



Der Green Deal - Horizon Europe

**Europa auf dem Weg zur Klimaneutralität –
NEFI – Konferenz - 6./7. Mai**

*Jürgen Tiedje, Europäische Kommission,
GD Forschung und Innovation*

The European Green Deal



Green Deal – wo setzt man an?

- (Gesetzgebung – « Fitfour55 »)
- **Finanzielle Förderung auf EU Ebene**
 - Europäische Investitionsbank (« Klimabank »)
 - Horizon Europe
- **Bedeutung von Technologien**
- **Industriepolitik (Industrieallianzen) – 5. Mai**

Rolle der Europäischen Investitionsbank

- **Entscheidung von November 2019**

Keine Förderung mehr für Projekte mit fossilen Brennstoffen ab 2021

- **Nachhaltige Finanzierung – Anwendung einer Taxonomie**
- **Green Bonds**

Horizon Europe – Budget

€ 95 513
(NGEU € 5 412)

+ 14% > Horizon 2020

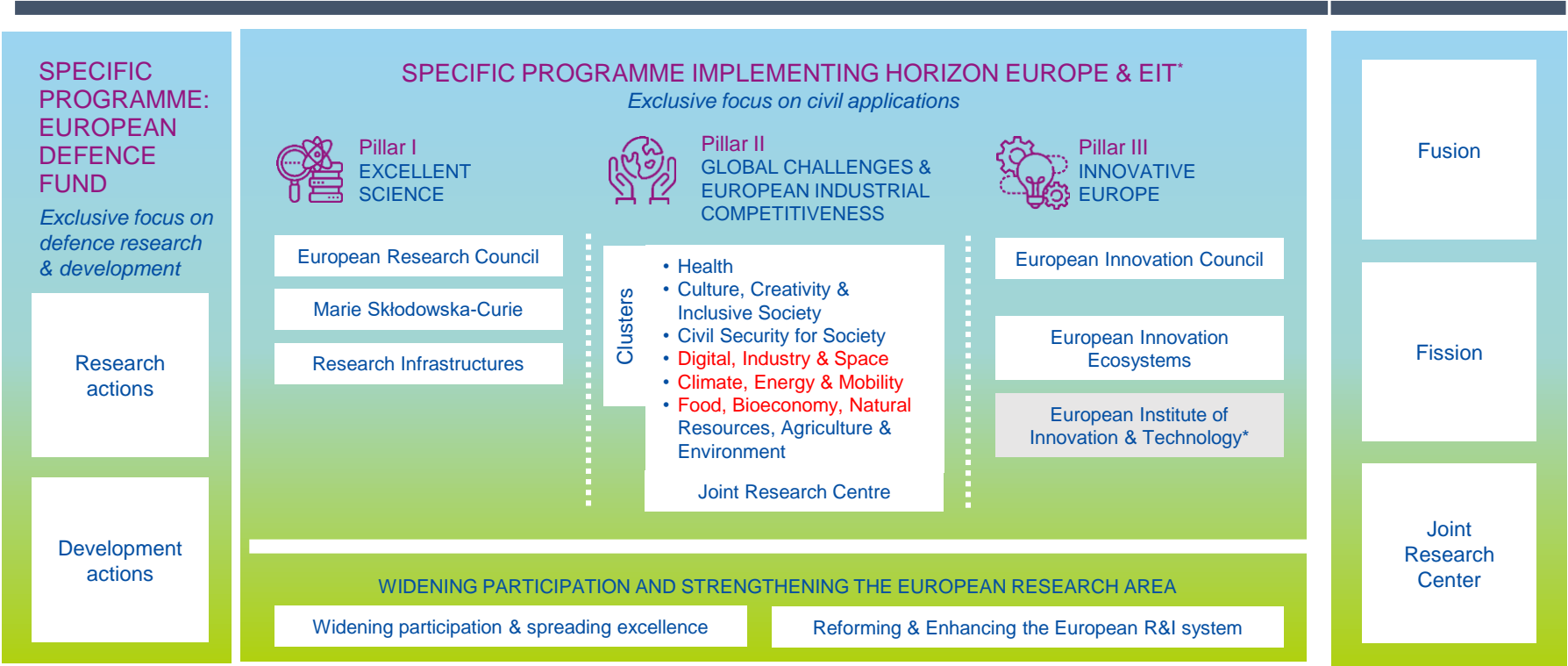
Warum? 35% Green Deal

Übersicht unter

[The EU's 2021-2027 long-term budget & NextGenerationEU - Publications Office of the EU \(europa.eu\)](#)

HORIZON EUROPE

EURATOM



* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

Missions (« Forschungsaufträge ») – 10% Budget

Based on the advice provided by the Mission Boards, the following missions are identified:

- **Cancer**



- **Adaptation to Climate Change**



- **Ocean Seas and Waters**



- **Climate Neutral and Smart Cities**



- **Soil Health and Food**



Reports delivered on 22 September 2020 and can be found at https://ec.europa.eu/info/horizon-europe/missions-horizon-europe_en.

Implementation plans by November

Europäische Partnerschaften (+/- 49) – 41% Budget

HEALTH

EU-Africa Global Health (EDCTP3)
Innovative Health Initiative
Partnership for Risk Assessment of Chemicals
Fostering an ERA for Health Research
Transformation of Health Care Systems
Personalised Medicine
Rare Diseases
One Health / Antimicrobial Resistance

DIGITAL, INDUSTRY AND SPACE

High Performance Computing
Key Digital Technologies
Smart Networks and Services
Photonics; AI, data and robotics
Clean Steel - Low Carbon Steelmaking
European Metrology; Made in Europe
Processes4Planet
Global competitive space systems

PILLAR III AND CROSS-PILLAR

EIT Climate KIC
EIT Health
EIT Manufacturing
EIT Food
EIT InnoEnergy
EIT Raw Materials
EIT Digital
EIT Urban Mobility
EIT Cultural and Creative Industries
Innovative SMEs
European Open Science Cloud (EOSC)

CLIMATE, ENERGY AND MOBILITY

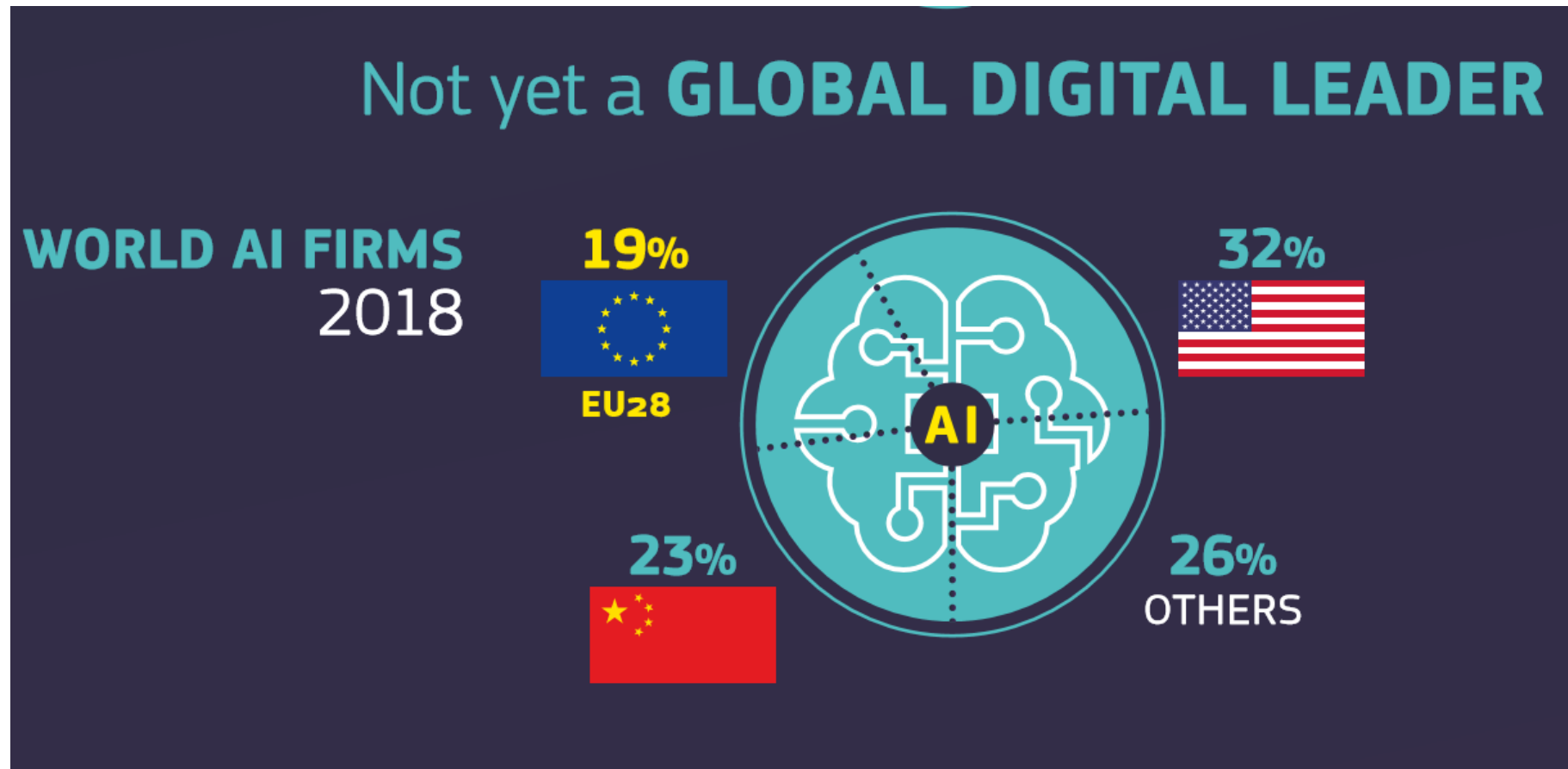
Europe's Rail
Integrated Air Traffic Management;
Clean Aviation
Clean Hydrogen
Batteries
Zero-emission Waterborne Transport
Towards zero-emission road transport
Connected and Automated Mobility
Built4People
Driving urban transitions to a sustainable future
Clean Energy Transition

FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

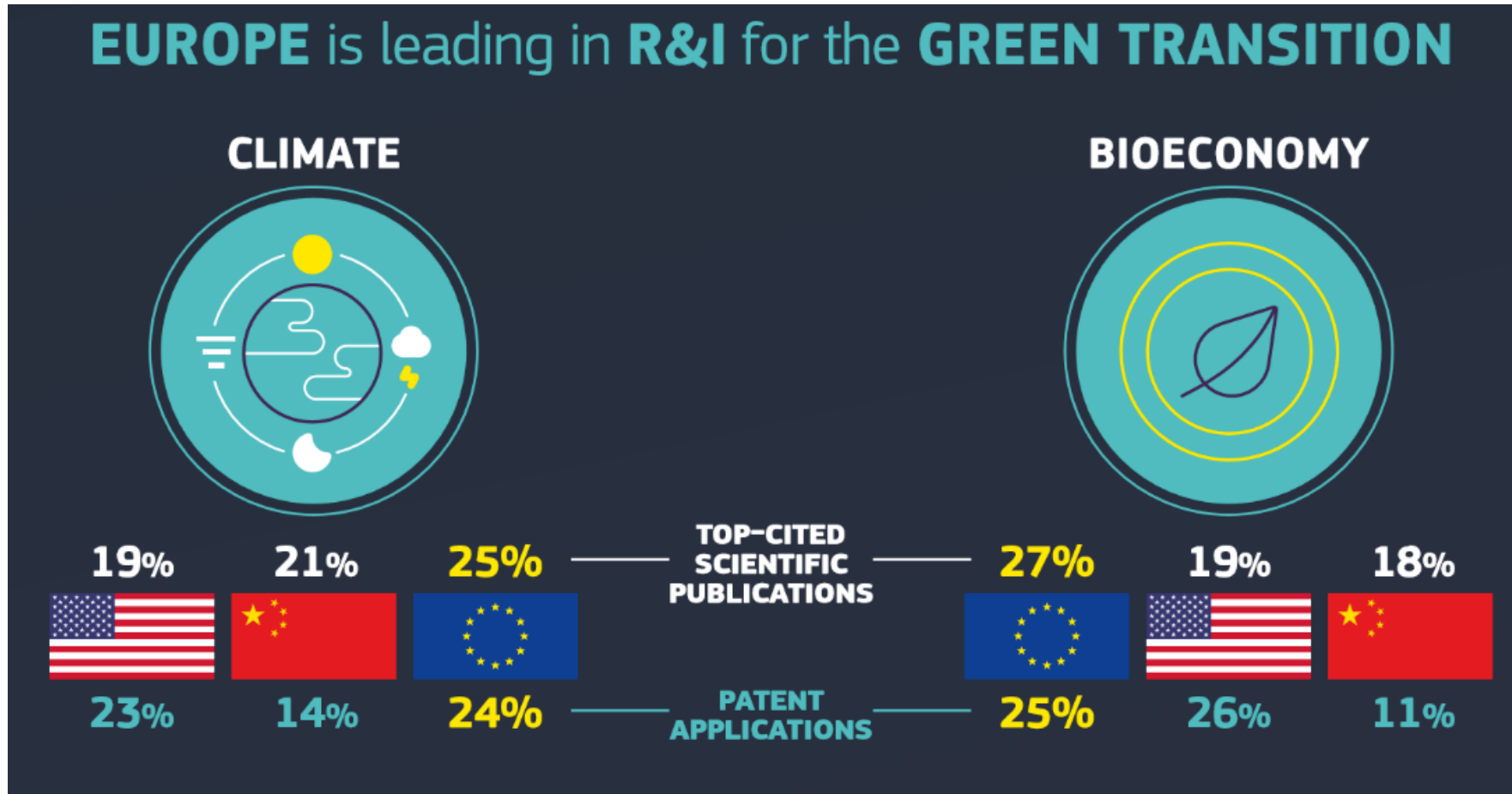
Accelerating farming systems transition
Animal Health and Welfare
Agriculture of Data
Rescuing biodiversity to Safeguard Life on Earth
A climate neutral, sustainable and productive Blue Economy
Safe and Sustainable Food System for People, Planet & Climate
Circular bio-based Europe
Water4All: Water security for the planet

Cluster allocation tbc
Pandemic preparedness and societal resilience

Wer führt bei den digitalen Technologien ?



Wer führt bei den grünen Technologien weltweit?

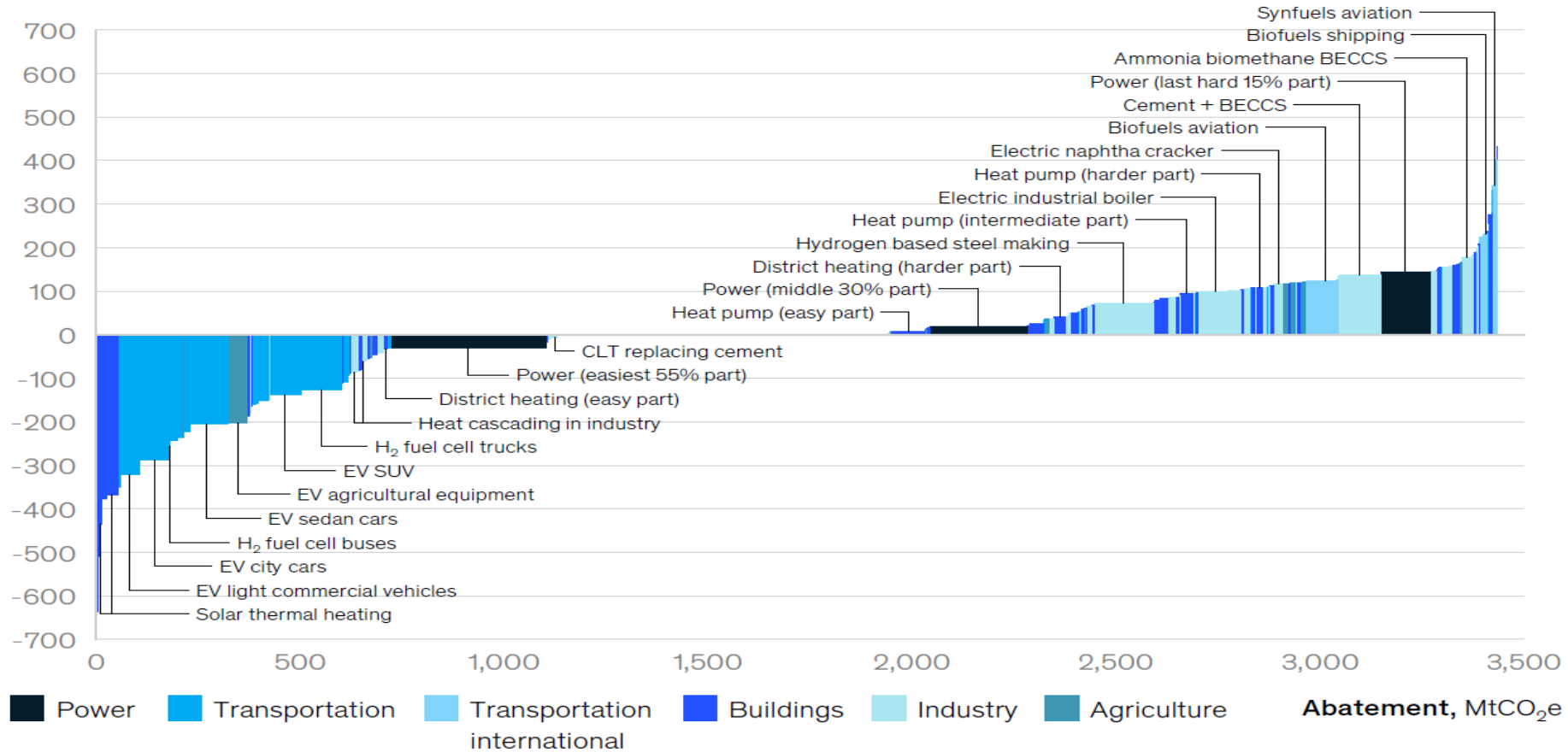


Source: Science, Research and Innovation Performance of the EU, 2020

Integrierte Analysen – McKinsey/UNFCCC

<https://www.mckinsey.com/business-functions/sustainability/our-insights/how-the-european-union-could-achieve-net-zero-emissions-at-net-zero-cost>

Abatement cost, EUR/tCO₂e



1. Weighted average

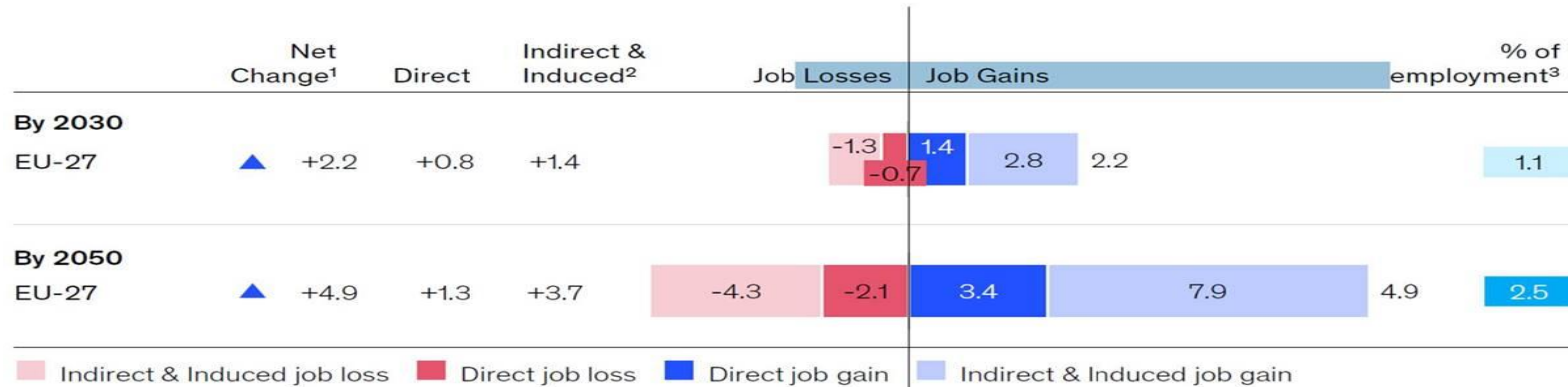
Source: McKinsey, UNFCCC

Integrierte Analysen – McKinsey/UNFCCC

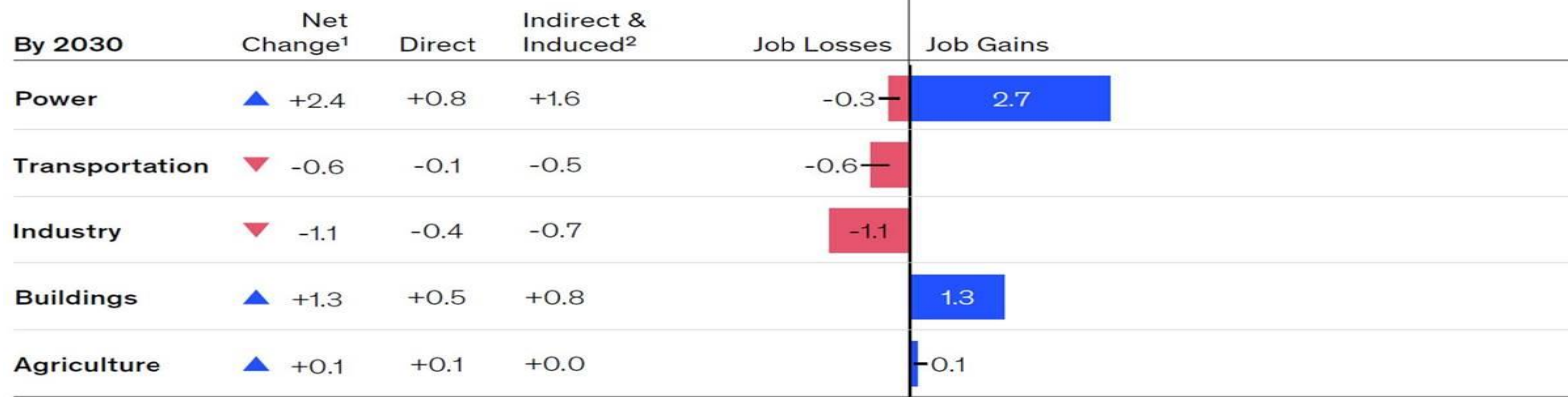
<https://www.mckinsey.com/business-functions/sustainability/our-insights/how-the-european-union-could-achieve-net-zero-emissions-at-net-zero-cost>

Net-zero emissions can create 2.2 million net jobs by 2030, and 4.9 million by 2050.

Millions of jobs, EU-27



Job gains and losses by sector



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https://ec.europa.eu/info/research-and-innovation/research-area/industrial-research-and-innovation_en



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