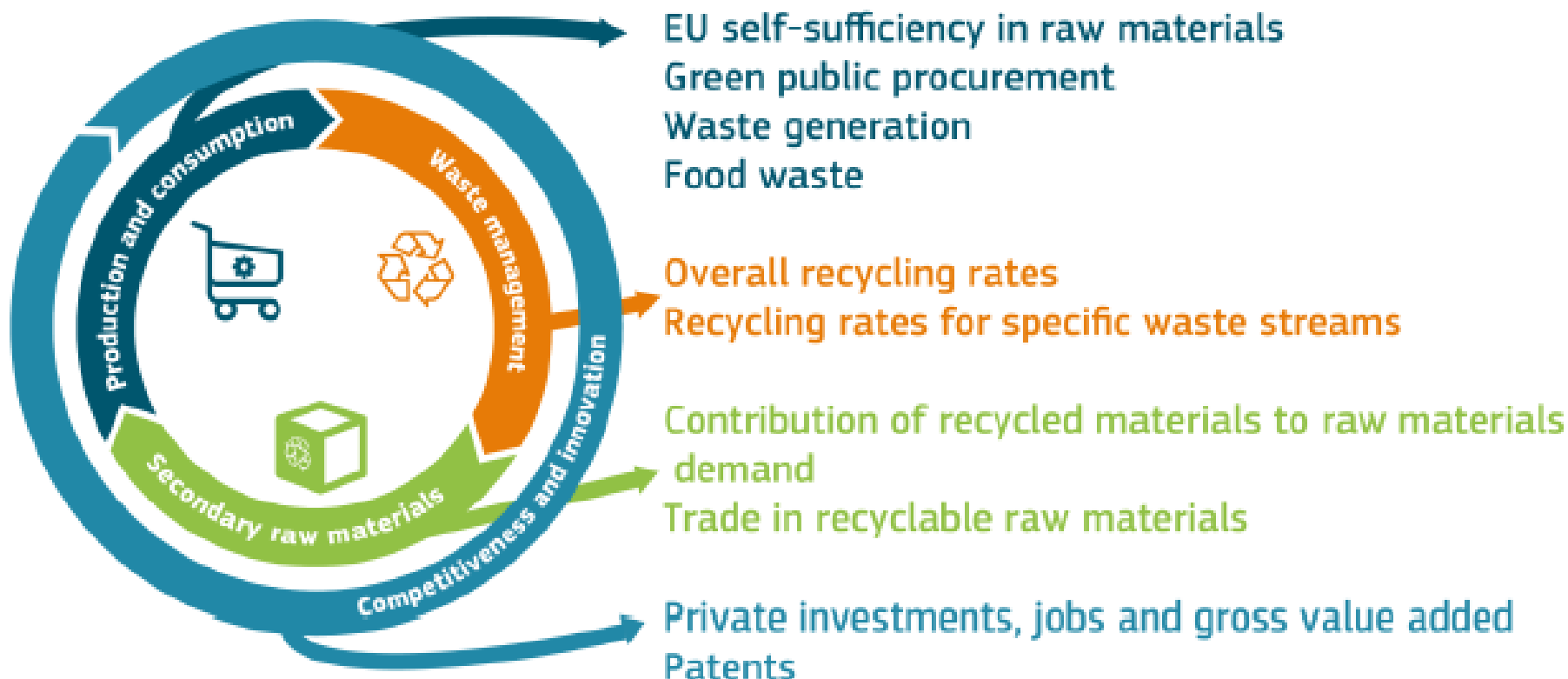


Support to bilateral and multilateral initiatives on plastics  
Promote international industry standards development  
Development in cooperation funding

## Monitoring

### Circular Economy Monitoring Framework

*Measuring progress at EU and national level in the transition to a circular economy*



# SUCCESS KEY FACTORS

- ***Business case***
- ***Building on multipliers/replicators/networks***
  - ***Involving stakeholders - Critical mass***
  - ***On top of the political agenda***
- ***Ownership and personal commitment of political leaders***





#CEstakeholderEU

## European Circular Economy Stakeholder Platform

A joint initiative by the European Commission and the European Economic and Social Committee



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*representatives of networks of businesses, civil society and  
local, regional and national public authorities*



**Submit your own good practices, knowledge,  
strategies and voluntary commitments!**

Link to website: <http://circulareconomy.europa.eu/platform/>



# NEXT ?

# Open challenges

## Follow up to the CEAP actions

- Circular products and services
- Empowering circular consumers
- Implementation of legislation
- Develop markets for secondary raw materials

## Pursuing together other systemic transformations

- Using biological resources in a circular way, respecting the ecological boundaries and contributing to halting biodiversity loss
- Exploiting the synergies with a climate neutral economy
- Integrating digital transformations (while recognizing other impacts)
- Reinforcing social and territorial cohesion and balanced distribution of jobs
- Fostering circular and sustainable finances

## Circularity in other sectors

- IT, electronics, mobility, built environment, furniture, textile, food and drinks



**Jyrki Katainen** ✓ @jyrkikatainen · 18 mag

I believe that #CircularEconomy is one of the biggest global megatrends. You can compare it e.g. to digitalisation & globalisation. The more we can create new business models and recycle raw materials, the more added value stays in Europe.



Retweeted 16 times



**Frans Timmermans** ✓ @TimmermansEU · Jun 15

We need to mainstream the #CircularEconomy in everything we do - energy, internal market, infrastructure, #EFSI, structural funds...

→ Circular Economy 2.0