



Energy aspects of the economic recovery

*12th meeting of the network of
Energy and Managing Authorities*

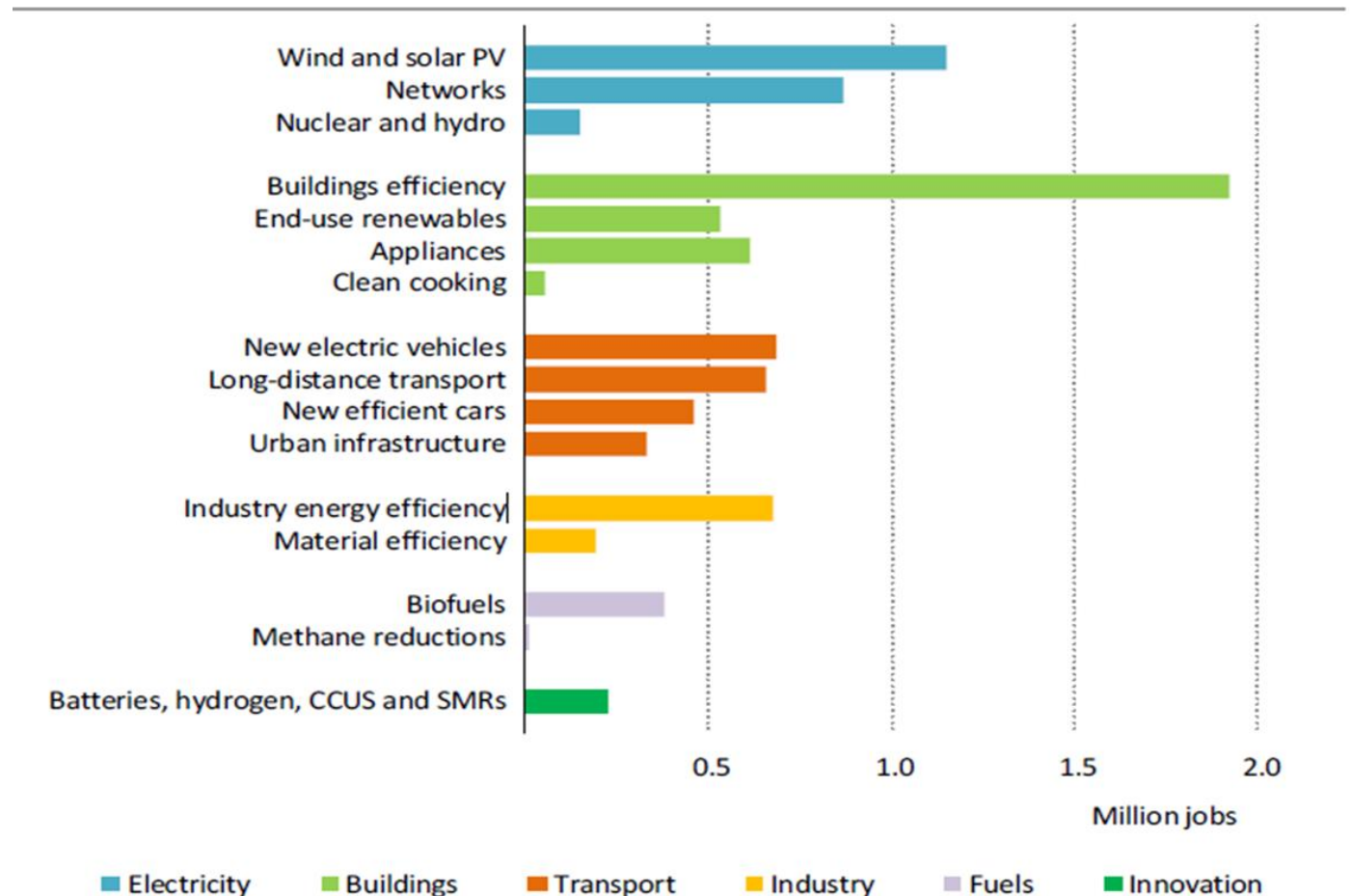
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*Adela Tesarova
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Green energy and recovery

- **European Green Deal:** the EU growth strategy; the **engine and the compass** of the European recovery efforts

“...we should invest in the new economy to come out of the crisis in better shape than we went into it, fit for the future: sustainable, inclusive, competitive and prepared.”
/EVP Timmermans/



Green reforms and investment: annual average jobs created in constructing and manufacturing projects per policy area (IEA)

Energy priorities and their financing

Key areas:

- Energy renovations in public buildings and social infrastructure, including through engagements of Energy Service Companies (ESCOs)
- Energy renovations of residential buildings
- Energy efficiency in SMEs (buildings)

Key funds: RRF, InvestEU, JTM, Cohesion Funds (plus REACT-EU), Horizon Europe (R&I) Modernisation Fund, LIFE

Renovation
Wave

Key areas:

- Renewable Power Generation
- Renewable-based heating and cooling
- E-mobility based on renewables

Key funds: RRF, InvestEU, JTM, Cohesion Funds (plus REACT-EU), CEF*, Horizon Europe (innovation), Modernisation Fund, Innovation Fund, LIFE

*for cross border RES projects

Renewable
Energy

Key areas:

- Transmission and distribution infrastructure
- Smart grids
- Storage infrastructure
- District heating and cooling
- Direct electrification in end-use sectors
- Industrial energy efficiency and EE by SMEs
- Infrastructure for CO2 transport

Key Funds: RRF, CEF [T], Cohesion Funds [D] (plus REACT-EU), InvestEU, JTM, Modernisation Fund, Horizon Europe (R&I), LIFE

Energy
System
Integration

Key areas:

- Upscaling electrolyser capacity for green hydrogen production
- Boosting the use of green or low carbon hydrogen in end-use sectors [transport, industry]
- Infrastructure for the transmission and distribution of hydrogen

Key funds: RRF, InvestEU, Cohesion Funds (plus REACT-EU), JTM, CEF, Horizon Europe (R&I), Innovation Fund, Modernisation Fund, LIFE

Hydrogen

European Recovery and Resilience Facility (RRF)

-  • Public sector (and publicly led) investments and reforms, including in green and digital transitions, including cross-border investments.
- All Member States eligible.
-  • **Grants and loans** for national **Recovery and Resilience Plans** defined in line with the objectives of the European Semester and coherence with National Energy and Climate Plans.
- Eligibility based on the principle of “do no significant harm”
- **Green energy – flagship areas for reforms and investments** under Recovery and Resilience Plans (building renovation, renewable energy and hydrogen, modernization of networks)
-  • **€672.5 billion** of which **€312.5 billion** for grants and **€360 billion** for loans.
- No need for national co-financing.
- 37% climate mainstreaming (up to **€249 billion**)
- Commitment period 2021 - 2023

Energy projects for green recovery

Examples – replicating successful projects, like:

- Revolving funds for buildings renovation – e.g. La Marche Region – Italy, or Kredex – Estonia;
- Publicly supported renovation of residential buildings (e.g. PadovaFit – Italy, or LABEEF – Latvia);

Renovation
Wave

Renewable
Energy

Examples:

- New Solar Thermal Power Plants – Spain.
- Concentrated Solar Power Project on the island of Crete, Greece

Examples:

- Baltic synchronisation (electricity) – Poland, Estonia, Latvia and Lithuania.
- The Netherlands, Waterstroemen - A pipeline connection to transport biogas/biomethane.

Energy
System
Integration

Hydrogen

Examples:

- Sines/Green Flamingo – Portugal. Conversion of port infrastructure
- Hydrogen production combined with off-shore energy generation and e-fuelling – Bornholm, Denmark and Germany



Thank you for your attention!



Delivering the Energy transition with cohesion policy

Myriam Bovéda

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EMA meeting, 2 December 2020

A favourable framework for sustainable Energy investments



- A reinforced climate objective : 30% (ERDF) and 37% (CF) climate mainstreaming at fund level
- Earmarking 30% ERDF at MS level for Policy Objective 2 « a greener low-carbon Europe »
- Enabling conditions focused on effectiveness of spending (e.g link with NECPs)
- Excluding undesirable investment (e.g. fossil fuels, landfilling, treatment of residual waste)
- Climate proofing of infrastructure projects
- Just Transition Mechanism and Just Transition Fund
- New interregional innovation instrument, stronger focus on sustainability in S3

Delivering the energy transition (ERDF, CF)

- Support the objectives of the EGD
 - Energy Efficiency first principle
 - Avoid investment in stranded assets
 - Support the renovation wave
 - Based on the national energy and climate plans (NECPs)

- Specific Objectives to be supported under PO2
 - Promoting energy efficiency measures
 - Promoting renewable energy
 - Developing smart energy systems, grids and storage at local level

- Estimated investments expected under PO2 : at least EUR 100 billion

Alleviate the cost of the transition (JTF)

- Alleviate the social and economic costs arising from the transition to a climate neutral economy :
Ensure that no one is left behind : adress the impacts of transition
 - Stronger focus in scope of intervention than other cohesion programmes
 - Economic diversification and reconversion
 - Re-skilling and job seeking assistance for workers
- Support to climate transition and environmental sustainability incl. circular economy
- Each operation must contribute to the implementation of the territorial just transition plans
- JTF : EUR 17,5 billion – (100 billion for JTM)

Ensure complementarity of investments

- Depends of MS specificities
- Description of coordination mechanisms
- Project pipeline - timing of projects
- Possible technical assistance (ie : Just Transition Platform)
- Ensure complementarity with other investments (InvestEU, Modernisation Fund....)

Contact



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