

The Joint Research Centre

Emanuela Bellan, Head of Unit Member States Partnerships and
International Relations
Directorate A – Strategy and Impact

UNICA - 3 December 2024

Science for policy

Our purpose

The Joint Research Centre provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.

Teresa Ribera Rodríguez
Executive Vice-President
Clean, Just and
Competitive
Transition



Maroš Šefčovič
Commissioner
Trade and Economic Security
Interinstitutional Relations
and Transparency



**Ursula
von der Leyen**
President



Valdis Dombrovskis
Commissioner
Economy and
Productivity
Implementation
and Simplification



Dubravka Šuica
Commissioner
Mediterranean



Henna Virkkunen
Executive Vice-President
Tech Sovereignty,
Security and
Democracy



Olivér Várhelyi
Commissioner
Health and
Animal Welfare



Wopke Hoekstra
Commissioner
Climate,
Net Zero and
Clean Growth



Andrius Kubilius
Commissioner
Defence and
Space



Marta Kos
Commissioner
Enlargement



Stéphane Séjourné
Executive Vice-President
Prosperity and
Industrial Strategy



Jozef Síkela
Commissioner
International
Partnerships



Costas Kadis
Commissioner
Fisheries and
Oceans



Maria Luis Albuquerque
Commissioner
Financial Services
and the Savings
and Investments
Union



Hadja Lahbib
Commissioner
Preparedness
and Crisis
Management
Equality



Kaja Kallas
High Representative
Vice-President
Foreign Affairs
and Security
Policy



Magnus Brunner
Commissioner
Internal Affairs
and Migration



Jessika Roswall
Commissioner
Environment,
Water Resilience
and a Competitive
Circular Economy



Piotr Serafin
Commissioner
Budget, Anti-Fraud
and Public
Administration



Dan Jørgensen
Commissioner
Energy and
Housing



Roxana Minzatu
Executive Vice-President
People, Skills and
Preparedness



Ekaterina Zaharieva
Commissioner
Startups, Research
and Innovation



Michael McGrath
Commissioner
Democracy, Justice
and the Rule of Law



**Apostolos
Tzitzikostas**
Commissioner
Sustainable
Transport and
Tourism



Raffaele Fitto
Executive Vice-President
Cohesion and
Reforms



**Christophe
Hansen**
Commissioner
Agriculture
and Food



Glenn Micallef
Commissioner
Intergenerational
Fairness, Youth,
Culture and
Sport



The Joint Research Centre

The JRC Board of Governors (39) assists and advises the DG and the Commission on strategic role of the JRC and its scientific, technical and financial management.

Nominated by the Commission upon designation of the country's authorities. The Board consists of:

Members - high-level representatives from the EU Member States

Participants – representatives from countries associated to the Framework Programme

JRC A.3 - Secretariat

- **Dir A: Strategy and Impact (Brussels)**
- **Dir B: Fair and Sustainable Economy (Seville)**
- **Dir C: Energy, Mobility and Climate (Petten)**
- **Dir D: Sustainable Resources (Ispra)**
- **Dir E: Space, Security and Migration (Ispra)**
- **Dir F: Health and Food (Geel)**
- **Dir G: Nuclear Safety and Security (Karlsruhe)**
- **Dir J: Nuclear decommissioning and waste management (Ispra)**
- **Dir S: Innovation in Science and policymaking (Brussels)**
- **Dir T: Digital transformation and Data (Ispra)**
- **Dir R: Support Services (Brussels)**

JRC sites

Headquarters in **Brussels**
and research facilities located
in **5 EU Countries:**

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)



Scientific excellence

International Institute for Applied Systems Analysis – AUSTRIA

Joint Research Centre – EUROPEAN UNION

University of Cambridge – UNITED KINGDOM

Max Planck Society – GERMANY

University of Oxford – UNITED KINGDOM

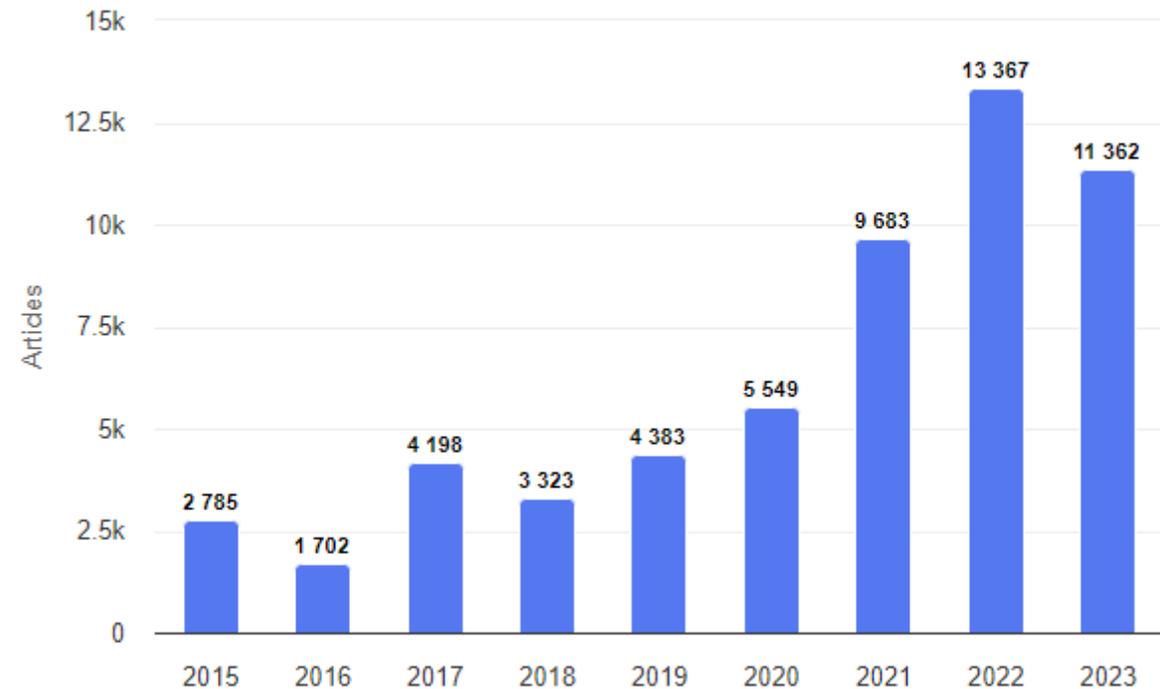
National Institute of Standards and Technology – UNITED STATES

Chinese Academy of Sciences – CHINA

National Centre for Scientific Research – FRANCE

One in four JRC articles ranks in the top 10% most cited worldwide.

Number of press articles mentioning JRC work by year



- ✓ **3.7%** of the JRC's scientific publications released between 2018 and 2022 belong to the globally most cited **top 1%** of all peer-reviewed publications. For the same period, **24.5%** of JRC publications are in the global **top 10%**.
- ✓ We are close to **100% open access**.

Our core strengths



ANTICIPATION



INTEGRATION

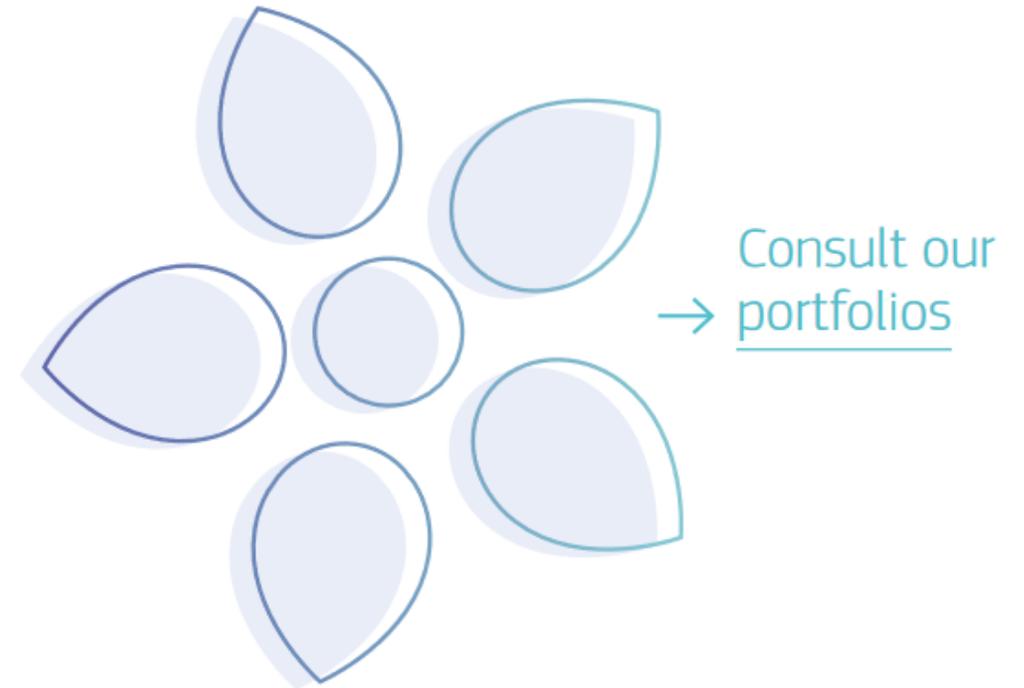


IMPACT

Portfolios to improve collaboration

A **cross-disciplinary approach** that will:

- create new insights, knowledge and methods
- ensure better integration across scientific and policy domains
- maximise our capacity to anticipate new challenges
- support the resulting policy development and track its impacts



Portfolios: the building blocks of our new approach

01. SHAPING THE GREEN TRANSITIONS FOR A SUSTAINABLE AND FAIR EUROPE

02. SUSTAINABLE, CLEAN, INNOVATIVE AND COMPETITIVE ENERGY SOLUTIONS

03. CLEAN HYDROGEN AND OTHER DECARBONISED GASES

04. SAFETY OF NUCLEAR TECHNOLOGY IN SUPPORT OF THE TRANSITION TOWARDS CLIMATE NEUTRALITY

05. SMALL MODULAR REACTORS

06. DECARBONISED, SMART AND SAFE MOBILITY

07. CITIES AND BUILDINGS FOR BETTER LIVES

08. PATHWAYS TO CLIMATE NEUTRALITY: THROUGH LOW-CARBON ENERGY AND LAND USE MANAGEMENT

09. ZERO POLLUTION FOR PLANETARY HEALTH - INTEGRATED RESPONSES

10. HEALTHY BIODIVERSITY AND NATURAL CAPITAL ACCOUNTING

11. TRANSITION TO SUSTAINABLE FOOD SYSTEMS IN A EUROPEAN AND GLOBAL CONTEXT

12. SUSTAINABLE MATERIALS AND PRODUCTS FOR A CIRCULAR AND RESILIENT EUROPE

13. INDUSTRIAL TRANSFORMATIONS FOR SUSTAINABILITY, COMPETITIVENESS AND OPEN STRATEGIC AUTONOMY

14. MONITORING AND SHAPING THE DIGITAL TRANSITION

15. TRUSTWORTHY ARTIFICIAL INTELLIGENCE FOR A FAIR AND DEMOCRATIC EUROPE

16. CYBERSECURITY OF SOCIETY AND INDUSTRY

17. EXPLOITING DATA AS A STRATEGIC RESOURCE FOR SCIENCE AND POLICY

18. OBSERVING THE EARTH FOR POLICY

19. GALILEO NEXT GENERATION AND SECURE CONNECTIVITY

20. TOWARDS AN INCLUSIVE AND RESILIENT SOCIETY: SOCIAL JUSTICE AND FAIR TWIN TRANSITIONS

21. EDUCATION, SKILLS AND EMPLOYMENT FOR A FAIR TWIN TRANSITION

22. ECONOMIC GOVERNANCE AND STRUCTURAL REFORMS

23. TERRITORIAL INTELLIGENCE FOR EU POLICIES

24. SCIENCE FOR THE GLOBAL GATEWAY AND THE INTERNATIONAL GREEN DEAL

25. ENHANCED SITUATIONAL AWARENESS FOR CRISIS MANAGEMENT

26. UNDERSTANDING AND ACTING ON FUTURE RISKS AND OPPORTUNITIES

27. BETTER PREPAREDNESS AND RESPONSE TO HEALTH CRISIS

28. INNOVATION IN LIFE AND HEALTH SCIENCES

29. TACKLING CANCER AND OTHER NON-COMMUNICABLE DISEASES

30. SCIENCE FOR SECURITY

31. SUPPORT TO NUCLEAR COMPLIANCE ASSURANCE

32. CHALLENGES AND OPPORTUNITIES OF POPULATION DYNAMICS AND MIGRATION

33. INNOVATIVE POLICYMAKING IN A COMPLEX WORLD: SCIENCE, FORESIGHT AND EVALUATION FOR POLICYMAKING AND DEMOCRACY

A European Green Deal

A Europe fit for the digital age

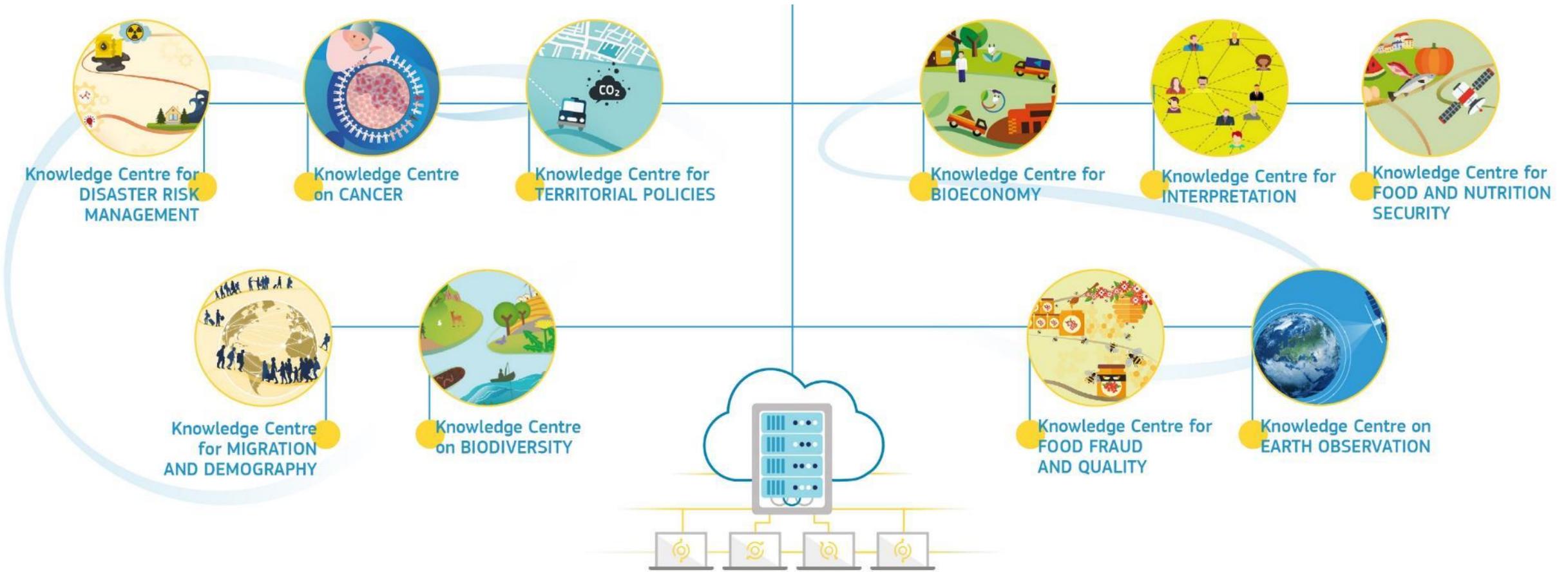
A stronger Europe in the World

An economy that works for people

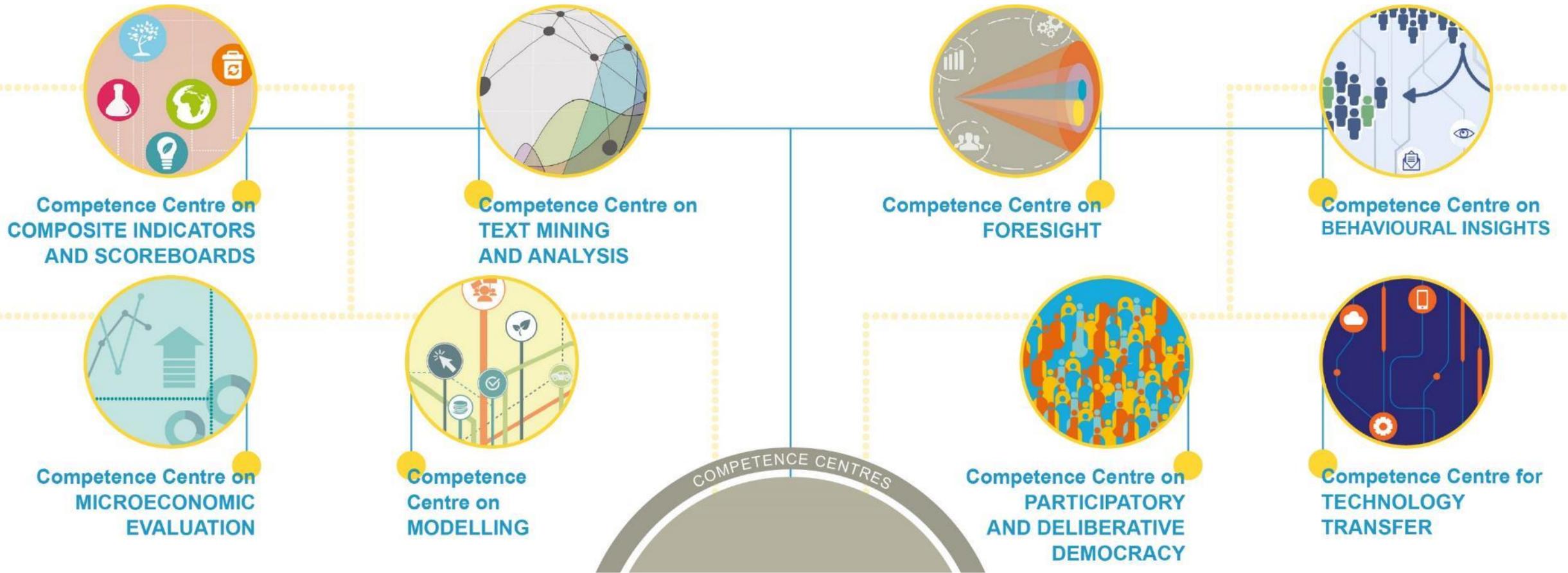
Promoting our European way of life

A new push for European democracy

Knowledge Centres



Competence Centres



JRC's highlights – examples of impact in 2023

“The Board strongly believes that independent, evidence-based science and knowledge, which is at the very heart of the JRC’s mission, is essential for policymaking”.

*“We are confident that the more coordinated and integrated **portfolio approach** that the JRC has adopted will benefit not only the European Commission, but also the Member States, and regional and local authorities in better anticipating new challenges, in developing policies and in monitoring the implementation and impact of those policies.”*



Addressing disinformation in the digital age



Olena Snigyr

Ukrainian Jean Monnet Fellow at the European University Institute

With the JRC we advanced our understanding of the connection between Russian propaganda, disinformation content and official Russian strategic narratives. This knowledge will contribute significantly to identifying necessary protective measures against malign informational operations.



Disinformation poses significant risks to democratic processes, information ecosystems, and public discourse. Monitoring and addressing disinformation become increasingly vital as we get more digitally connected. Over the last 3 years, the JRC has played a pivotal role in analysing the 'infodemic' challenging European society to help understand the implications and advise on the best strategies to fight it.



SOCIETAL IMPACT

Over 1 million text items analysed since 2020 to track narratives and help protect democracy

Proactively managing disasters via Earth observation



Fabrizio Curcio
Head of the Italian Civil Protection Department

We activated the CEMS Rapid Mapping in Emilia-Romagna. This quick matching of our needs with the JRC's scientific information allowed us to have the best up-to-date information, and enabled an effective response. To date, the estimate of flooded areas provided by Copernicus is still the most exhaustive.



Floods, wildfires, droughts. When disasters strike, emergency teams need quick and reliable information to take operational decisions. The JRC is a key partner offering data to EU Member States and the EU Civil Protection System. The JRC has been a frontrunner in Earth observation and scientific research related to natural hazards for over three decades. Thanks to its ability to combine satellite data with in-situ observations and artificial intelligence, the JRC is now able to contribute at all stages of the disaster management process: from risk anticipation and early warnings to crisis response and post-event risk and recovery assessments.



MEMBER STATE SUPPORT

88 on-demand mapping activations in 2023 via the Copernicus Emergency Management Services

Securing the raw materials at the heart of our economy



Nicola Beer

Vice-President of the European Investment Bank, ex-MEP

The Critical Raw Materials Act is strongly underpinned by independent data and scientific evidence, provided by many sources including the JRC's Foresight Report and Raw Materials Information System. With this Act, the course has been set for Europe to head towards open economic and geopolitical sovereignty.



Critical raw materials are indispensable to the green and digital transitions. Demand for these precious resources, necessary to achieve the transition goals, is expected to increase exponentially in the coming years. However, the EU is strongly dependent on third countries for many of them. Based on its long-standing and deep expertise on the subject and working in close cooperation with many other Commission services, the JRC was instrumental in helping the European Commission to better identify, assess, manage and overcome these dependencies, particularly through a dedicated Foresight Report and the JRC's Raw Materials Information System.



POLICY IMPACT

Crucial partner in defining the Critical Raw Materials Act, from its inception to its adoption

A dynamic, open and networked JRC

Let's team up!

Training and education - "EU Academy"

1000+ partners: Universities, public research organisations, member state authorities, international organisations, European Parliament, industry, etc.

Open access policy, publications and data

Provide access for external researchers to JRC scientific infrastructures

80% of JRC publications co-authored with ERA colleagues

30% of JRC publications co-authored with beyond ERA colleagues



We are hiring



Check our vacancies
recruitment.jrc.ec.europa.eu

What are the career opportunities?

Want to do research for policy?

as a Researcher

Up to 6 years of contract
as contract staff FGIV*

as a Research assistant or Lab technician

Up to 6 years of contract
as contract staff FG III*

as a Grantholder / PhD student

Check out our [Collaborative Doctoral Partnership Programme \(CDP\)](#)

as a Seconded National Expert (SNEs)

up to 4 years of contract

Want to build an EU career as Civil Servant of the European Union?

To become a permanent civil servant for the JRC and the European Commission, apply for open competitions organised by the European Personnel Selection Office

Want a taste of working for EU institutions?

as a JRC Scientific trainee

Where? Geel, Karlsruhe, Ispra, Petten or Seville

3-5 months contract

Apply in May to start in October | Apply in October to start in March**

as a European Commission Bluebook Trainee

Where? Brussels and Seville

3-5 months contract

Apply in January to start in October | Apply in July-August to start in March**

** (This time frame is indicative, please check on the specific call you are applying for)

Not a researcher? We have other opportunities!

as Administrator / Assistant

in fields such as finance / budget, communication, security, safety, legal affairs, ICT and more

up to 6 years of contract
as contract staff FGI-IV

Open selection procedure for Scientific research administrators (AD7) - DL 10.12

JRC Newsletters

Joint Research Centre (JRC) - Newsletter

The Joint Research Centre provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society

Science for policy

Latest updates

INCITE platform out for submission of clean technologies

First-of-its-kind information hub brings together EU industrial stakeholders to foster innovative technologies.



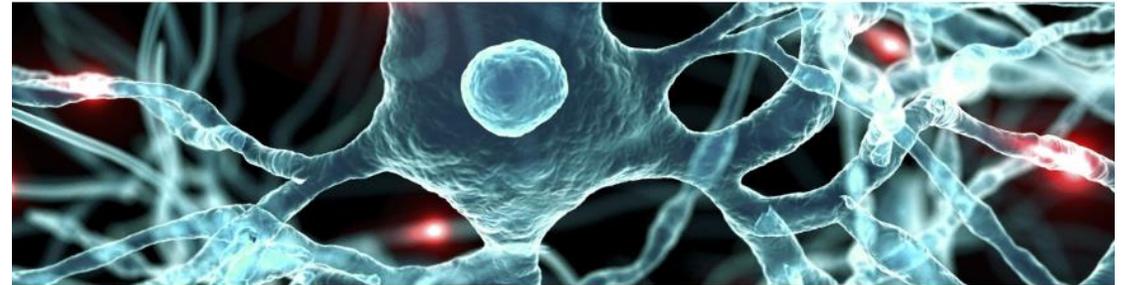
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more

Science Flash For You

La France et le service de la Commission européenne pour la science et la connaissance



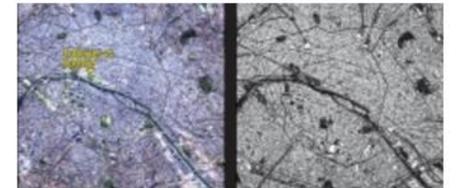
Suivez-nous



Actualité

Les schémas urbains de Paris sont présentés dans l'Atlas de la planète humaine du JRC

Le Paris d'aujourd'hui reste une ville mondiale emblématique, célébrée pour sa riche histoire, sa culture et son architecture. C'est la ville la plus peuplée de France et la quatrième ville la plus peuplée de l'UE. Ces der-



Thank you and keep in touch



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EU Science Hub

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