



# Science, Technology and Innovation in the context of SDGs

**- Sharing the EU's experience of  
innovation for sustainability**

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task team  
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# Europe in the world



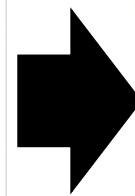
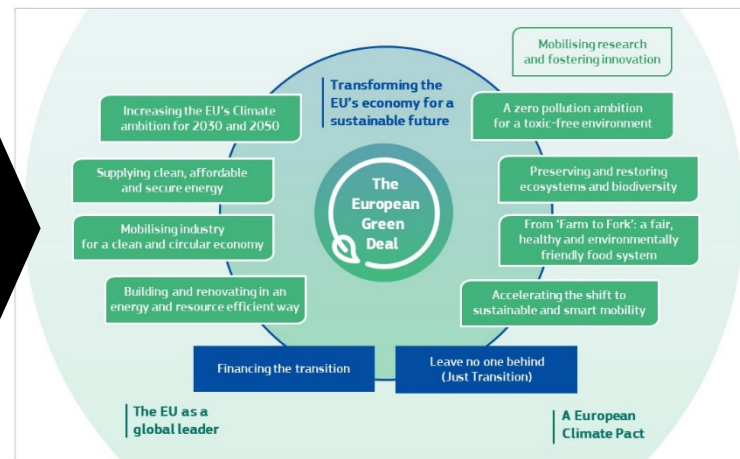
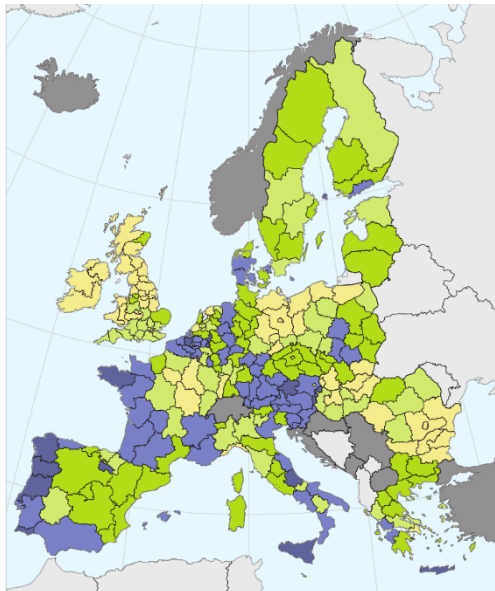
Multilateralism and  
Partnerships

With countries across the  
world to achieve  
Sustainable development

Reinforced partnership  
with Africa and  
Neighboring countries

Highest standards on  
Climate, environment and  
labour protection

# Sustainability – European Green Deal and SDGs



- 6. Clean Water and Sanitation
- 7. Affordable and clean energy
- 11. Sustainable cities and communities
- 12. Responsible consumption and production
- 13. Climate action
- 14. Life below water
- 15. Life on land

**Countries,  
regions,  
cities**

**European Green Deal**

# European Green Deal – accelerate and tilt socio-economic systems

Clean Energy

Biodiversity

Circular  
Manufacturing

Food and  
Agriculture

Just Transition

Clean Mobility

Sustainable  
Housing



# Facilitated by Digitalisation Europe fit for the Digital Age



## Production and services

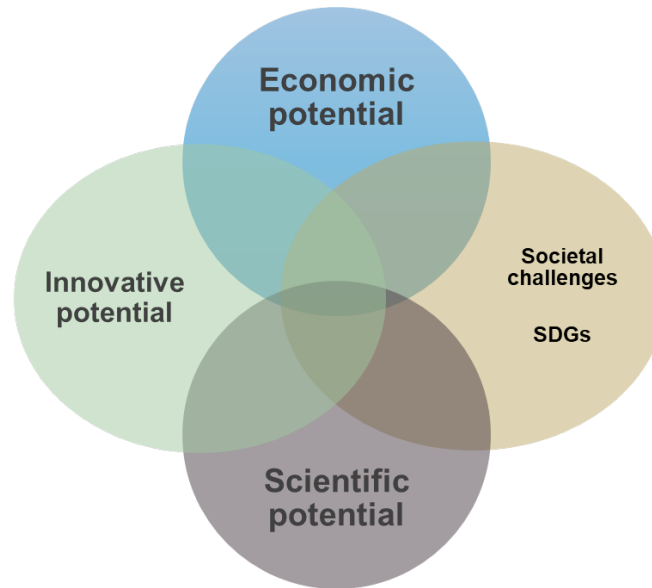
**IoT, 3D, AI, Blockchain, Telework,  
e-Commerce**



## Smart cities

**5G, Big Data, AI, IoT,  
mobility, smart buildings**

## Smart specialisation – bottom-up engagement



- **Governance:** quadruple helix, proactive, cross-department
- **SWOT:** old assets new opportunities, positioning, vulnerability
- **Vision:** Societal, Which future do we want? broad innovation
- **Entrepreneurial Discovery:** PPPPs, citizens, international actors
- **Innovation-driven:** investment, regulation, infrastructure, skills
- **Learning:** experiment-learn-pivot, engage citizens, continuous





## Local Missions – Moonshot Missions

*e.g. Climate-neutral Cities by 2030*

### Regions, Cities, Villages, Islands

- Clean public transport and bicycle infrastructures
- Electric mobility and sharing mobility economy
- Urban planning
- Incentivize teleworking in public and private sector
- Generate renewable energy for local use
- Micro-grids for district heating with renewables
- Circular flows of water-energy-waste
- Legislation stimulating innovative firms and solutions
- Test demonstration projects with users and consumers
- Housing energy-efficient and affordable
- Local and organic food and agriculture
- Protection of biodiversity
- Nature-based cities, nature-based solutions, nature in cities
- Engage citizens in crowdfunding and in monitoring progress
- Place-based innovation ecosystems (including social innovation)
- Attract international firms and actors while increasing local absorptive capacity

### European Mission



**Climate neutral  
Europe by 2050**

1. Target ambitious & visible
2. Investment
3. Legislation
4. Reforms
5. Innovative solutions
6. With Citizens!



## Europe - Africa

### – S3 for SDGs in Rwanda

Pilot:

- In cooperation with Ministry for ICT and Innovation in Rwanda
- Smart specialization for STI roadmaps to SDGs
- Governance support for sustainable transformation
- Dialogue across many actors
- Climbing up value chains





***Thank you for your attention!***

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