

**Views by Prof. Giovanni Ferri – LUMSA University of Rome, Italy**

**DEBATE  
SDG<sub>s</sub> AND EU TRADE POLICIES.  
SITUATION AND CHALLENGES**

**7<sup>TH</sup> FEBRUARY 2023**

**TIME: 13:30 - 14:30 (CET)**



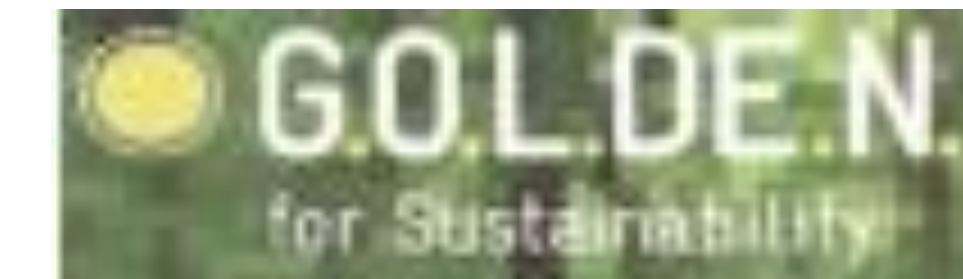
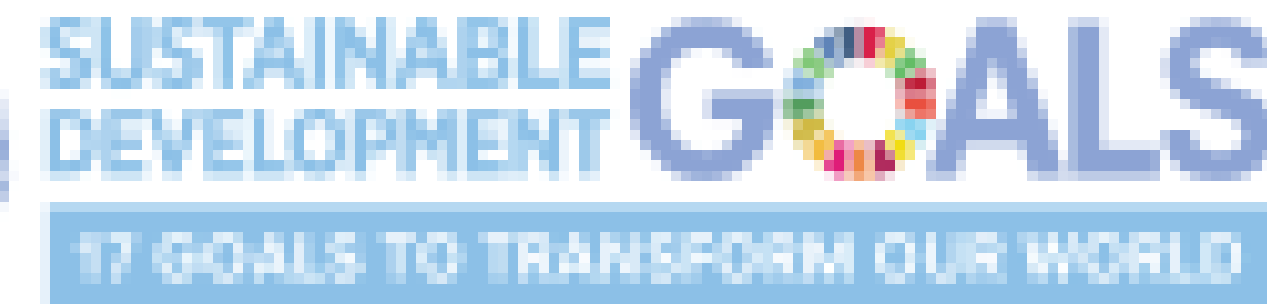
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101000551.



## **Two issues**

- 1. How to operationalize the SDGs: the Master in Management of SDGs**
- 2. How the Green Transition is providing competitive advantages to the EU**





## WHY A MSC IN SDGs?

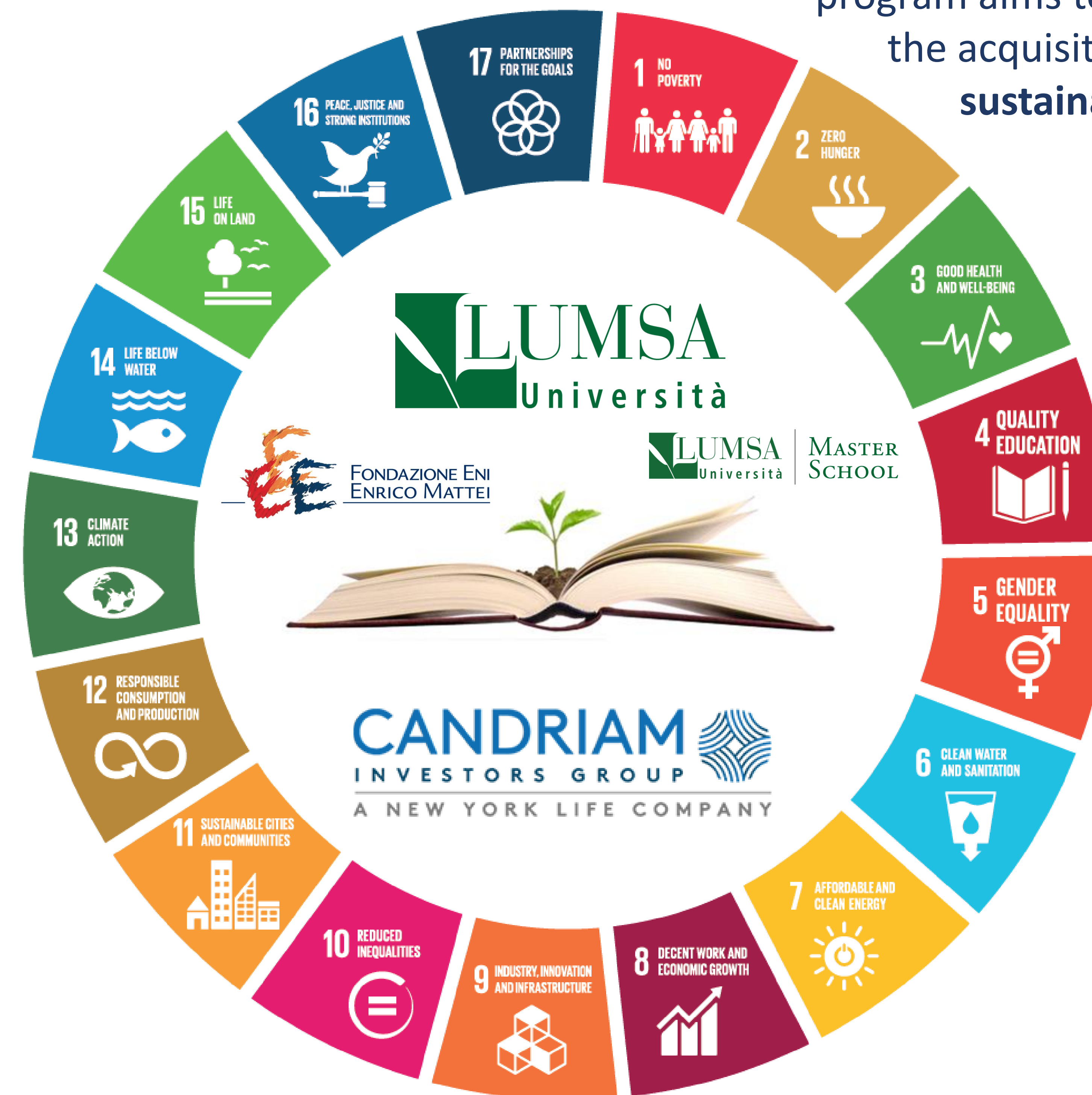
**Pope Francis's Laudato si' Encyclical**, on one side, and the **2030 UN Agenda for Sustainable Development**, on the other, define a new vision for people, planet and prosperity for transforming our world on the basis of a new idea of sustainable development focused on consolidate universal peace, eradicating poverty and to heal and secure our planet «*to shift the world on to a new sustainable and resilient path*».

## What?

In this innovative and attractive new framework/vision coming from UN Agenda and Pope Francis's Encyclical, the MSDG aims at integrating knowledge and expertise in the field of Social Sciences with the UN Agenda SD goals and a **set of strategic competencies to manage international projects on Sustainable Development**.

Open and collaborative approaches will be introduced to promote a new pervasive and global vision and approach on SD. Therefore the **MSDG follows a matrix structure that integrates the main pillars of 2030 UN Agenda** with the 5 specific areas of critical importance for Sustainable Development (SD):

- To protect the **planet**
- To ensure good level of **prosperity**
- To strengthen **peace** around the world
- To implement the global **partnership** for SD
- To support **people** ending poverty and hunger



For more information please visit: <http://mastermsdg.lumsa.it>

## MASTER PRESENTATION

The Master of Science in Management of Sustainable Development Goals (MSDG) is a one-year program and it is offered in a **blended format** to facilitate the participation of both **professionals and long-distance students**. It is equivalent to an Italian 'Master di I Livello'.

This problem-oriented, creative, innovative, learning by doing Master program aims to support graduated students from around the world, in the acquisition of knowledge and **competencies on the management of sustainable development in dynamic environments**.

## PROFESSIONAL PROFILE

Manager on Sustainable Development with focus on:

- Management of sustainable development
- CSR strategies
- Design and management of SD projects
- Impact investing policies
- International cooperation

## KEY COURSES

- **Pillar 1** - The Sustainable Development Goals of the 2030 UN Agenda (8 ECTS)
- **Pillar 2** – Sustainable Socio-Economy (8 ECTS)
- **Pillar 3** – Sustainability Management (18 ECTS)
- **Pillar 4** – Environmental Management (8 ECTS)
- **Pillar 5** – Sustainable Finance (12 ECTS)
- **SD Goals Laboratory** (workshops on transversal issues and SD projects simulation)
- Master thesis & Final exam (3 ECTS)

**Total activities** cover 1,500 hours:

- Lessons: 520 hours (front 120 h; e-lessons 200 h; e-lab 200 h)
- Internship or Project Work: 480 hours (3 ECTS)
- Individual Study: 425 hours
- Thesis: 75 hours



CANDRIAM demonstrates its social and environmental commitment by supporting university education through the sponsorship of the Management of Sustainable Development Goals MSc of LUMSA university. This initiative demonstrates the credentials of CANDRIAM to the **United Nations**, the **World Bank** and the **Holy See**.



Fondazione Eni Enrico Mattei (FEEM), founded in 1989, is a non profit, policy-oriented, international research center and a think-tank producing high-quality, innovative, interdisciplinary and scientifically sound research on **sustainable development**. Thanks to its international network, FEEM integrates its **research and dissemination activities** with those of the best academic institutions and think tanks around the world.



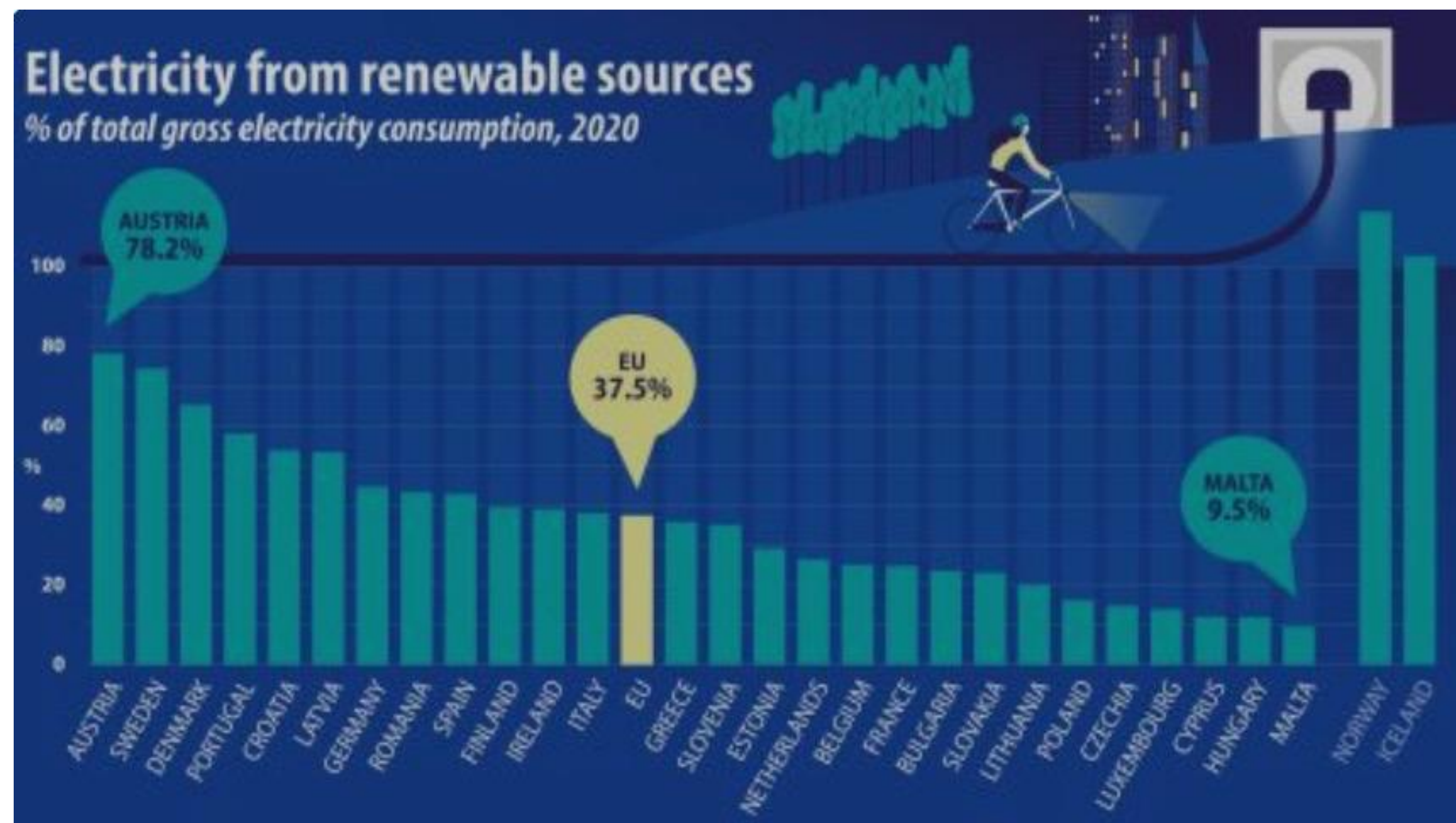
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**In RED** the **34 Countries** of origin of ***other 50 admitted students*** who missed MSDG because of visa issues



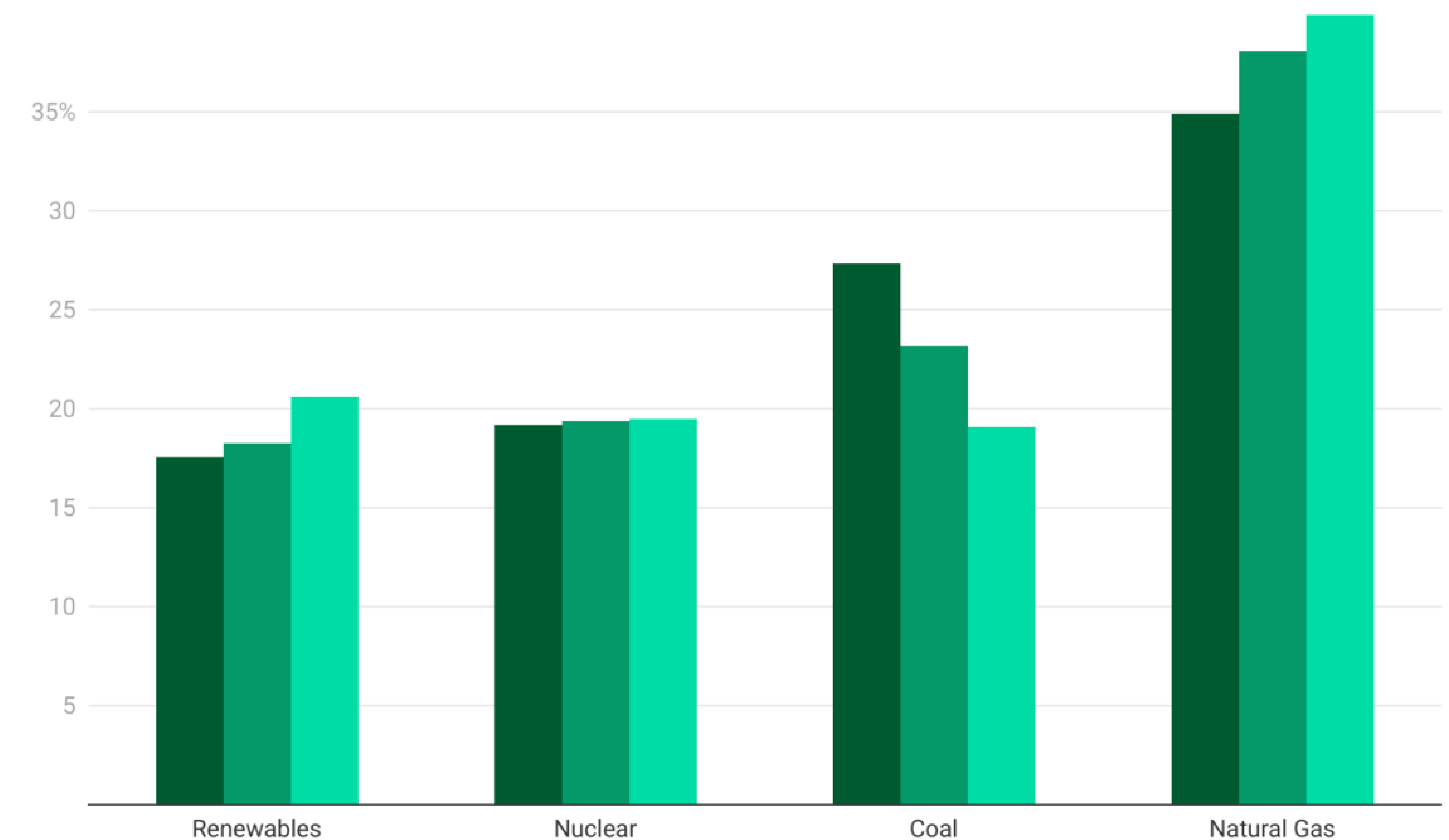
## 2. How the Green Transition is providing competitive advantages to the EU – 1

- Key opportunities for Europe:
  - Renewable energy sources – in 2020 **37.5% EU** vs **20.3% US**



US Electricity Generation Share by Source

■ % of Jan–Dec 2018 ■ % of Jan–Dec 2019 ■ % of Jan–Dec 2020





## 2. How the Green Transition is providing competitive advantages to the EU – 2

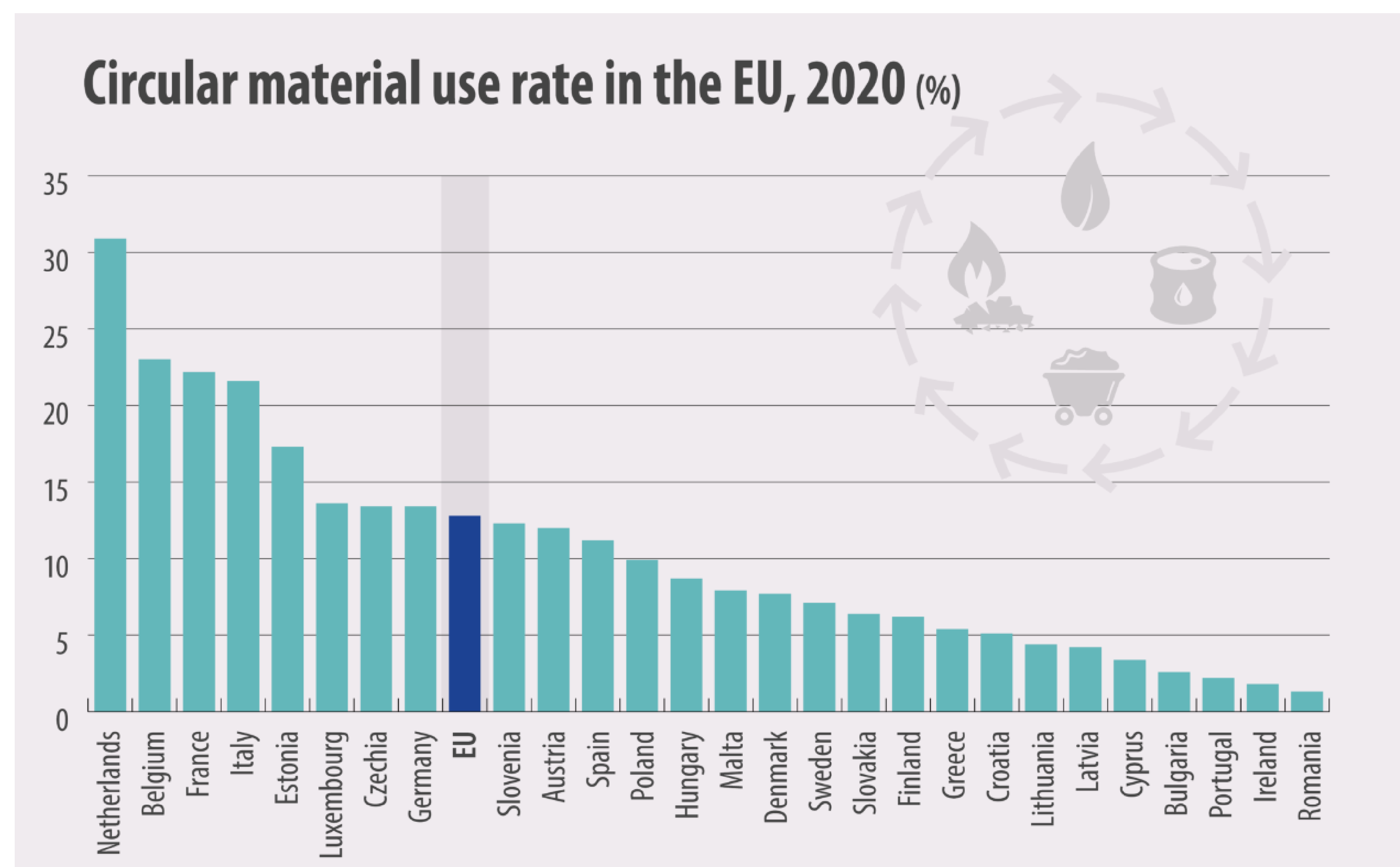
- Key opportunities for Europe:

- **Circular economy** – in 2020 **13% EU** vs **US (not reported)**
- **Plastic waste per year** – **105 Kg US** vs **81 Kg DE, 56 Kg ITA**

### EU's circular material use rate increased in 2020

In 2020, the EU's circular material use rate (referred to as the circularity rate) reached **12.8%**.

25.11.2021



ec.europa.eu/eurostat





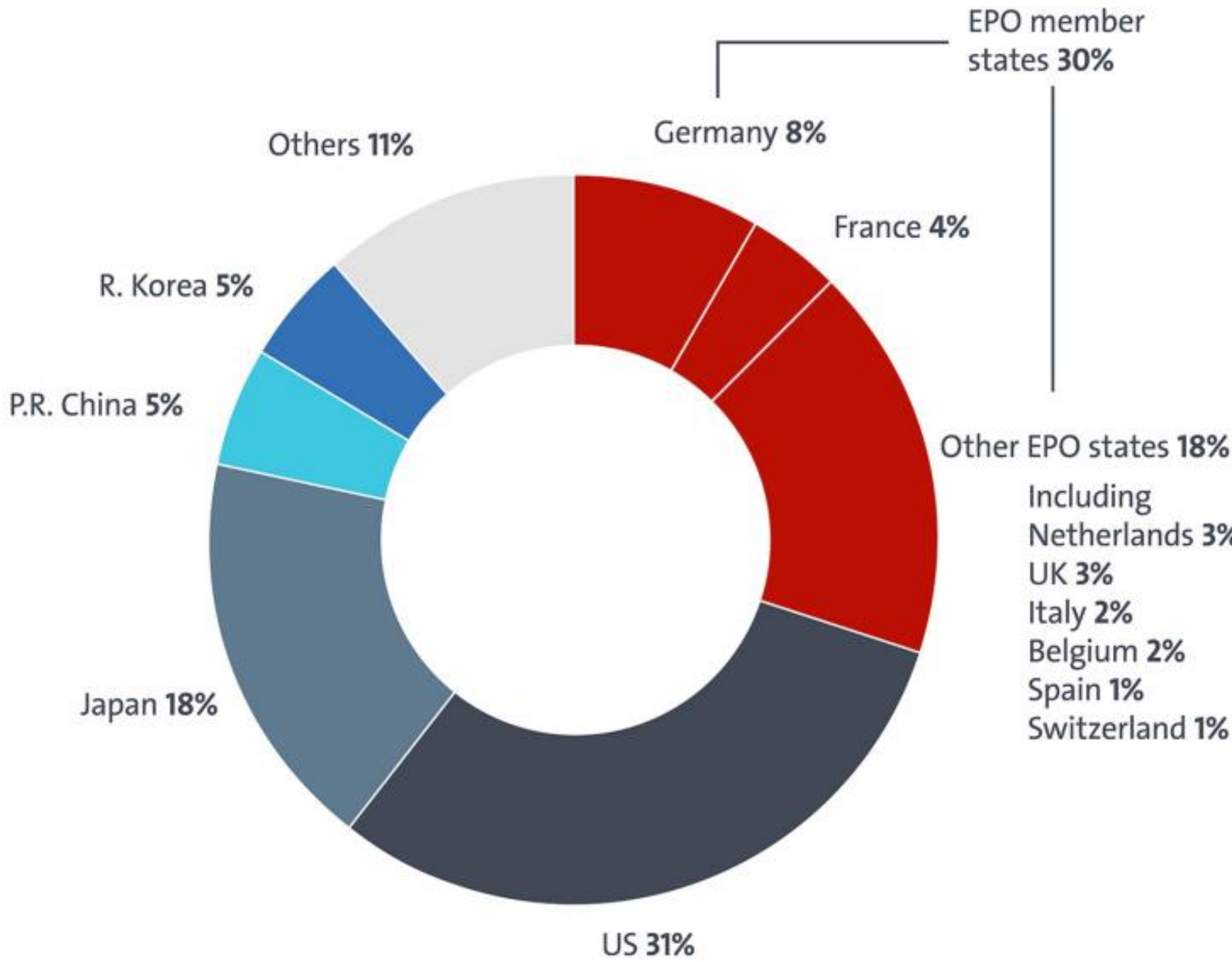
## 2. How the Green Transition is providing competitive advantages to the EU – 3

- Key opportunities for Europe:
  - **Low generic innovation** – patents **EU 30%** of **US** (12% of China)
  - **but High green innovation** – patents on plastic recycling / bioplastics **EU** analogous to **US** (6 times greater than China)

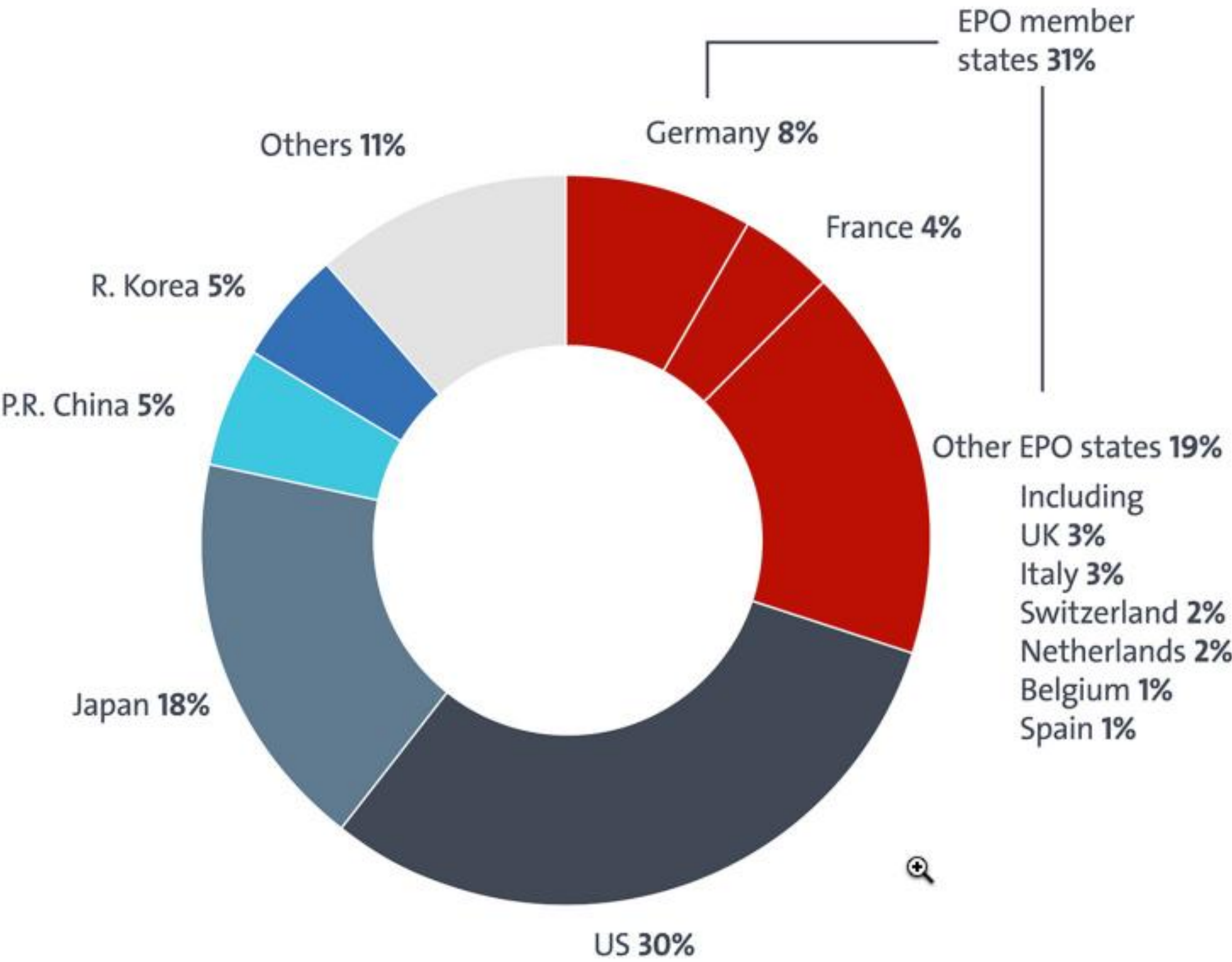
Top 10 countries: No. of patent applications filed in 2020

1	China	15,00,000
2	Unites states	5,97,172
3	Japan	2,88,472
4	Korea	2,26,759
5	Europe	1,80,346

Countries of origin for international patent families in **plastic recycling technologies**, 2010-19



Countries of origin for international patent families in **technologies related to bioplastics**, 2010-19

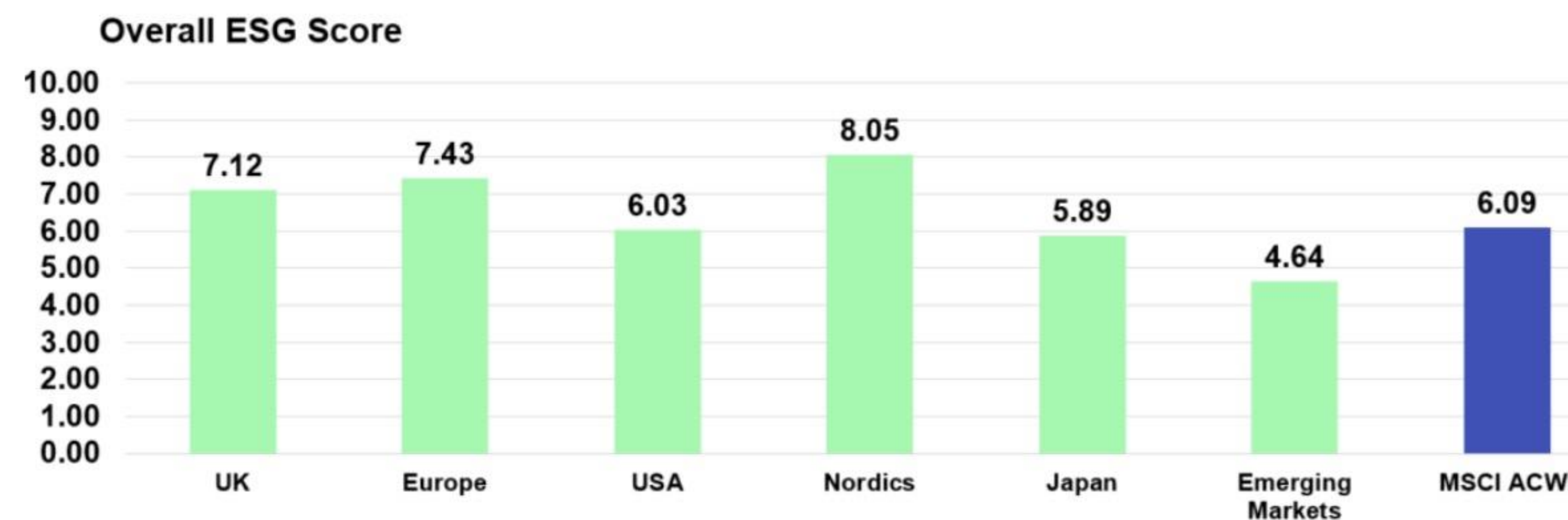




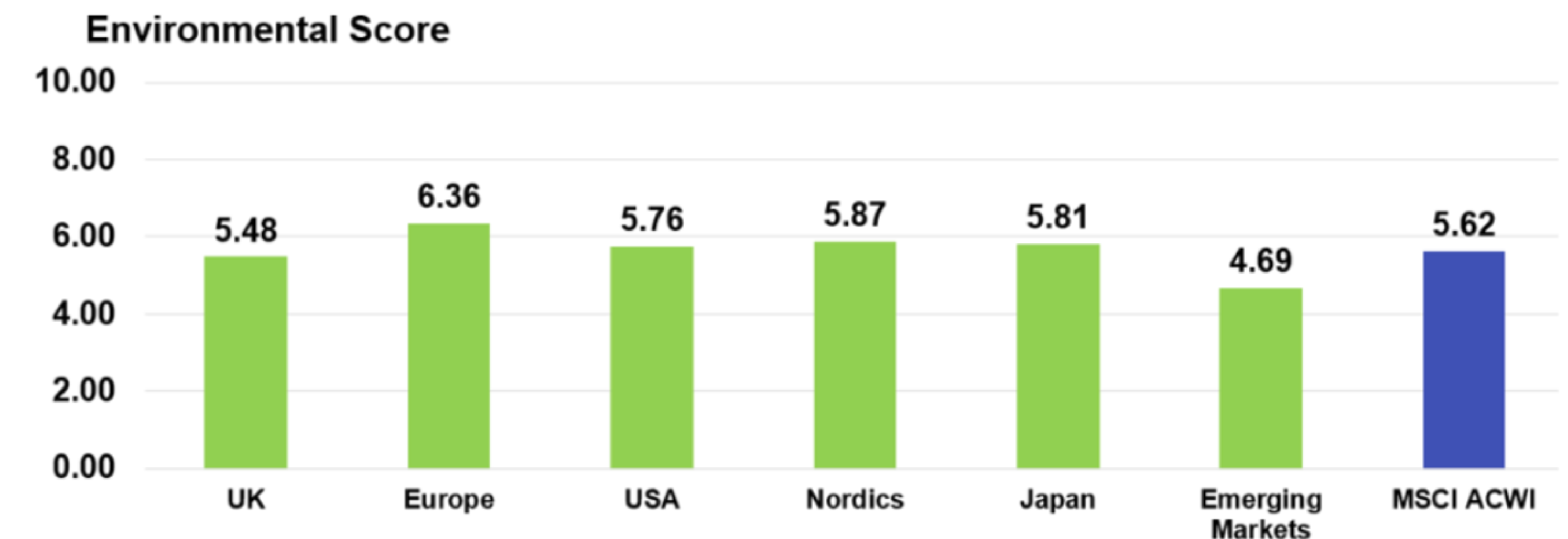
## 2. How the Green Transition is providing competitive advantages to the EU – 4

- Key opportunities for Europe:

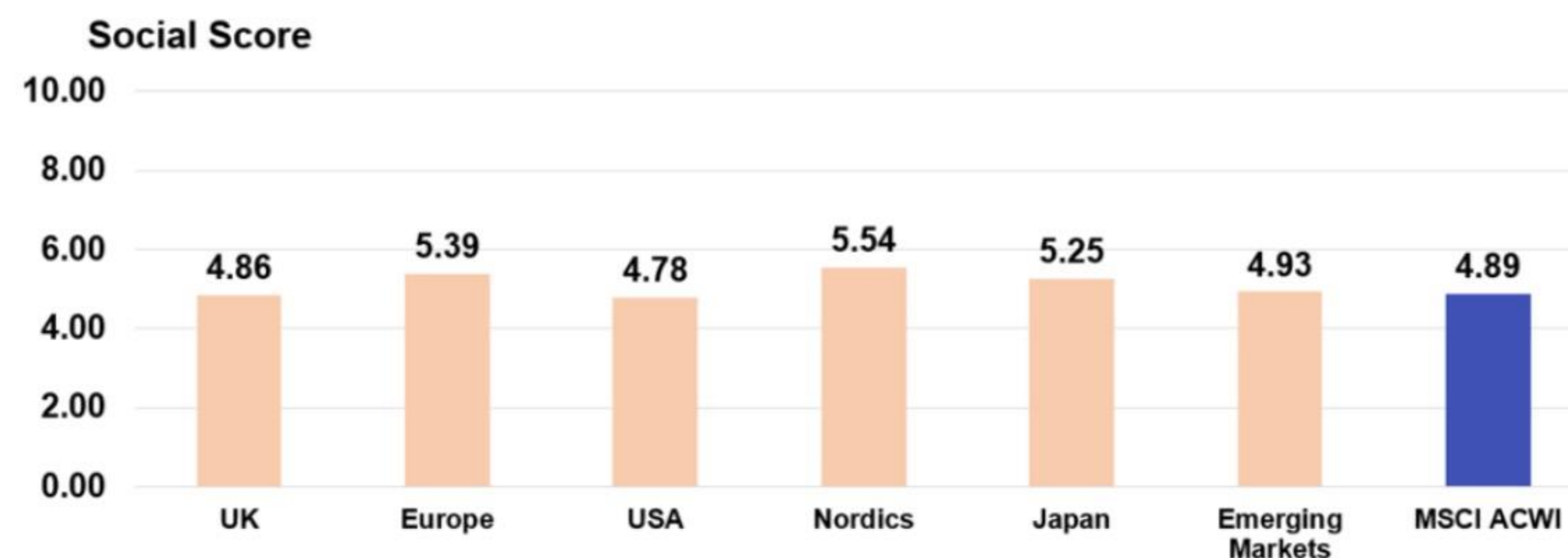
- **Access to Green Finance** – ESG ratings **EU 23%** above **US**



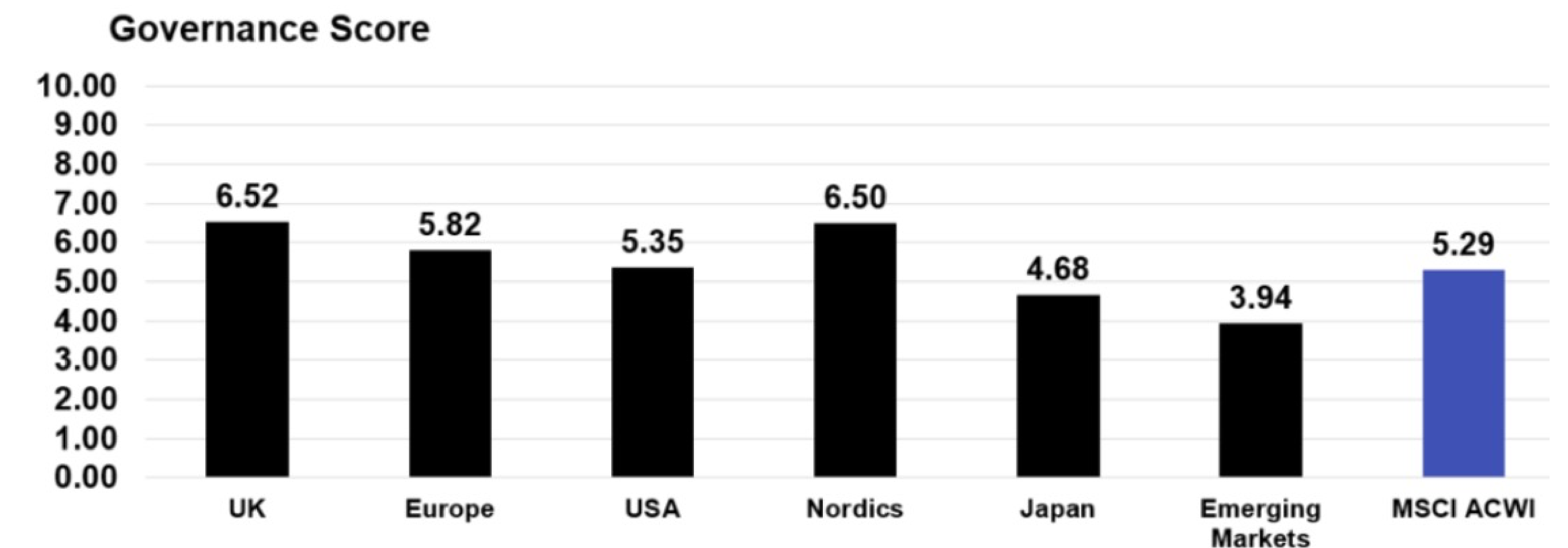
Overall ESG score: EU 23% above US



E (Environmental) score: EU 10% above US



S (Social) score: EU 13% above US



G (Governance) score: EU 9% above US  
of which: Women on Board: EU 72% above US