



USING SCIENCE DIPLOMACY
FOR ADDRESSING GLOBAL CHALLENGES

EU Science Diplomacy

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When did the EU begin to practice science Diplomacy?

"Scientific and technological cooperation with third countries has become a matter of increasing importance for and an essential part of the external relations of the Community..."

"international cooperation in R&I, as well as in higher education, is of geopolitical and strategic importance for the European Union..."

1990 – first quote (*A strategic Framework for international Science and Technology cooperation*)

2022 – second quote (*Marseille Declaration*)

2012 – first *explicit* mention by EU

Explicit vs. Implicit Science Diplomacy

Actors – Science Diplomats and others that practice science diplomacy

Practices - S4D, D4S, SinD, and DinS

Science Diplomacy is a composite concept (S4D, D4S, SinD)

1959 – Antarctic treaty (France, Belgium)

1954 – *CERN*

**1950s – Science Advisory Councils in France,
Sweden, West Germany, Belgium**

How does the EU understand the concept of Science Diplomacy?

1. Science Cooperation

2. Part of its Foreign Policy/Global Strategy

- Global Challenges**
- Development - SDGs**
- Geopolitical Power**

Practices-based (AAAS/RS): D4S, S4D, SinD

**Interest-based (Gluckman et al): National,
Transnational, Global**

Jean-Claude Junker:

“Most of the political priorities set for my mandate as President of the European Commission depend to a greater or lesser extent on research and innovation” (2016)

Fractured Dimensions of EU Science Diplomacy

Multi-Level

Multi-Actor

Multi-Tool

Multi-Power

Multi-Level

International Organizations

EU Commission and Council

Member States

Regions/Cities

Issues of:

- **Cooperation/Coordination**
- **Jurisdiction**
- **Competencies**



Multi-Actor

On the EU level:

EEAS

- increasing acceptance of SD**
- from 2020 - Science & Technology Advisor**

Directorate Generals

- each engage in international outreach**

JRC

- both a research body and DG**

Food Security case in S4D4C: developing EU – AU research cooperation (FNSSA)

**Impact, Excellence, Relevance, Scalability,
Fungibility**

**DG RTD
DG DEVC
DG AGRI
EEAS
JRC**



THE AFRICA-EU PARTNERSHIP
LE PARTENARIAT AFRIQUE-UE



Multi-Tool

Treasure

Horizon 2020 -> Horizon Europe

Open and Inclusive

Article 185 – research cooperation

PRIMA

EDCTP

Infrastructures

CERN

SESAME

Projects

EL-SCID

S4D4C

InSciDE

Authority

International Negotiations

ICPP

Antartic treaty

Science and Technology Cooperation Agreements

Bilateral agreements with 20 countries

Sanctioning

Switzerland

Russia

'a commitment to a rules-based open market economy... intellectual property rights ... democratic institutions ... policies to improve the economic and social well-being of citizens'

Organization

S&T attachés

Brazil, China, Egypt, India, Japan, Russia and the USA

Science Advisory Mechanism (SAM)

Group of chief scientific advisors, a unit at the Joint Research Centre (JRC), and the Science Advice for Policy by European Academies (SAPEA)

Science Advisor in EEAS

Nodality

‘act as an agenda-shaper, a connector, coordinator and facilitator within a networked web of players’ (2016)

‘a global point of reference’ (2019)

Forums and Knowledge Centers



Multi-Power

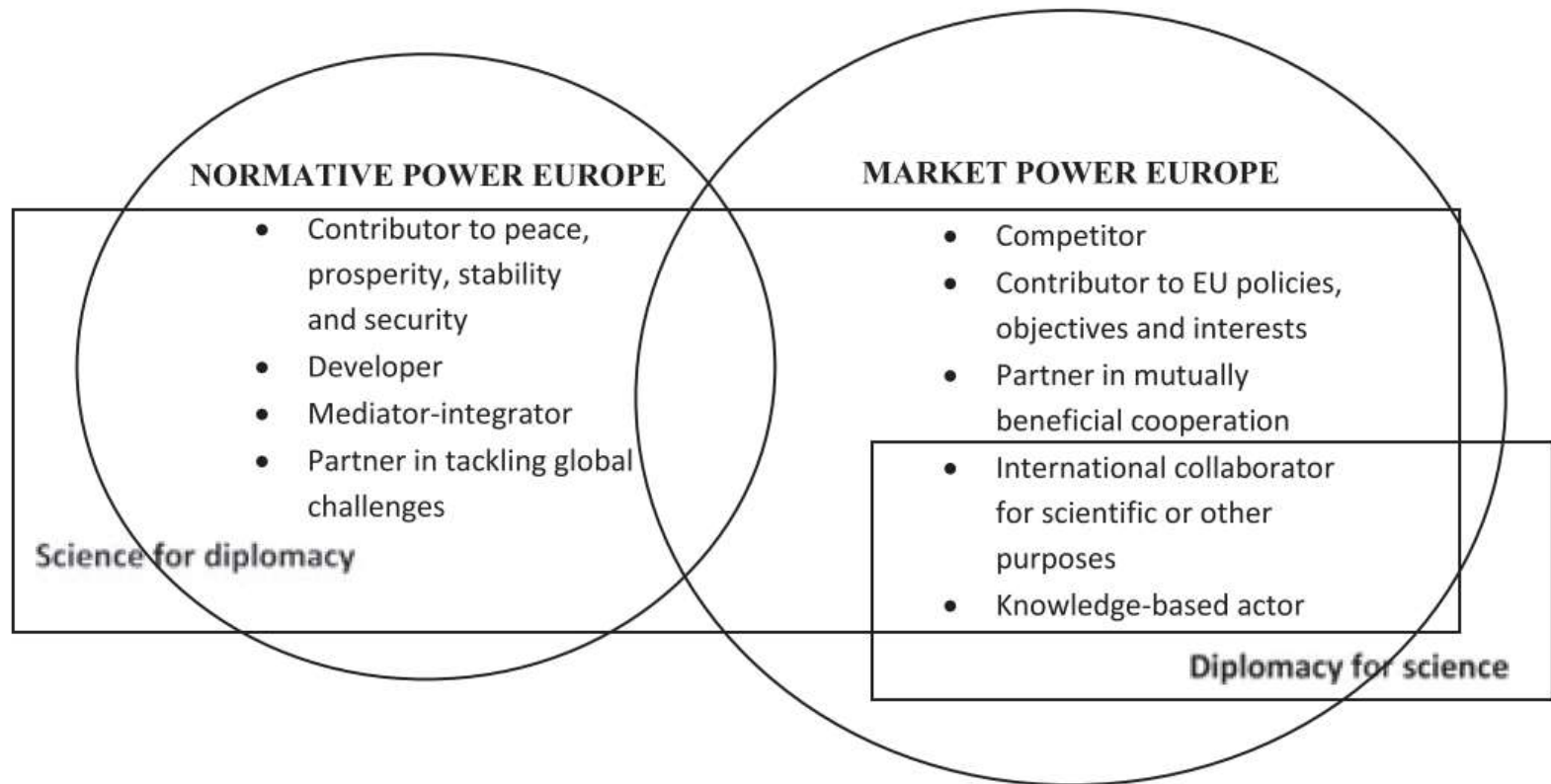
What gives the EU the ability to act and exert leadership on a global level?

“The EU will use its influence to lead the response to global challenges” (European Council 2019, 11)

“Moreover, the EU should leverage its role as a global powerhouse in research and innovation to ensure that multilateral action is informed by the best possible scientific evidence’ (European Commission 2021, 11)



Figure 1: Classifying EU Role Conceptions on Science Diplomacy.



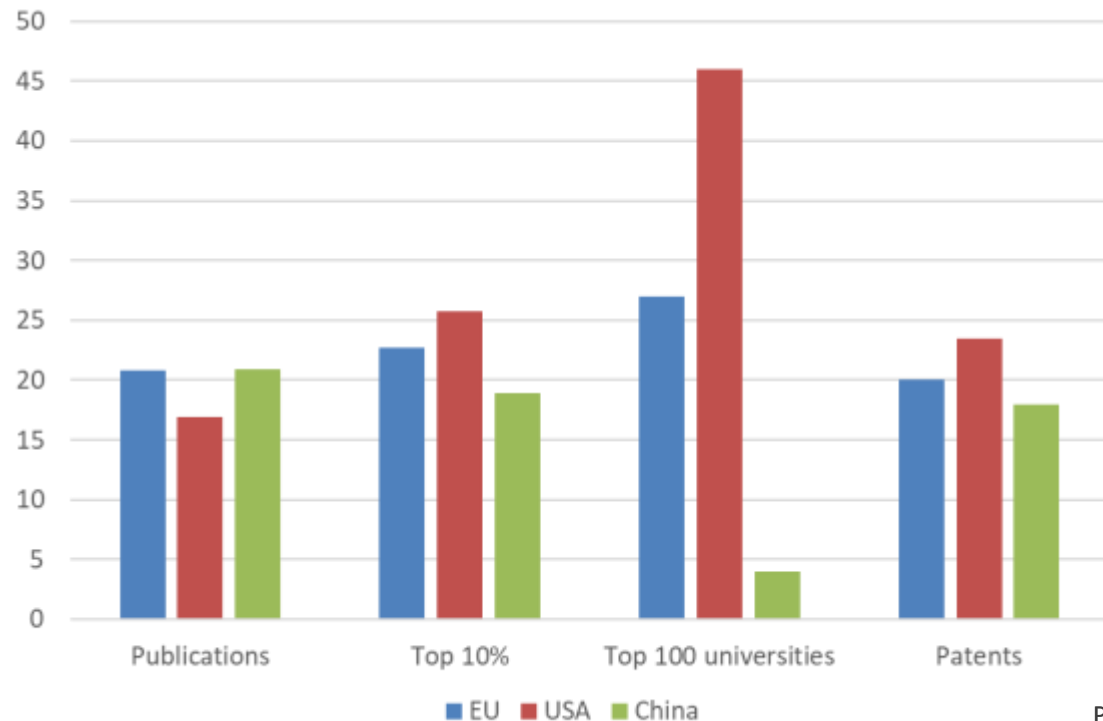
From Roman and Schunz 2018

Knowledge Power Europe

- Multilateralism**
- Leadership**
- Physical World Context**

What the EU is

- **A knowledge-based society and economy (Lisbon strategy)**
- **A global knowledge leader (publications, patents, universities)**



What the EU says

Science Strategies
Global Strategies

Horizon Europe – more geopolitical

Open Science
Academic Freedom
Response to Ukraine

Thanks for your attention!

