

EU ENI East Twinning project  
 Supporting inter-sectoral collaboration possibilities between  
 Research and Industry  
 GE 18 ENI OT 02 19

Mobilising industry  
 for a clean and circular economy

Public lecture

# “EU GREEN DEAL POLICIES AND RELATION TO SCIENCE”

24 September 2021, Tbilisi, Georgia,  
 in the framework of the “European Researchers’ Night” organized by SRNSFG



science KNOW



by Johannes Mayer



business GROW



Der Wissenschaftsfonds.



DLR Projektträger



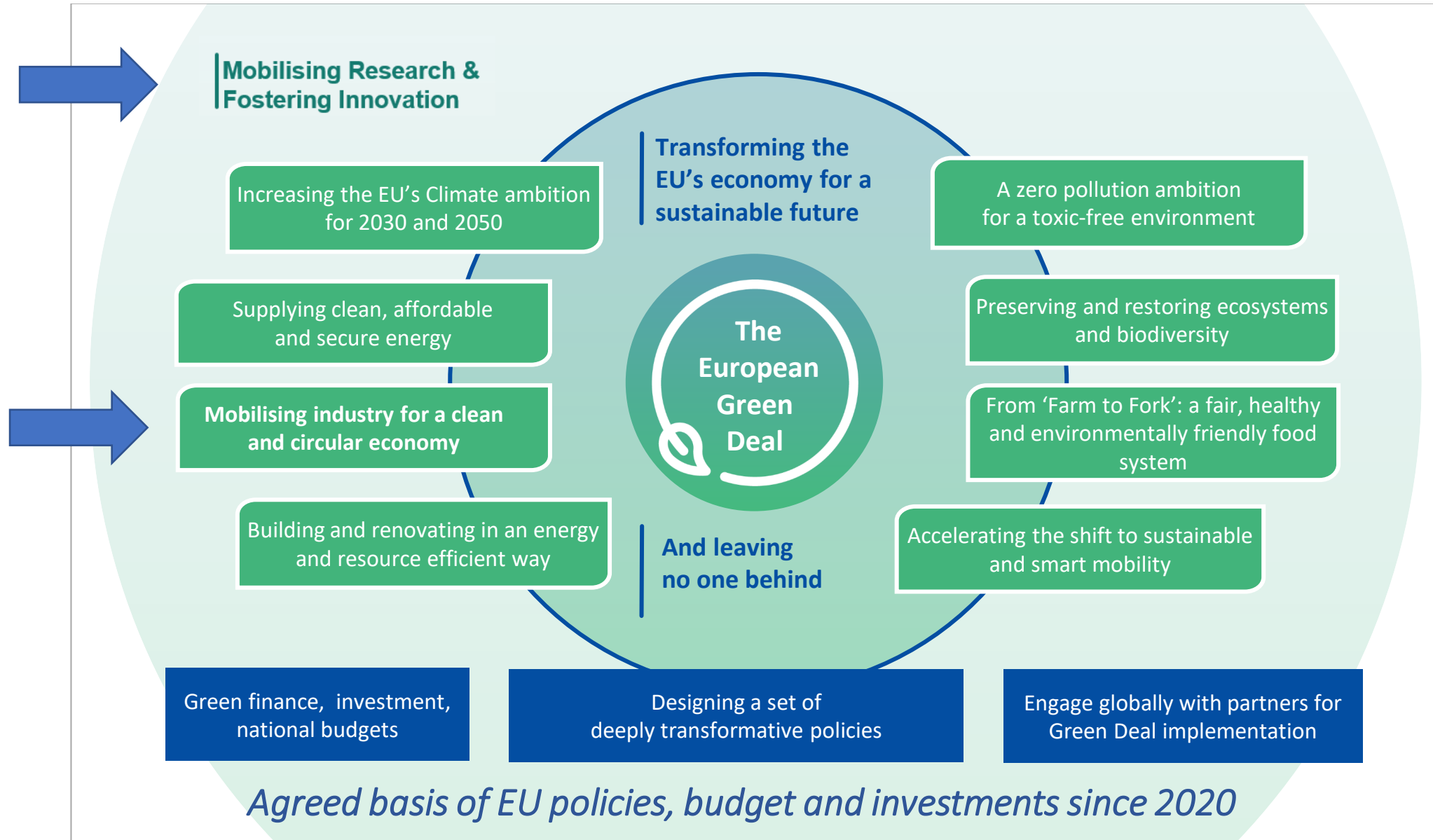
FFG  
 Promoting Innovation.



# European Union Policies and Legislation

- aim to be based on sound **scientific evidence** and **constant innovation**
- are participatory through inclusion of all economic and social stakeholders in their definition
- are adopted to a large extent by **Georgia** in its Association Agreement with the European Union
- are based on transition to sustainable development as defined in the **European Green Deal** policies, and again
- require **constant science based innovation** for their implementation

# The European Green Deal



# THE NEW CIRCULAR ECONOMY ACTION PLAN

Need to drive efforts at global level:

- Global agreement on plastics
- Global Circular Economy Alliance
- Promote CE bilaterally, regionally and multilaterally, incl. through development and international cooperation programmes
- Regional focus: Africa, Western Balkans, **Neighbourhood Agreement**
- Free trade and **association agreements** to reflect enhanced Circular Economy objectives

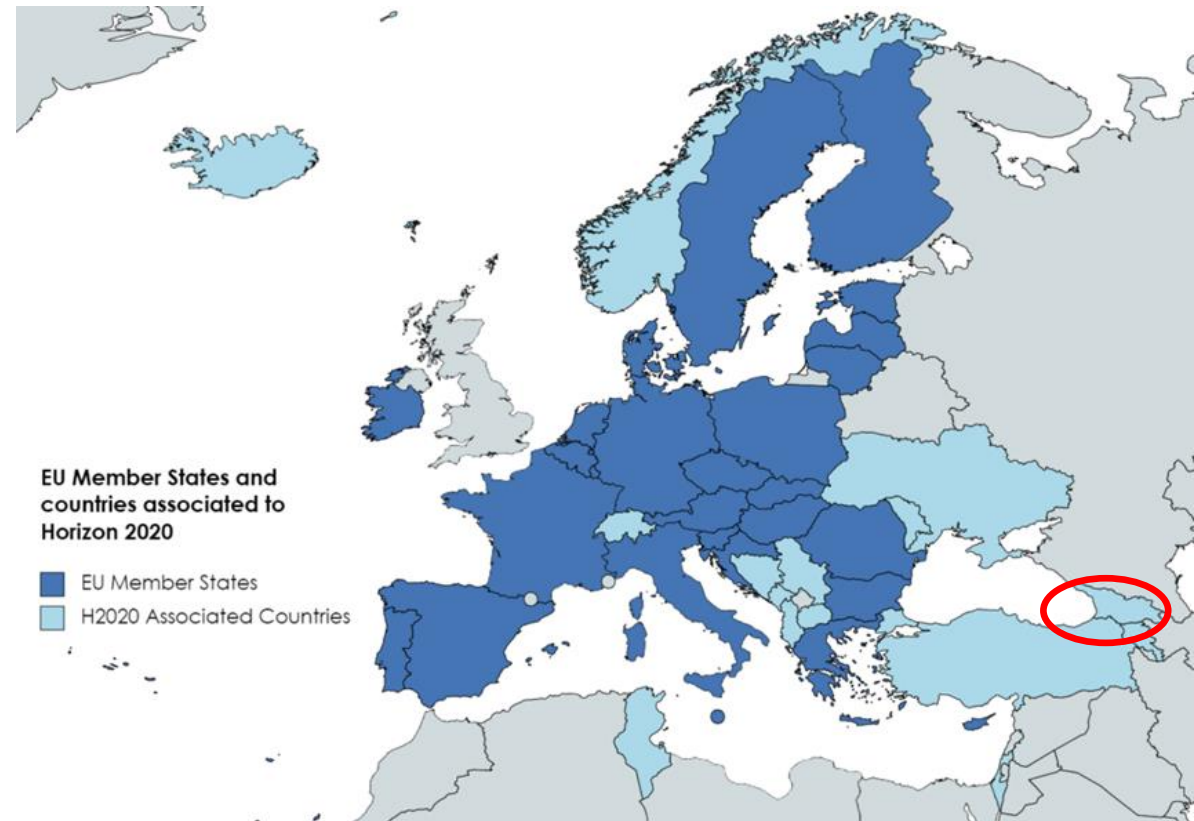


## MOBILISING RESEARCH & FOSTERING INNOVATION

- ▶ At least **35% of Horizon Europe funding** for climate solutions
- ▶ Four '**Green Deal missions**' (climate adaptation, oceans, cities and soil)
- ▶ **Several European Partnerships** with industry and Member States
- ▶ **European Institute of Innovation and Technology** support to young researchers and innovators
- ▶ **European Innovation Council** focused on radically new, breakthrough products, services and processes
- ▶ **Data and digital infrastructure** in support of the ecological transition

# European Green Deal call 2020 / 2021

- Last and largest Horizon 2020 call in the Programme for Research & Innovation 2018-2020 – **1 billion EUR**
- Aim to provide **innovative solutions**, demonstrate **tangible results**
- Innovation actions developed by at least three independent legal entities from different EU Member States or Horizon 2020 associated countries (including **Georgia**).



# European Green Deal call areas

1. Increasing climate ambition
2. Clean, affordable and secure energy
3. Industry for a clean and circular economy
4. Energy and resource efficient buildings
5. Sustainable and smart mobility
6. Farm to fork
7. Biodiversity and ecosystems
8. Zero-pollution, toxic-free environments

December 2020:  
1,550 proposals

July 2021:  
72 proposals selected  
for contracting

From September  
2021: contracted  
proposals to be  
published

## 3. Industry for a clean and circular economy

- **3.1 Closing the Carbon Cycle in Industry:** Demonstrate the Industrial feasibility of catalytic routes for sustainable alternatives to fossil resources. Looking towards new catalytic systems in conjunction with renewable energy (solar, wind and hydropower), to facilitate the transformation of CO<sub>2</sub> into feedstock, fuel and chemicals, thereby replacing fossil resources.
- **3.2 Implement and demonstrate circular systemic solutions** for the territorial deployment of the circular economy (including the circular bioeconomy) in one 'circular territorial cluster', in co-operation with the Circular Cities and Regions Initiative (CCRI)





Thank you for your attention!  
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