

# **newTRENDS: New trends in energy demand modeling**

## **Policies influencing energy demand arising from new societal trends**

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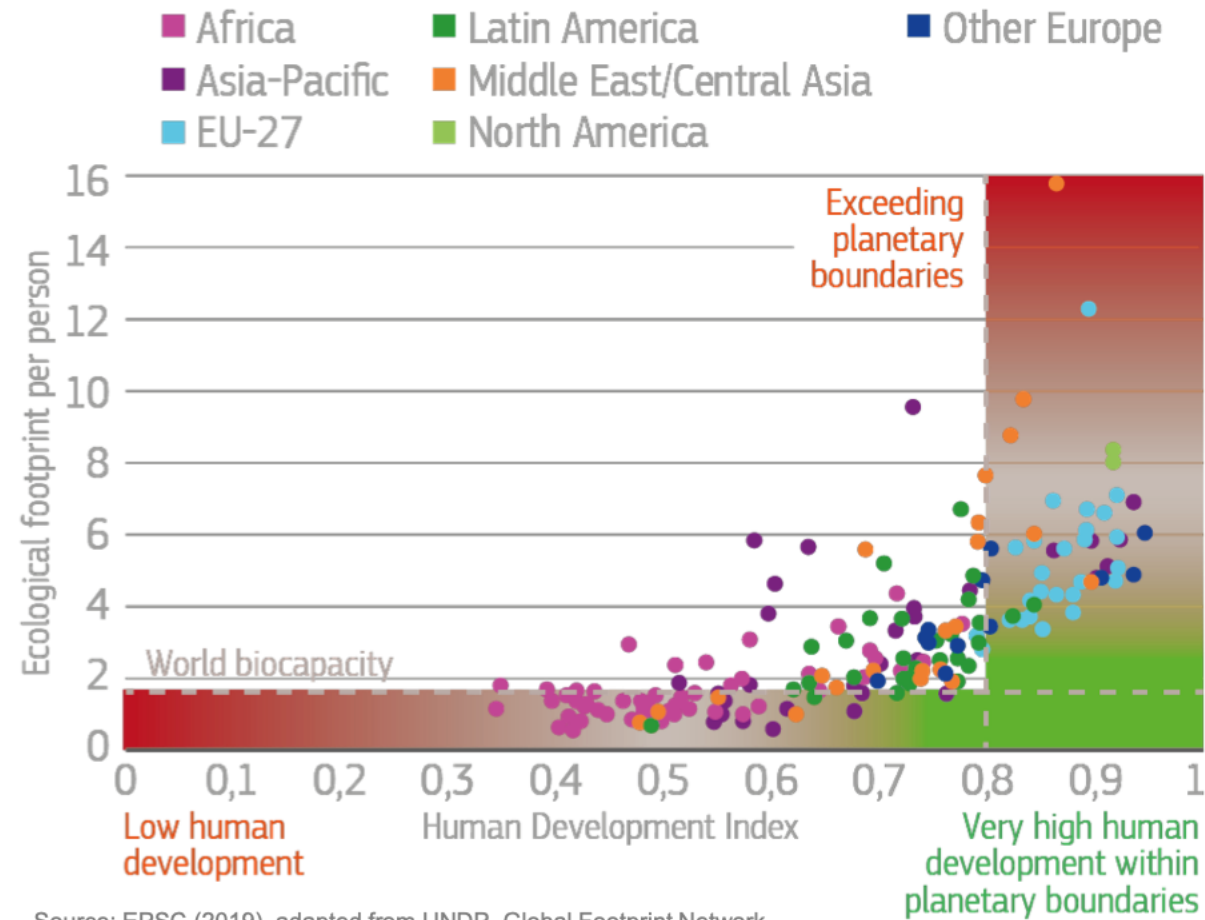
newTRENDS 1st Stakeholder Workshop, 22/10/2021



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# EU POLICIES & NEW TRENDS: BACKGROUND

Not a single country in the world has achieved a high human development within planetary boundaries



Source: EPSC (2019), adapted from UNDP, Global Footprint Network

How to get there?

# EU POLICIES & NEW TRENDS: HOW DID IT ALL START?



## DIGITALISATION

Communication from the Commission on telecommunications (1983)



## PROSUMAGING

European Parliament resolution on energy infrastructure priorities for 2020 and beyond (2011)

1980

1990

2000

2010

2020



## SHARING ECONOMY

Opinion of the EESC on 'Collaborative or participatory consumption, a sustainability model for the 21st century' (2014)

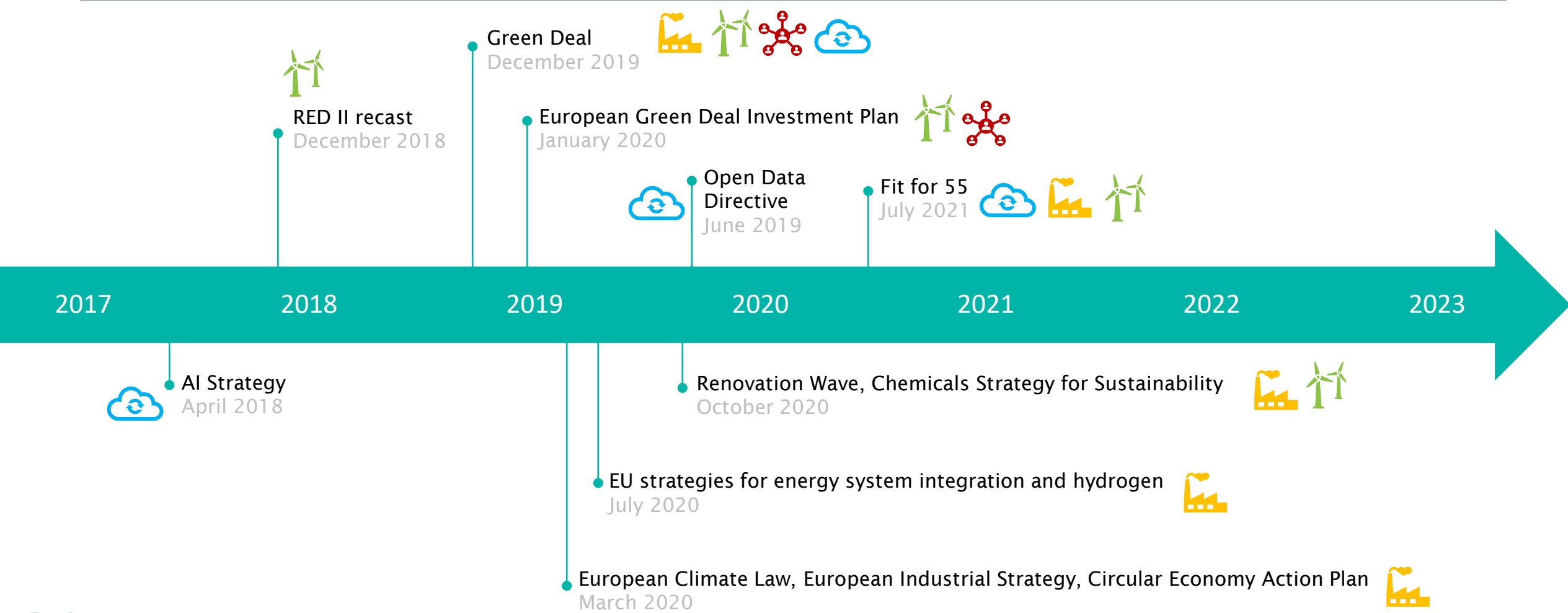


## CIRCULAR ECONOMY

Communication from the Commission: Thematic Strategy on the sustainable use of natural resources (2005)



# EU POLICIES & NEW TRENDS: RECENT DEVELOPMENTS & OUTLOOK



# EU POLICIES & NEW TRENDS:

## Core discussion questions for today (1/2)

- **What policies can enhance the demand decreasing trends of New Societal Trends?**
  - what policies are most impactful?
  - what policies are missing?

### Regulations

- Building/grid codes and standards
- Product & sectoral standards
- Auditing
- Obligation schemes
- Carbon Emissions Reduction Targets
- Energy market regulations

### Economic and financial instruments

- Government procurement
- RD&D funding
- Tariffs
- Grants and subsidies
- Loans/soft loans
- Taxes—tax relief/exemption
- User charges
- GHG emissions allowances trading scheme

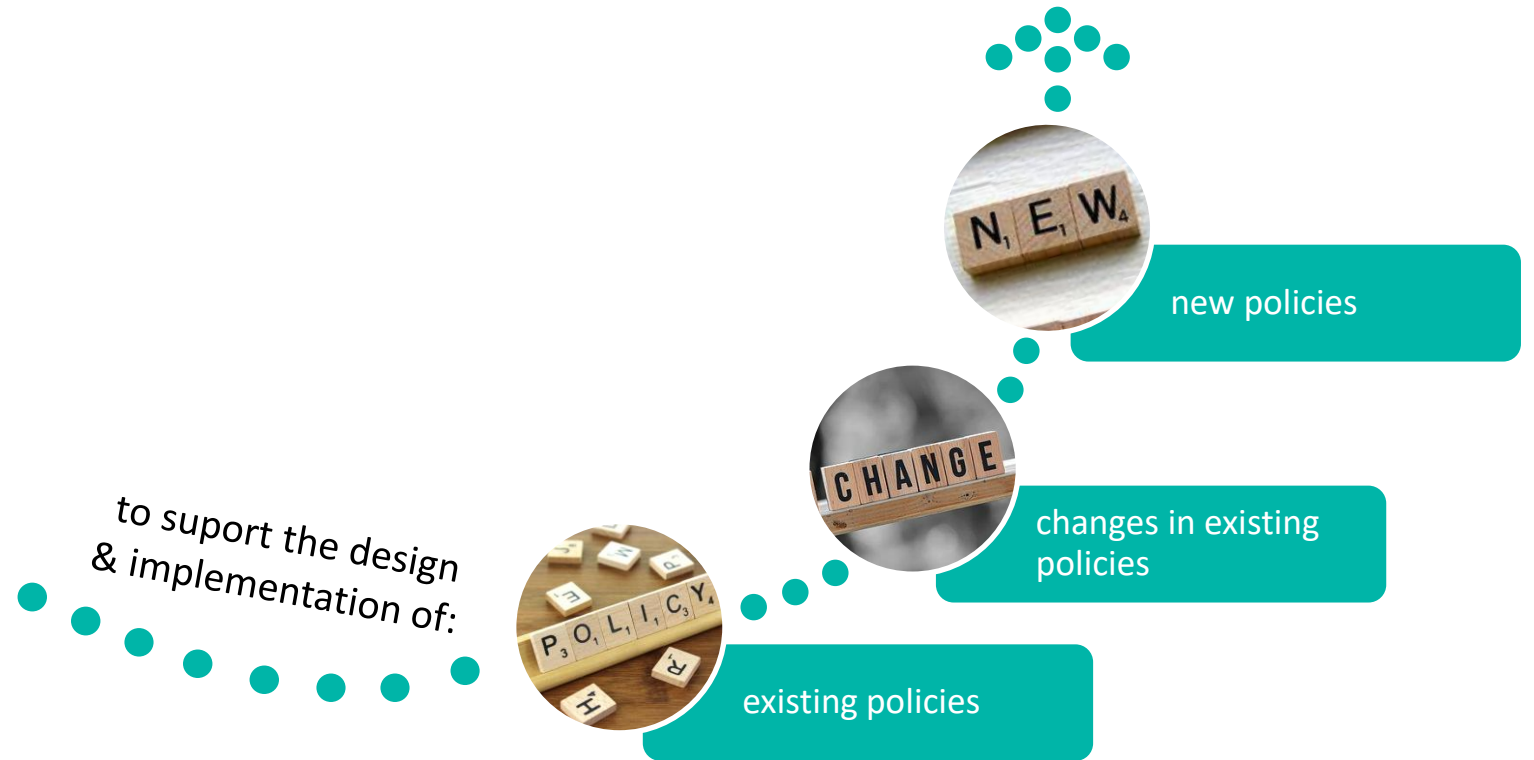
### Soft instruments

- Performance & endorsement labels
- Information campaigns
- Voluntary approaches:
  - Negotiated Agreements (Public-private)
  - Public Voluntary Schemes
  - Unilateral Commitments (Private)

# EU POLICIES & NEW TRENDS:

## Core discussion questions for today (2/2)

- What are the demand-side policy needs at European level?
  - what questions should models cover?
  - what type of results should models deliver?



# TIME FOR BREAKOUT ROOMS!

