

# Circular Economy & Climate Change Mitigation



RawMaterials  
Connecting matters



ADVOCATES



Climate-KIC

# The challenge of demand in Europe



**49,000,000** TONNES  
EU Plastic Demand

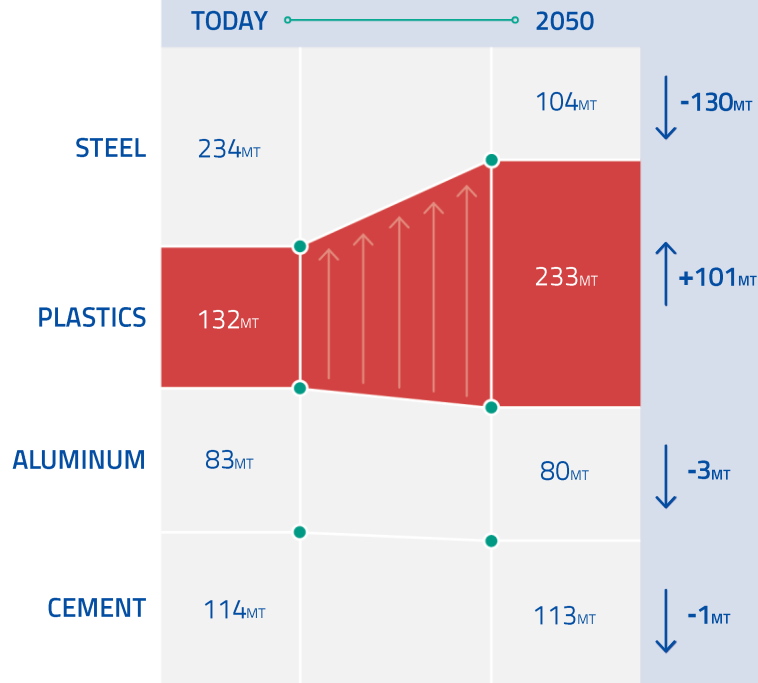
Waste to energy (burning plastic) is  
counter-productive and high-emission



## INDUSTRIES:



And... emissions are increasing



CO<sub>2</sub> Emissions from different material systems 2015 and 2050



# Required Action:

- Reduction in consumer demand
- Increased circularity of plastics use
- Dematerialisation of the plastics supply chain
- Decreased waste
- Alternative/smarter materials

# EIT-Climate-KIC eCircular flagship project

## BUSINESS MODELS

Disruption, evolution, waste prevention and dematerialisation

## DIGITALISATION & INDUSTRY 4.0

Fostering interoperability of data and circularity of plastics value chain



## ECO-DESIGN & SMART MANUFACTURING

Delivering change to existing manufacturing processes.

## REGULATION & INCENTIVES

Promoting plastic waste prevention

# Industry lab



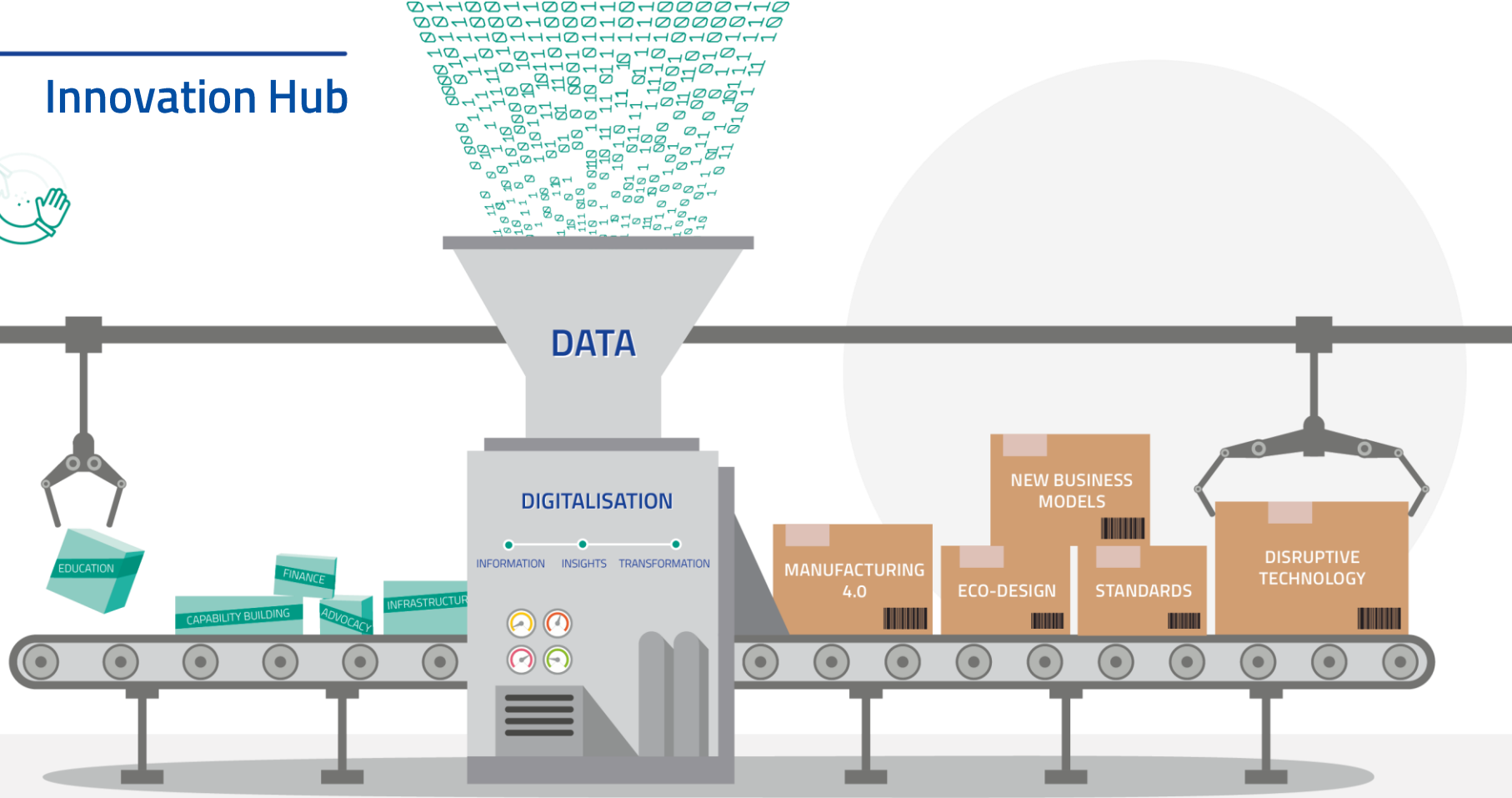
Data  
& Industry Insights

Academic Support

Professional Advocacy  
& Political Showcase



# Innovation Hub





# Knowledge sharing

Education  
Training  
Qualifications  
Capability Building

Empowering Industry  
Engaging Consumers  
Challenging Old Thinking  
Upskilling



# Thank you for your attention!



RawMaterials  
Connecting matters



ADVOCATES



Climate-KIC