



How to strengthen the EU's leadership on the SDGs

Civil society and expert contributions
for the UN HLPF and beyond

4 APRIL 2023 | 9:30-17:30 | WORKSHOP



Academic Contributions: Systemic Solutions for wicked challenges

Moderated by: **Prof. Phoebe Koundouri**, Co-Chair [SDSN Europe](#) Chair [SDSN Global Climate Hub](#)

- **Kirsten Dunlop** CEO [EIT Climate-KIC](#)
- **Margaretha Breil** Senior Researcher [Euro-Mediterranean Center on Climate Change](#)
- **Hannah Arpke** European Projects Coordinator [Fundacio Eurecat](#)
- **Lydia Vamvakeridou-Lyroudia** Programme Director [KWR](#)

- Widespread global failures in the COVID-19 response reversed progress towards UN SDGs
- 2021 & 2022: Global plan to finance the SDGs is needed
- SDGs Funding Gap: 11-14 trillion US dollars



2015



2019



2020



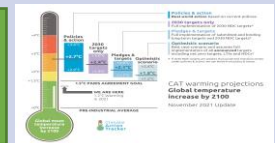
2021



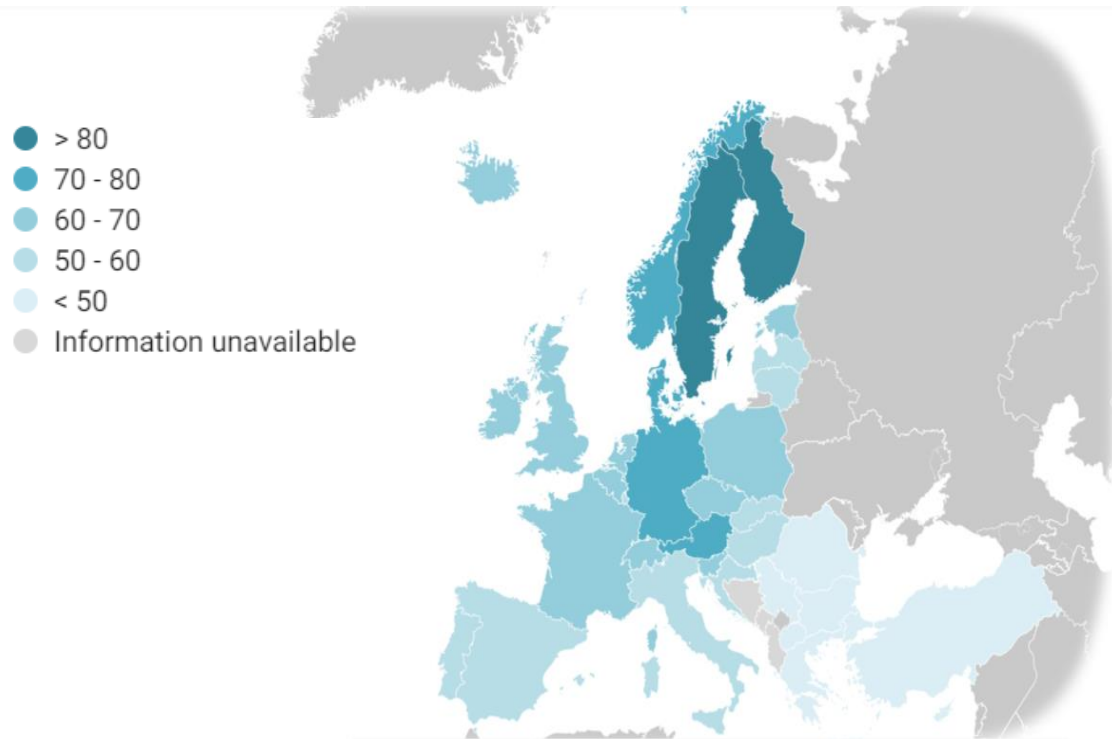
2022



National pledges for climate neutrality around the world



Sustainable Development Report 2022 - Europe



Lafortune G. Fuller G. Bermont Diaz L. Klope-Lesch, A.
Koundouri P. Riccaboni A. (2022)

Achieving the SDGs: Europe's Compass in a Multipolar World.
Europe Sustainable Development Report 2022.
SDSN and SDSN Europe. France: Paris.

European Union



OVERVIEW INDICATORS

SDG Index Rank

NA_{/34}

SDG Index Score

71.4

Spillover Score

65.3

LNOB Score

74.2

SDG Dashboards and Trends

Click on a goal to view more information.



Dashboards: ● SDG achieved ● Challenges remain ● Significant challenges remain ● Major challenges remain ● Information unavailable

Trends: ↑ On track or maintaining SDG achievement ↗ Moderately improving → Stagnating ↓ Decreasing ** Trend information unavailable

Commission Work Programme 2023

- “[...] The Commission’s work will continue to be guided by the implementation of the United Nations Sustainable Development Goals in all policy areas. The Sustainable Development Goals have been integrated into the European Semester and mainstreamed in our better regulation tools. In 2023, the Commission will put forward **the EU’s first voluntary review of SDG implementation** in the framework of the UN’s High-Level Political Forum [...]”



Alliance of Excellence for
Research and Innovation on Aephoria

 www.ae4ria.org



Professor Phoebe Koundouri
Founder and Scientific Chair

RESEARCH INSTITUTIONS



ATHENA

Research & Innovation
Information Technologies

Sustainable Development Unit



ReSEES
Research laboratory on
Socio-Economic and
Environmental Sustainability



Stochastic Modeling
and Applications
Laboratory



ICRE8

International Centre for Research
on the Environment & the Economy



DTU Management
Department of Technology,
Management and Economics

ACCELERATORS



Climate-KIC Hub
GREECE

Funded by the
European Union



**BRIGAD
CONNECT**



Technology & Innovation



ACADEMIES, NETWORKS, ASSOCIATIONS



SUSTAINABLE DEVELOPMENT
SOLUTIONS NETWORK
A GLOBAL INITIATIVE FOR THE UNITED NATIONS



EAERE

European Association
of Environmental and
Resource Economists



~1988~



World Academy of
Art and Science



the interacademy partnership

SCIENCE
HEALTH
POLICY



People



Nature

This is
Destination Earth

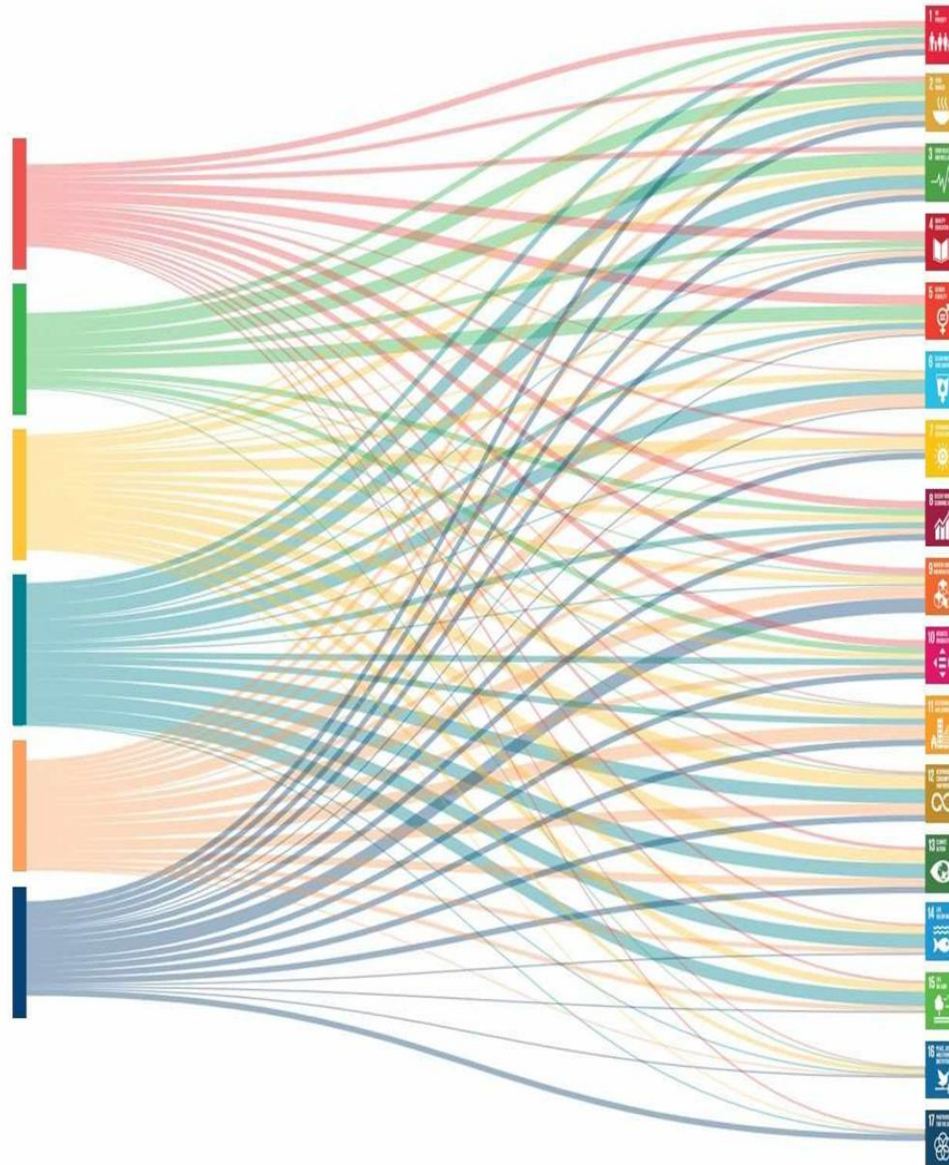


Society

POLICY INNOVATION

Transformation Pathways for SDGs Implementation

- 1 Education, Gender, and Inequality
- 2 Health, Wellbeing, and Demography
- 3 Energy Decarbonisation and Sustainable Industry
- 4 Sustainable Food, Land, Water, and Oceans
- 5 Sustainable Cities and Communities
- 6 Digital Revolution for Sustainable Development



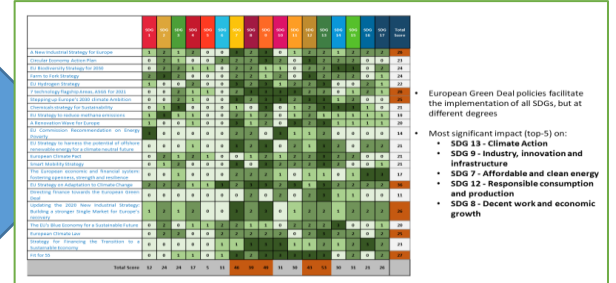
Financing the Joint Implementation of the SDGs and the European Green Deal

2nd report of the SDSN Senior Working Group on the European Green Deal

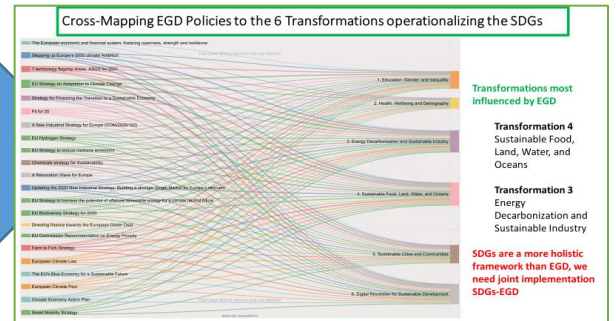


Machine Learning Textual Analysis

Does the EGD support the implementation of the

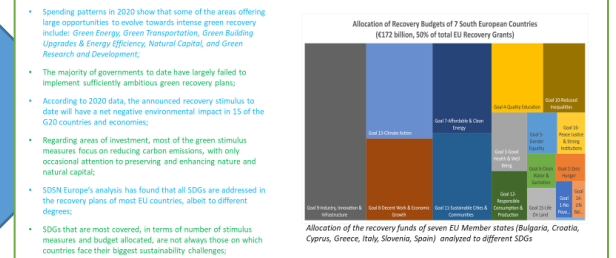


Which of the 6 Sustainable Development Transformations are supported by the EGD?

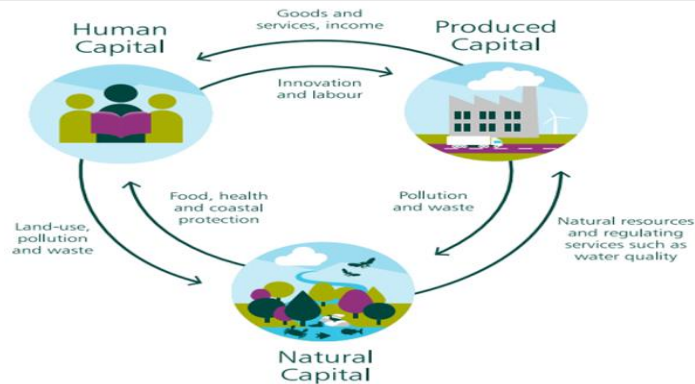


Are the European Recovery and Resilient Plans SDGs-compatible?

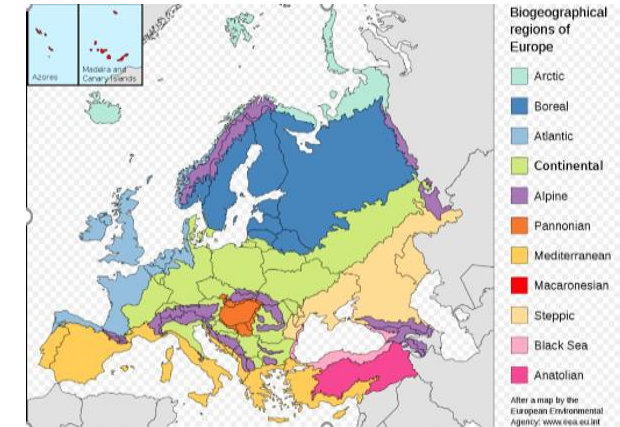
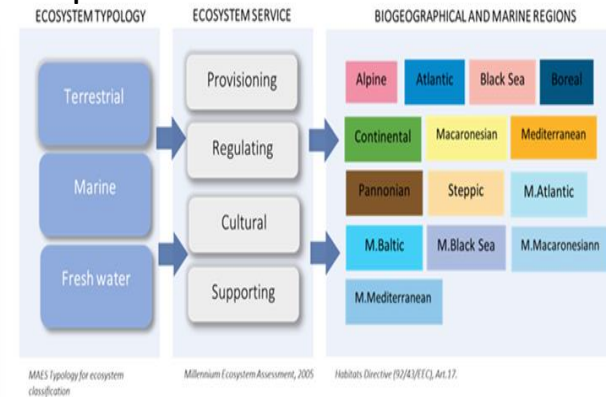
Recovery Plans: Do they support the SDGs and the Paris Agreement?



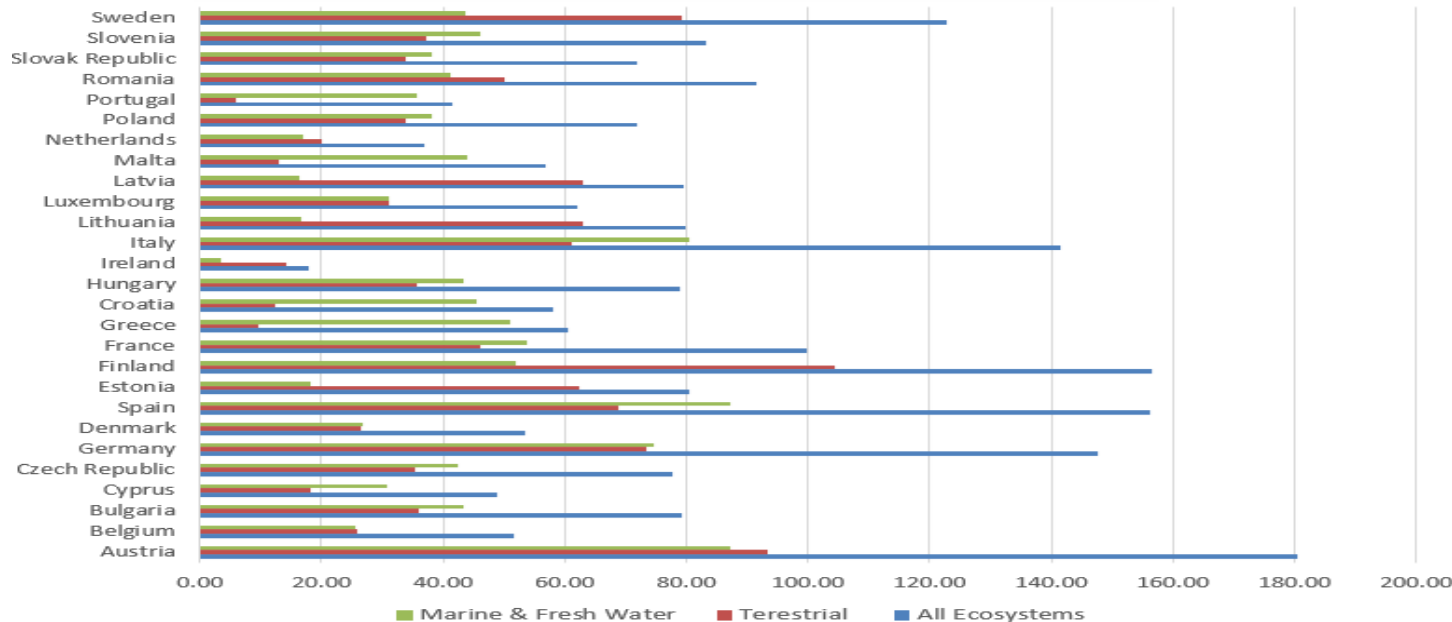
It is crucial to integrate natural capital in the long-term investment decisions



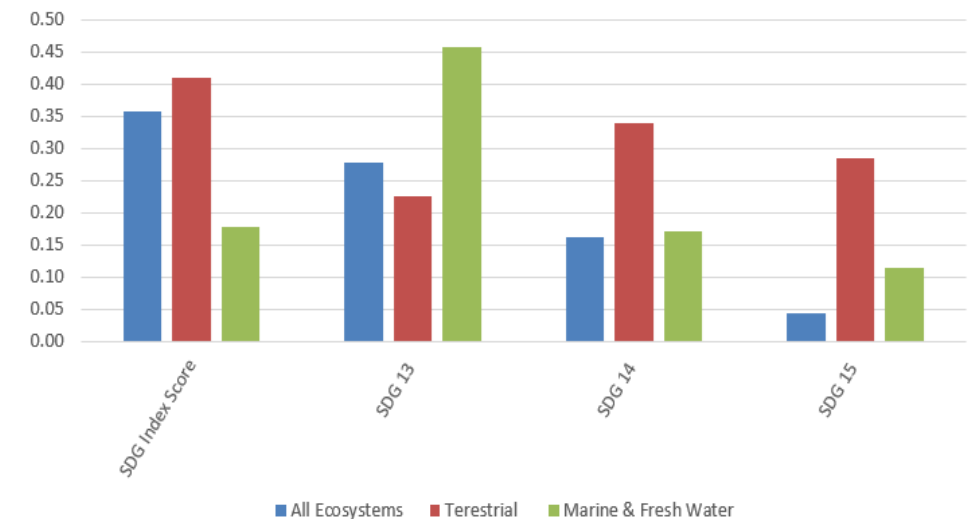
Data from literature databases (EVRI, ESVD) used for identification of full range of ecosystem services in each biogeographical region of Europe



Marginal WTP by Ecosystem and Country



Correlation of Country SDG Index Score and Ecosystem MWTP by SDG



Mapping ESG to SDG across whole VALUE CHAINS of Companies



- **ESG KPIs** are mapped to SDGs Indexes.
- **Experts Classification & Machine/Deep learning** Approaches to map ESG KPIs to the 232 Indicators of 17 SDGs.

