Cluster for Sustainability Transition: Transforming Research and Innovation into Sustainability Action

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President-elect, European Association of Environmental and Resource

















Transformations for the Joint Implementation of Agenda 2030 for Sustainable Development and the European Green Deal:

A Green and Digital, Job-Based and Inclusive Recovery from the COVID-19 Pandemic

https://www.unsdsn.org/the-future-europe-wants-a-green-and-digitaljob-based-and-inclusive-recovery-from-covid-19-pandemic





Jeffrey Sachs President UN SDSN

Phoebe Koundouri President-elect EAERE co-Chair SDSN Europe

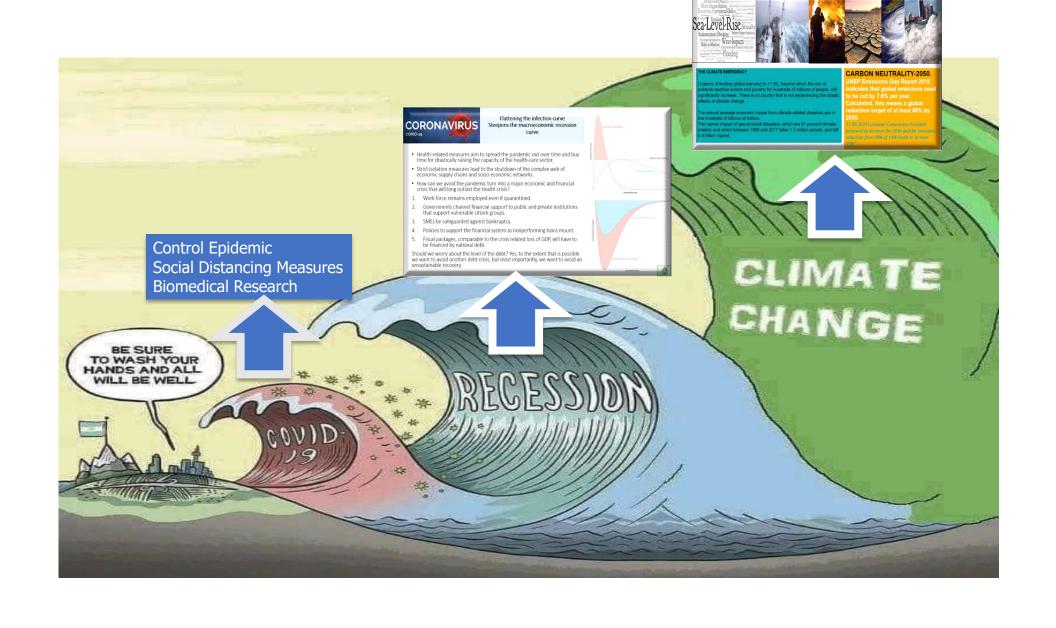
Paolo Carnevale Fondazione Eni Enrico Mattei

Carlo Papa Enel Foundation

Laura Cozzi International Energy Agency

Mariana Mazzucato University College London

Leonardo Becchetti University of Roma



SDSN Report-Main Messages





- Moral responsibility to "Build forward Better": COVID 19 pandemic-related recovery packages are financed by national debt, loans from future generations.
- Economic case for "Build forward Better": Recent simulations of the effect of green recovery plans worldwide confirm that a green economic stimulus is more growth-enhancing than a 'return-to-normal' stimulus that would merely boost current, unsustainable consumption and production patterns.
- Beyond fiscal stimulus that is expected to boost aggregate demand, this crisis calls for **transformative public investments** that will shape a sustainable and fair, green and digital transition, and **leverage private sector investment**.
- Long-term vision: United Nations' Agenda 2030 Sustainable Development Goals (SDGs), 2015 Paris Agreement. European Green Deal provides the right level of ambition and direction.
- This report connects four major policy initiatives the SDGs, the European Green Deal, the European Semester, and the EU recovery plan to support policymakers with actionable strategies that can guide EU-wide and national economic recovery in line with Europe's overarching sustainability agenda.

The Policy Framework





2018

2019

Dec 2019





2015



2015











193 Countries

17 SDGs

169 Targets



197 Countries

Limiting global temperature to well below +2°C

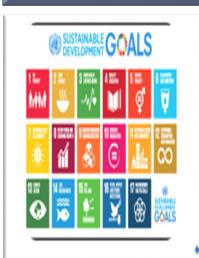
Limiting globa temperature to +1.5°C

Global CO2 to fall 45% from 2010 levels by 2030, reaching 'net zero' around 2050."

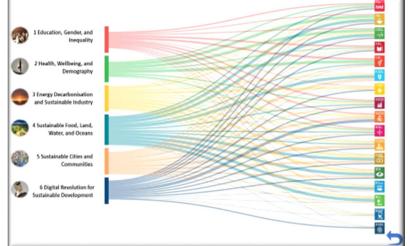
6 Major Transformations to achieve SDGs

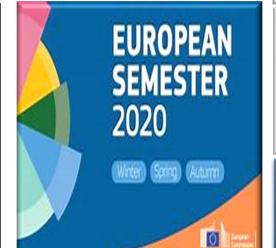














MS Leaders agree 55% emissions reduction by 2030





Our Approach

Cross-Mapping SDGs - EGD Policies European Semester Process

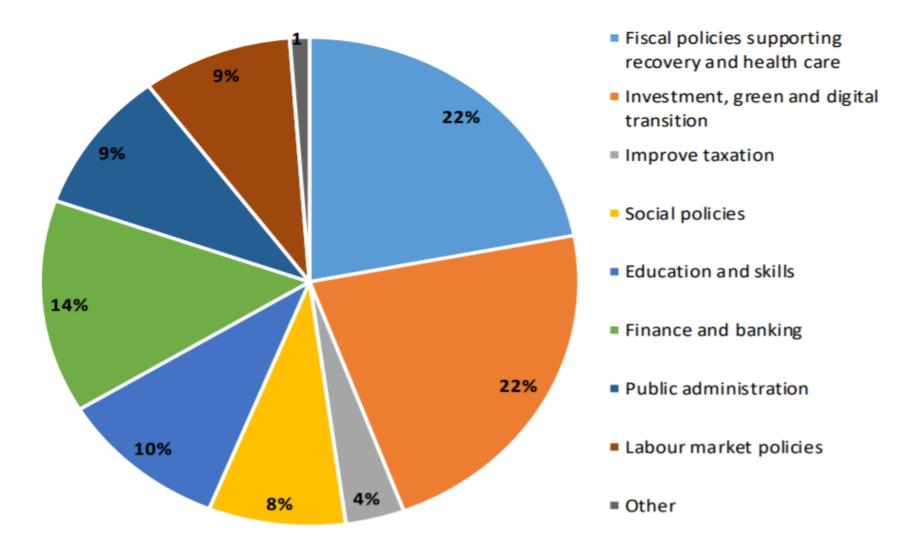
9. Assessment of potential sector-specific interventions based on sustainability criteria and stakeholder input

10. Based on steps II and 9, rank portfolios of interventions and affocate available budget

${\sf SDGs-EGD}$ (now being further investigated via Machine Learning)

| The Global Goals for Sustainable Development - Agenda 2030 | The European Green Deal | | | | | | | | | 1 | |
|---|----------------------------|-----------------|-----|----------------|--------------------|-------------------|--------------------|-------------------|-------------------|---------------|---|
| | P1 Biodiversity | P2 From Farm | Sus | P3 tainable | P4 Clean energy | P5 Sustainable | P6 Building and | P7 Sustainable | P8 Eliminating | P9 Climate | e |
| Goal 1 - No Poverty | Blouiversity | to Fork | agr | iculture | Clean energy | industry | renovating | mobility | pollution | action | |
| Goal 2 - Zero Hunger | | | | | | | | | | | |
| Goal 3 - Good Health & Well Being | | | | | | | | | | | |
| Goal 4 - Quality Education | | | | | | | | | | | |
| Goal 5 - Gender Equality | | | | I | Dark Gree | en: | | | | | |
| Goal 6 - Clean Water & Sanitation | | | / | Expl | icit refere | nce in | | | | | |
| Goal 7 - Affordable & Clean Energy | | | | | D Text to S | | | | | | |
| Goal 8 - Decent Work & Economic Growth | | | | | targets | | | | | | |
| Goal 9 - Industry, Innovation & Infrastructure | | | | | targets | | | 11 | ght Greer | | |
| Goal 10 - Reduced Inequalities | | / | | | | | | | | | |
| Goal 11 - Sustainable Cities & Communities | | | | | | | | • | it referen | | |
| Goal 12 - Responsible Consumption & Production | | | | | | | | EGD | text to SI | OGs | |
| Goal 13 - Climate Action | | | | | | | | | Targets | | |
| Goal 14 - Life Below Water | | | | | | | | | | | |
| Goal 15 - Life On Land | | | | | | | | | | | |
| Goal 16 - Peace Justice & Strong Institutions | | | | | | | | | | | |
| Goal 17 - Partnerships for the Goals | | | | | | | | | | | |

Figure: Policy categories addressed in the 2020 Country Specific Recommendations



Source: EGOV based on CSRs as proposed by the Commission for 2020-2021. See below a definition of the categories.

Sweden

OVERVIEW

INDICATORS

Overall

Click on an assessment to view more information

+ SPILLOVER SCORE

84.7

67.5

Current Assessment

Click on a goal to view more information.







12 RESPONSIBLE CONSUMPTION



13 CLIMATE ACTION



14 LUFE BELOW WATER

















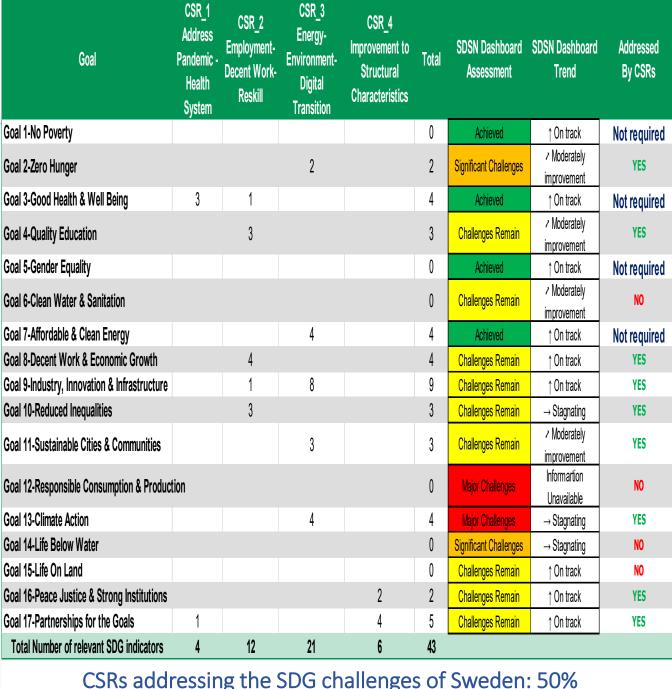
Legend: ♠ On track or maintaining SDG achievement 7 Moderately improving → Stagnating ♦ Decreasing •• Trend information unavailable

Trends

(≡)

Click on a trend to view more information.





CSRs addressing the SDG challenges of Sweden: 50%

Germany

OVERVIEW INDICATORS

Overall

Click on an assessment to view more information.

| + OVERALL SCORE | |
|-----------------|--|
|-----------------|--|

80.8

+ OVERALL RANK

+ SPILLOWER SCORE

57.0

Current Assessment

Click on a goal to view more information.































Trends



Legend: 🛧 On track or maintaining SDG achievement 🗦 Moderately improving 🗳 Stagnating ს Decreasing 💀 Trend information unavailable

| Goal | C SR_1 Address Pandemic - Health System | C SR_2 Employment- Decent Work- Reskill | CSR_3 Energy- Environment- Digital Transition | C SR_4 Improvement to Structural Characteristics | Total | SDSN Dashboard Assessment | SDSN Dashboard Trend | Addressed By CSRs |
|--|---|--|---|---|-------|------------------------------|-----------------------------|----------------------|
| Goal 1-No Poverty | | | | | 0 | Challenges Remain | / Moderately improvemnet | NO |
| Goal 2-Zero Hunger | | | | | 0 | Significant Challenges | ⊅ Moderately improvemnet | NO |
| Goal 3-Good Health & Well Being | 5 | | | | 5 | Challenges Remain | ✓ Moderately improvemnet | YES |
| Goal 4-Quality Education | | 9 | | | 9 | Significant Challenges | | YES |
| Goal 5-Gender Equality | | | | | 0 | Significant Challenges | → Stagnating | NO |
| Goal 6-Clean Water & Sanitation | | | | | 0 | Significant Challenges | / Moderately improvemnet | NO |
| Goal 7-Affordable & Clean Energy | | 4 | | | 4 | Challenges Remain | ↑ On track | YES |
| Goal 8-Decent Work & Economic Growth | 1 | | | | 1 | Challenges Remain | ↑ On track | YES |
| Goal 9-Industry, Innovation & Infrastructure | | 10 | | | 10 | Significant Challenges | ↑ On track | YES |
| Goal 10-Reduced Inequalities | | | | | 0 | Challenges Remain | → Stagnating | NO |
| Goal 11-Sustainable Cities & Communities | | 4 | | | 4 | Challenges Remain | / Moderately improvemnet | YES |
| Goal 12-Responsible Consumption & Production | on | 7 | | | 7 | Major Challenges | Informartion Unavailable | YES |
| Goal 13-Climate Action | | 4 | | | 4 | Major Challenges | → Stagnating | YES |
| Goal 14Life Below Water | | 2 | | | 2 | Major Challenges | ⊅ Moderately improvemnet | YES |
| Goal 15-Life On Land | | | | | 0 | Challenges Remain | ↑ On track | NO |
| Goal 16-Peace Justice & Strong Institutions | 1 | | | | 1 | Challenges Remain | ↑ On track | YES |
| Goal 17-Partnerships for the Goals | 1 | 4 | | | 5 | Challenges Remain | ↑ On track | YES |
| Total Number of relevant SDG indicators | 8 | 44 | 0 | 0 | 52 | | | |

CSRs addressing the SDG challenges of Germany: 63%



Greece

OVERVIEW INDICATORS

Overall

Click on an assessment to view more information.

| + OVERALL SCORE | + OVERALL RANK | + SPILLOVER Score |
|-----------------|-------------------|----------------------|
| 74.3 | 43 | 69.3 |

Current Assessment

Click on a goal to view more information.





















































Legend: SDG achieved Challenges remain Significant challenges remain Major challenges remain Information unavailable

Legend: ↑ On track or maintaining SDG achievement 🥻 Moderately improving → Stagnating 🔸 Decreasing 💀 Trend information unavailable

Trends

Click on a trend to view more information.

| 1 NO POVERTY | 2 ZERO HUNGER | 3 GOOD HEALTH AND WELL-BEING | 4 QUALITY EDUCATION | 5 GENDER EQUALITY | 6 CLEAN WATER AND SANITATION | 7 AFFORDABLE AND CLEAN ENERGY | 8 DECENT WORK AND ECONOMIC GROWTH | 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE |
|-------------------------|---------------------------------------|---|---------------------|---------------------|------------------------------|---|-----------------------------------|---|
| 1 | → | 7 | 7 | 7 | 1 | ↑ | 1 | 7 |
| 10 REDUCED INEQUALITIES | 11 SUSTAINABLE CITIES AND COMMUNITIES | 12 RESPONSIBLE CONSUMPTION AND PRODUCTION | 13 CLIMATE ACTION | 14 LIFE BELOW WATER | 15 LIFE ON LAND | 16 PEACE, JUSTICE AND STRONG INSTITUTIONS | 17 PARTNERSHIPS FOR THE GOALS | |
| 7 | 7 | • • | → | → | 7 | 7 | → | |

| Goal | CSR_1 Address Pandemic - Health System | CSR_2 Employment- Decent Work- Reskill | CSR_3 Energy- Environment- Digital Transition | CSR_4 Improvement to Structural Characteristics | Total | SDSN Dashboard Assessment | SDSN Dashboard Trend | Addressed By CSRs |
|--|--|---|---|--|-------|------------------------------|--|----------------------|
| Goal 1-No Poverty | | 3 | | | 3 | Challenges Remain | ↑ On track | YES |
| Goal 2-Zero Hunger | | | 2 | | 2 | Significant Challenges | ightarrow Stagnating | YES |
| Goal 3-Good Health & Well Being | 3 | 1 | | 1 | 5 | Significant Challenges | Moderately improvement | YES |
| Goal 4-Quality Education | | | | | 0 | Major Challenges | ✓ Moderately improvement | NO |
| Goal 5-Gender Equality | | | | | 0 | Significant Challenges | ✓ Moderately improvement | NO |
| Goal 6-Clean Water & Sanitation | | | 5 | | 5 | Challenges Remain | ↑ On track | YES |
| Goal 7-Affordable & Clean Energy | | | 4 | | 4 | Significant Challenges | ↑ On track | YES |
| Goal 8-Decent Work & Economic Growth | | 1 | | | 1 | Significant Challenges | ↑ On track | YES |
| Goal 9-Industry, Innovation & Infrastructure |) | 1 | 4 | | 5 | Significant Challenges | Moderately improvement | YES |
| Goal 10-Reduced Inequalities | | 3 | | | 3 | Significant Challenges | Moderately improvement | YES |
| Goal 11-Sustainable Cities & Communities | | 1 | 3 | | 4 | Significant Challenges | ✓ Moderately improvement | YES |
| Goal 12-Responsible Consumption & Produ | ction | | 7 | | 7 | Major Challenges | Informartion Unavailable | YES |
| Goal 13-Climate Action | | | 4 | | 4 | Major Challenges | ightarrow Stagnating | YES |
| Goal 14-Life Below Water | | | 2 | | 2 | Significant Challenges | ightarrow Stagnating | YES |
| Goal 15-Life On Land | | | | | 0 | Significant Challenges | ✓ Moderately improvement | NO |
| Goal 16-Peace Justice & Strong Institutions | | | | 1 | 1 | Significant Challenges | ✓ Moderately improvement | YES |
| Goal 17-Partnerships for the Goals | 1 | | | 5 | 6 | Significant Challenges | ightarrow Stagnating | YES |
| Total Number of relevant SDG indicators | 4 | 10 | 31 | 7 | 52 | | | |
| CSRs an | ldrace | sing the | s SDG c | hallenge | 2C () | f Greece: | 20% | |

CSR 3

CSR 1

CSRs addressing the SDG challenges of Greece: 80%

| SDGS Achieved | | | 45 |
|----------------------------|------------------|----------------------|-------|
| SDG's Assessment | Addressed by CSR | NOT addressed by CSR | Total |
| Challenges Remain | 120 | 46 | 166 |
| Significant Challenges | 115 | 44 | 159 |
| Major Challenges | 64 | 20 | 84 |
| Grey (not available info) | 1 | 4 | 5 |
| Total SGDs to be addressed | 300 | 114 | 414 |
| | | | |
| Grand Total | 17 SDGs for 2 | 7 EU countries | 459 |
| | | | |
| Efficiency Ratio | 72% | 28% | |

- ✓ Country Specific Recommendations (CSRs) by ESP efficiently address the challenges identified by SDR.
- ✓ There is still space for further alignment between CSRs and SDGs.

Results 2

| | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 |
|--|--------------|----------------------|----------------------------|--------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------|
| Prioritization of EGD Policies for each Country. A - High Priority B - Next Priority Blank - Not relevant | Biodiversity | From Farm to Fork | Sustainable agriculture | Clean energy | Sustainable industry | Building and renovating | Sustainable mobility | Eliminating pollution | Climate a ction |
| Austria | В | В | В | А | А | А | | А | А |
| Belgium | Α | Α | В | В | Α | В | | А | Α |
| Bulgaria | В | А | В | В | В | А | В | | В |
| Croatia | | Α | | В | В | A | В | В | В |
| Cyprus | В | В | | Α | А | А | В | А | Α |
| Czech Republic | В | В | В | Α | Α | A | | Α | Α |
| Denmark | Α | А | | | А | В | В | А | Α |
| Estonia | | Α | В | В | Α | В | | Α | Α |
| Finland | В | В | | В | Α | В | | Α | Α |
| France | В | В | | В | Α | В | | Α | Α |
| Germany | | В | | | Α | | | Α | Α |
| Greece | В | В | В | В | В | В | В | Α | Α |
| Hungary | | А | В | Α | Α | В | | Α | Α |
| Ireland | В | В | | Α | Α | Α | | Α | Α |
| Italy | Α | А | В | Α | Α | В | В | Α | Α |
| Latvia | Α | Α | В | Α | Α | Α | В | Α | Α |
| Lithuania | В | А | В | Α | А | Α | В | А | Α |
| Luxembourg | В | | В | Α | Α | Α | В | Α | Α |
| Malta | Α | А | В | Α | А | Α | | А | Α |
| Netherlands | Α | А | В | Α | Α | А | | Α | Α |
| Poland | А | А | | А | А | А | | А | А |
| Portugal | Α | А | | В | В | В | | А | Α |
| Romania | А | А | В | В | В | А | В | В | А |
| Slovak Republic | | А | | А | А | В | | А | Α |
| Slovenia | А | А | | В | А | В | | А | Α |
| Spain | | Α | | | | | | В | В |
| Sweden | | В | | | А | | | А | А |

High Priority for # of Countries: 10 17 0 13 21 13 0 23 2 Next Prority for # of Countries: 10 9 14 10 5 11 10 3

Priority EGD Policies for most EU Countries are:

Policies associated with 'Major-SDGs-Challenge' are prioritized, followed by policies in domains associated with 'Significant-SDGs Challenges'

- ✓ P2 for environmentallyfriendly food system ("From farm to fork")
- ✓ P5 for sustainable industry
- ✓ P8 for elimination of pollution
- ✓ P9 for climate action



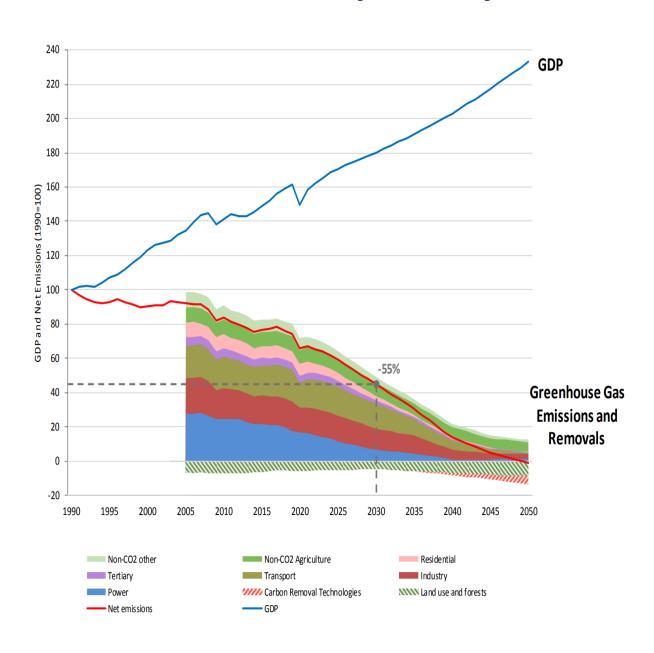


Technological and Investment Pathways

Technological pathways: Roadmap to 2050, A Manual for Nations to Decarbonize by 2050

EU climate neutrality by 2050: from vision to pathways

- In 2021 EU will unleash new climate and energy legislation to align its tools with the 55% target
- Emission Trading System (ETS) and its Market Stability Reserve (MSR)
- Effort sharing regulation (ESR) for non-ETS emissions
- Energy taxation directive will be reformed
- Carbon Boarder Tax



Roadmap to 2050: A Manual for Nations to Decarbonize by Mid-Century

EU climate neutrality by 2050 implies a deep transformation of **power**, **industry**, **transport** and **buildings** sectors in view of completely abating their greenhouse gas emissions – need for **technology pathways regulated by sound policy framework**



In Systems Approach many complementarities for managing the complexity of energy system:

- Variable renewable energy (VRE) sources
- Zero-carbon technologies
- Public and private investments
- Natural and engineered systems
- Mitigation and adaptation
- Centralised and decentralised solutions.
- Actions and strategies.
- R&D activities promoted by research institutions and academia and funded by private or public sector

Roadmap 2050: Six Pillars for Decarbonization





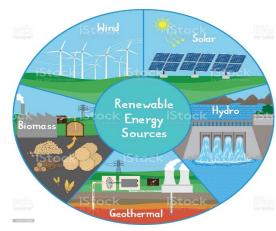
EU countries: detailed plans exploring all options for decarbonization, and their associated costs – **NECPs & NDCs**

- Broad policy frameworks with clear goals
- Technology roadmaps
- Regulatory assignments to stakeholders
- Strong systems of deliberation, public awareness, reporting on outcomes
- Holistic approach

Energy efficiency and energy saves: focus on demand side

• Limiting worldwide energy demand while without compromising economic development and energy access

The Road to Climate Neutrality





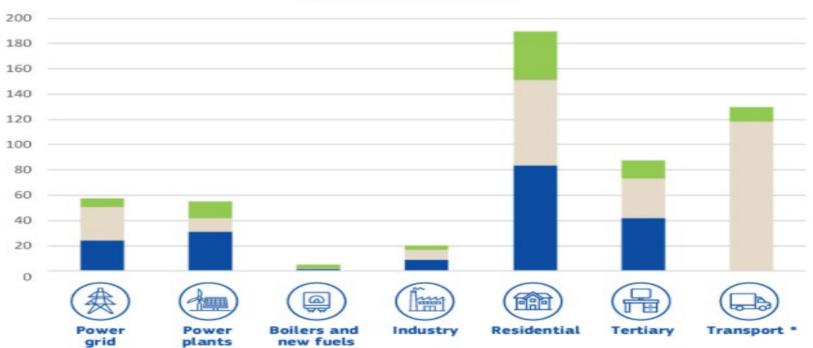


DECARBONIZATION: National Energy and Climate Plans

For increased GHG emissions reduction target of 55% an increase in investment of €350 billion per year is needed compared to the previous decade

Average annual investments 2011-2020 and additional investments 2021-30

under existing policies and to achieve -55% greenhouse gas emission reductions (in billion EUR 2015)



- Additional to achieve -55% greenhouse gas reductions, 2021-2030
- Additional under current 2030 policies in 2021-2030 compared to 2011-2020
- Historic annual investments in the energy system 2011-2020





The Role Sustainable-Patient Finance for European COVID recovery:

Fiscal Policy, Financial Sector, Businesses





- Since 1980s: governments to intervening only for the purpose of fixing market failures.
- NOW: Governments to make significant longterm investments to support rapid recovery from the coronavirus shock.
- Business does not invest unless it sees an opportunity for growth, so turning mitigation into opportunities for investment and innovation is key.
- Sustainable innovation requires patient, longterm, strategic finance.
- There is a significant entrepreneurial role for the state to provide this patience.

 MACRO LEVEL: Re-conceptualising financial stability, and the 'mission' of central banks, to include climate and environmental degradation risk

The European Investment Bank (EIB) and the European Investment Fund have the expertise and scale to set direction in deploying equity-type financial instruments complementary to loans and guarantees. Important for companies that are increasingly indebted in the crisis.

- MESO LEVEL: National public investment organizations provide positive sources of longterm patient finance, which support sustainable investing.
- MICRO LEVEL: Companies that switch towards sustainable/green practices soonest, will be the most competitive, most innovative and more successful over time



- Classification system for sustainable economic activities, which creates a common language for investors and lenders.
- Scale up private and public investments to finance the transition to a climate-neutral and green economy
- Challenge: connect green taxonomy with financial instruments (green/transition bonds, green loans, etc.) and business reporting.

Sustainable Finance

The need for a Hybrid Metrics - New Frontier for Sustainable Valuation

Connecting Shared Value to Shareholder Value

AS IS FINANCE VS ESG "Corporate leaders, investors, and analysts today must deal with **two separate and disconnected reporting systems**: one for **financial results**, the other for **ESG performance**"

"The result is **two separate narratives**, one telling **how profitable a company is**, the other highlighting **whether it is good for people and the planet**"

Where ESG Ratings Fail: The Case for New Metrics



TO BE HYBRID METRICS

"This suggests the possibility of a single hybrid measurement system that combines social and environmental impact with standard measures of financial performance"





Effects of Sustainability Transition on Jobs and Skills and Equity Considerations

Effects of Sustainability Transition on Jobs and Skills Insights from the International Energy Agency

- Investments in line with the European Green Deal can lead to approx. one million new jobs in energy and energy-related sectors in Europe by 2030
- Short-term jobs concentrated in existing programs that can mobilize money quickly (energy efficiency retrofits and sustainable mobility)
- Longer-term (2025-2030) higher investment will be possible in power sector projects (engineering and construction) and manufacturing of new efficient and low-carbon vehicles and industrial processes
- Most new jobs created in Europe would be in highly skilled positions, requiring substantial training
- 1/3 of new jobs will require moderate retraining transitioning workers within the same industry or within the same occupation
- Very few opportunities in Europe will be for low-skilled jobs

Clean energy jobs per million of investment

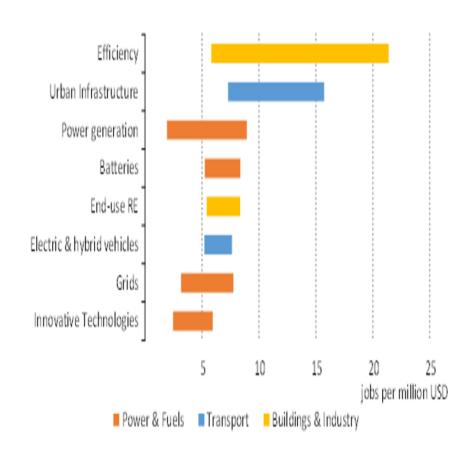


Figure 12. Number of additional European jobs needed to support an additional per one million USD of incremental investment annually. Source: IEA analysis

Distributional effects of key EU climate policies until 2050: Identifying measures to Mitigate Regressive Effects

Considering their simplicity, effectiveness, and deployability into EU, four key mitigating policy options were selected



Redistributing revenues through lump-sum transfers on per-head basis or lowering VAT / taxes on electricity to the general public





Implementation of targeted energy efficiency measures with no upfront costs, specifically targeting low-income households



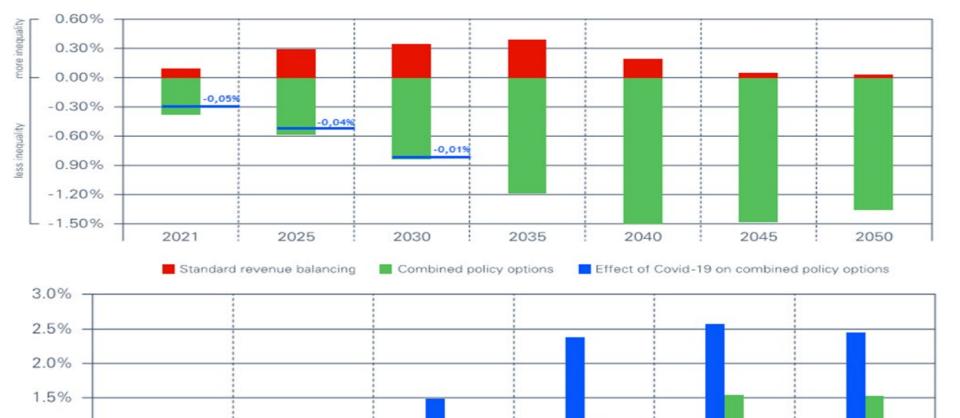
Jong-term
job retraining
programmes to
avoid
unemployment in
affected industries



Funding of subsidies for new low-carbon technologies via general taxation or using carbon revenues to avoid uneven bearing of the costs

Detailed macroeconomic modelling based on the standard E3ME model baseline with an assessment of the existing policy best practices to explore the patterns of inequality in Europe (EU27 and the UK).

Combined mitigation policy options can ensure more equality, increase GDP and employment...



2035

1.0%

0.5%

0.0%

2025

2030

Mitigating the negative social impacts of climate policies is essential to ensure a broad support for the energy transition.

Regressive effects can be fully offset with targeted policies.

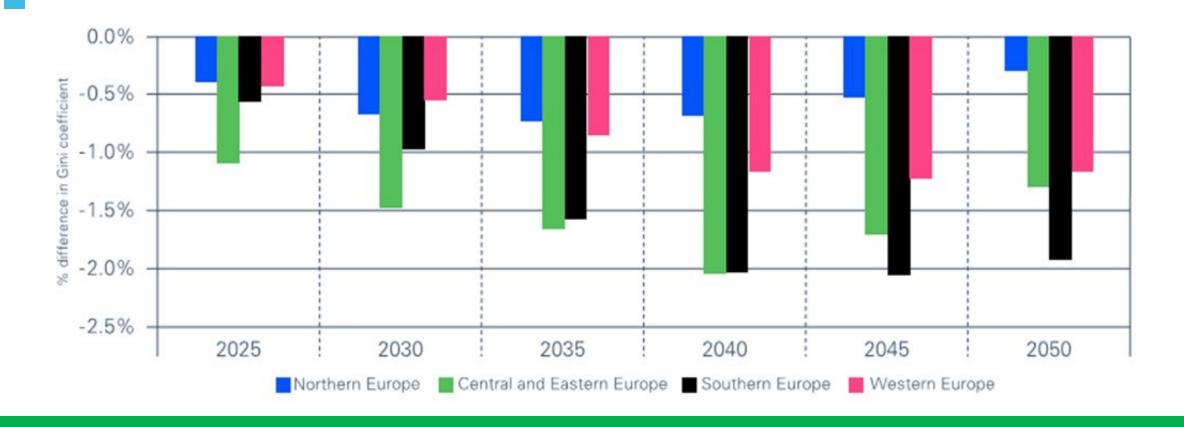
2050

2045

GDP Total Employment

2040

... and have a progressive effect in all EU regions



The energy transition must be inclusive and should be just for all citizens of Europe EGD and Recovery and Resiliency Plan should be oriented to reduce income inequalities





Section 7

From strategic priorities to sector-specific policies: Co-Designing and Implementing Country-Specific Recovery and Resilience Plans

SDG-Linked Sustainability Criteria for Assessment of Recovery Measures Increasing Social Ownership of the Green Transition with Genuine stakeholder participation

| | Short name | Explanation | Related SDGs |
|----------------------------|-------------------------------|---|--------------|
| | Energy | Energy savings (ktoe) per million Euros invested | 7 |
| tal | CO2 | CO ₂ emission savings (tn) per million Euros invested | 13 |
| Environmenta impact | Low-carbon strategies | Does the intervention provide technical means to better integrate low-carbon technologies / strategies with benefits beyond 2030? Does it contribute to deep decarbonization by 2050? | 13,15 |
| ÷ × | Nature | Will the intervention improve agriculture, land productivity, biodiversity, ecosystem services? | 11,14,15 |
| | Other Environmental Impact | Other long-term environmental impact (on air quality, water resources etc) | 3,6,11,15 |
| | Economic multiplier | Economic output generation (million €) per million Euros invested | 8 |
| | Jobs | Net employment generation (persons) per million Euros invested | 8 |
| せ | Jobs for vulnerable | Are employment opportunities inclusive, gender-balanced, available to vulnerable populations? | 5,8,10 |
| npe | Skills | Are new skills required in new jobs? If yes, are they available in the population? | 4,8 |
| <u>=</u> | Energy security | Does the intervention increase local/national energy security? | 7 |
| social impact | Infrastructure & Productivity | Will the intervention improve local economic productivity through access to better, more reliable infrastructure services? | 9,12 |
| ~ | R&D and innovation | Can the intervention spur R&D or innovation in the specific technologies? | Q |
| Ξ | Market Failures | Will it address market failures (e.g. distorting subsidies, accounting for externalities)? | 8 |
| Economic | Economic Resilience | Does the intervention improve ability of the population to cope with and recover from shocks? | 1,8,10,11 |
| Eco | Climate Resilience | Does the intervention improve the population's adaptive capacity? Will it boost resilience to natural disasters, e.g. through hardened infrastructure or use of nature-based solutions? | 11,13,15 |
| | Effect on NDC | Does the measure contribute to decarbonization by 2030? Does it affect country's NDC? | 12,13 |





'Return-to-normal' economic stimulus is environmentally unsustainable and economically inferior to a green stimulus!

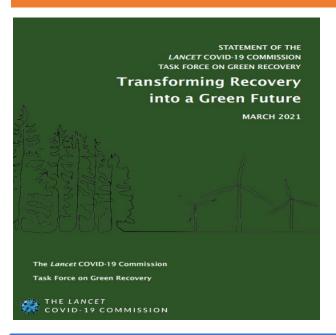
A once-in-a-generation opportunity to direct economic growth based on EGD and SDGs, which are two sides of the same coin.

We should focus on Transformations based on SDGs and EGD for the transition to a Green and Digital, Job-Based and Inclusive Recovery from the COVID-19 Pandemic

Thank you!

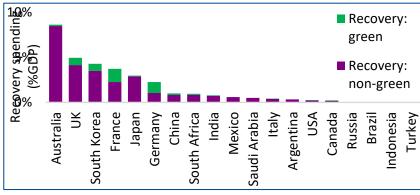
<u>https://www.unsdsn.org/eu</u>
www.phoebekoundouri.org

The Lancet COVID 19 Commission: Green Deals around the World, but...









- Recovery packages across the world should finance the transformations needed for a green, digital and fair future.
- 2. Recent commitments to achieve net zero greenhouse gas (GHG) emissions by around midcentury in Europe, China, etc. can provide the needed momentum for deep transformations.
- 3. Environmental, social and governance (ESG)- based and sustainability investing strategies now account for over one-third of global Assets Under Management (AUM). The recovery should build on this momentum.
- Yet, so far, financial resources devoted to and commitments made for post COVID-19
 recovery are largely insufficient for a green recovery, including in most G20 countries.
- 5. Low-income countries (LICs) and some emerging markets (EMs) urgently need support to address the immediate consequences of the pandemic and build back more sustainable, inclusive and resilient.
- 6. Set the foundation for long-term international cooperation on the environment, biodiversity COP Kunming, climate COP Glasgow, World Food Summit Copenhagen