



*Liberté
Égalité
Fraternité*



ANR & the European Research Framework Programmes

Perspectives on Horizon Europe and
French-Lithuanian cooperation

20/10/2021



I / Who we are

Two decorative blue lines: a short one on the left and a long one on the right, both pointing towards the center.

ANR – A project funding agency

Public organisation - Created in 2005- Under the French Ministry of research and higher education (MESRI)

5 missions

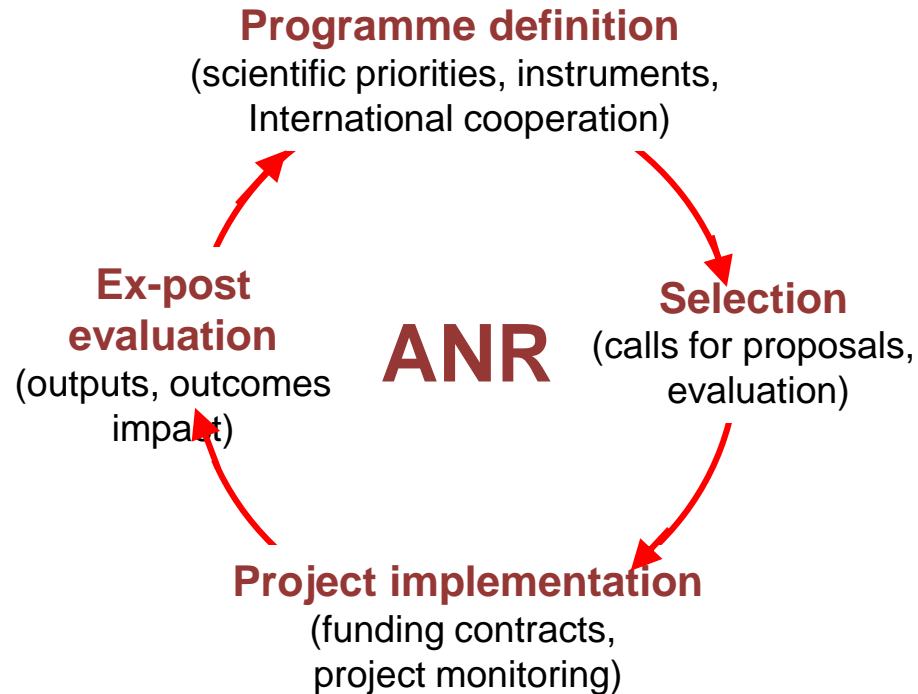
- To fund and promote the development of basic and applied research, technological innovation, technology transfer and public-private partnerships
- To implement the Action Plan approved by the French Ministry of Research
- To manage major government investment programmes in the fields of higher education and research
- **To strengthen scientific cooperation across Europe and worldwide**
- To analyse trends in research offering and assess the impact of the funding it allocates (added 2014)

A wide remit

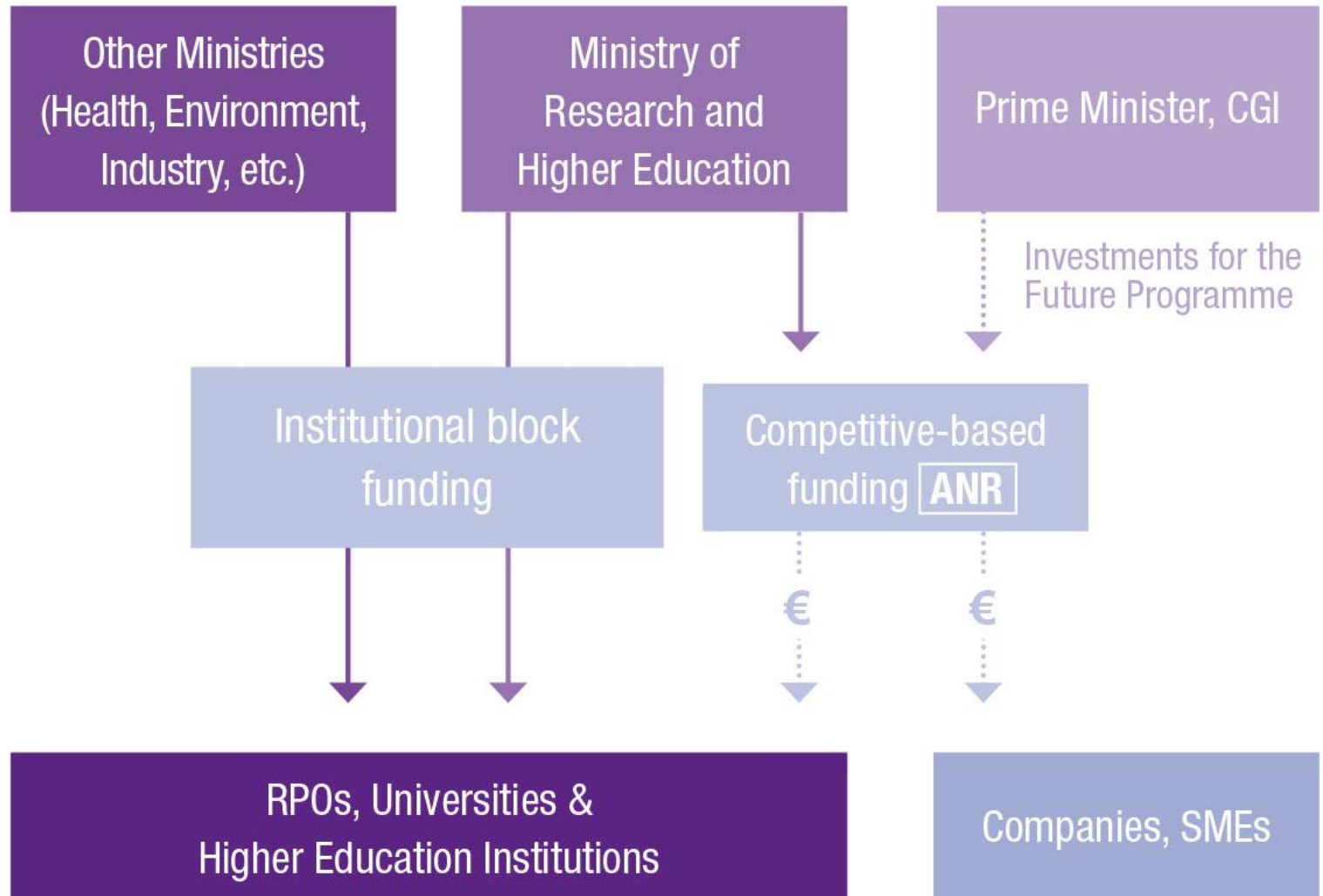
- ⇒ all fields of science and all types of research (basic, applied, experimental)
- ⇒ Public or private funding recipients: universities, research organisations, foundations, commercial companies...
- ⇒ Various instruments described in a yearly Action Plan (<https://anr.fr/fr/pa2022/>)

Annual activity report <https://anr.fr/en/anrs-role-in-research/the-agency/documents/>

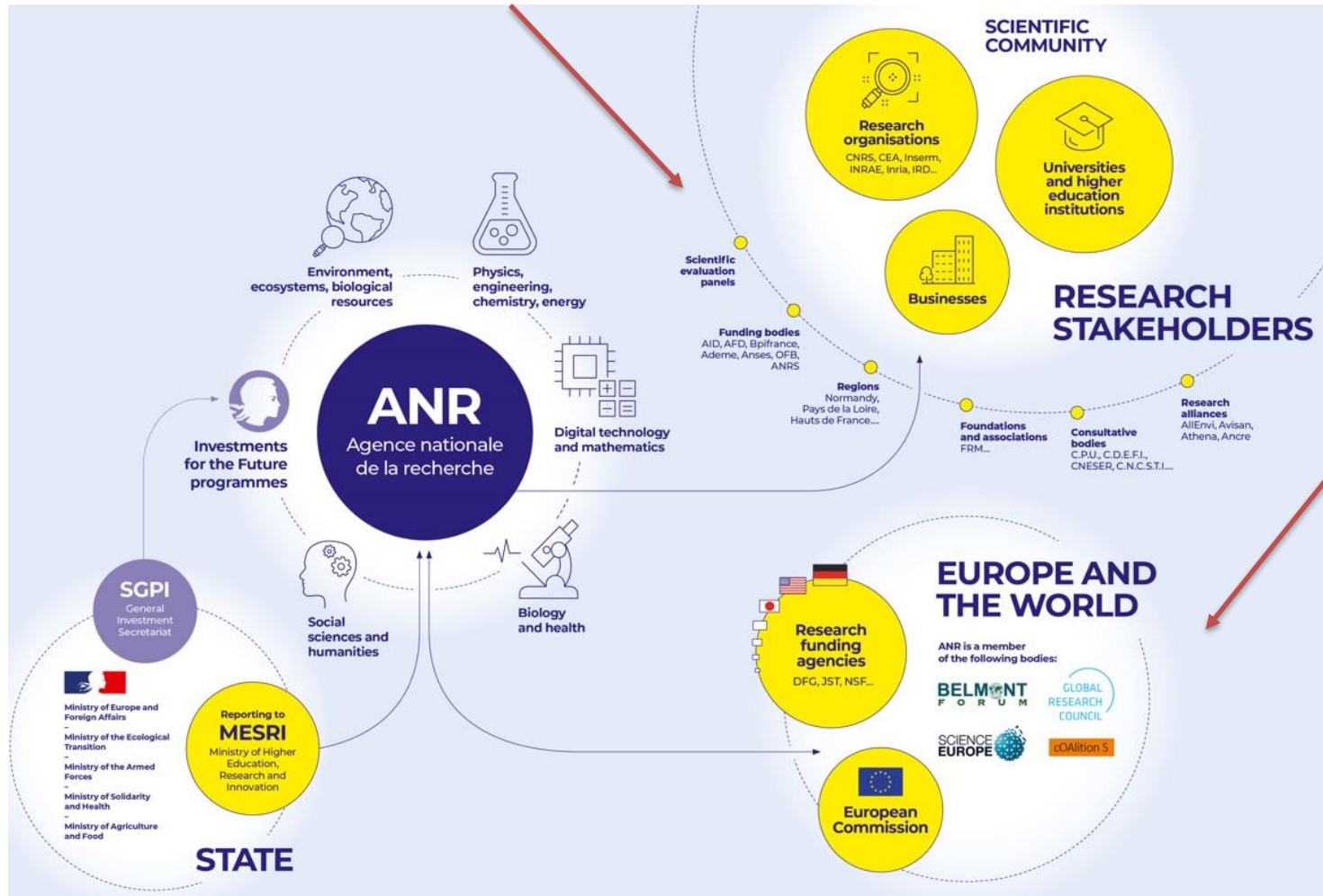
Our action cycle



ANR in its national institutional environment



ANR in its extended ecosystem



ANR and other funding sources

Funding range
(whole project duration)

€10 M

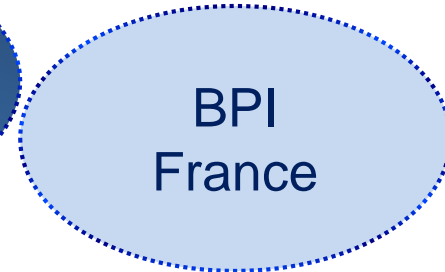
€1 M

€0.1 M

Basic
Research

Industrial Exploratory
Research

Innovation
Development



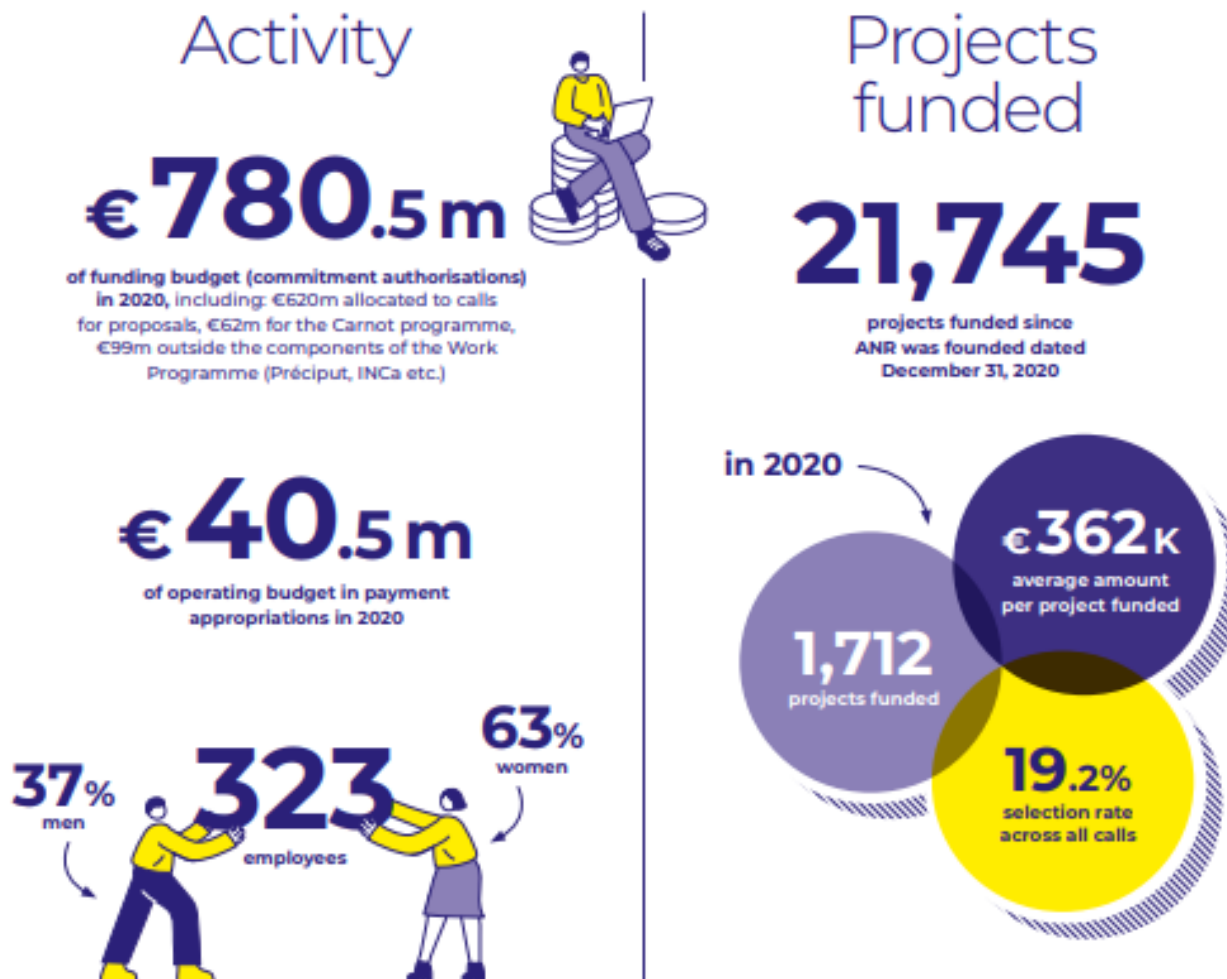
Our commitments...

- To act in the service of science
- To guarantee the quality, efficiency and transparency of our processes
- To contribute to the evolution of science culture

...and their enactments

- **Scientific integrity**
 - Ethics charter
 - San Francisco Declaration on Research Assessment (DORA)
- **Quality**
 - ISO 9001 certification
- **Gender equality**
 - Action plan
- **Open science**
 - National plan « Open science » (France) and Plan S (Europe)
 - Data Management Plan (mandatory)
- **Fair science**
 - Nagoya protocol
- **Citizen science**
 - CSTI (Scientific, technological and industrial culture)

Key figures 2020



II / International activity

Participation in policy fora

Member of

- Science Europe
- GRC (Global research council)
- G7 research
- Coalition S



A diversified portfolio of internationally oriented funding schemes

1 / Transnational calls for research proposals

- PRCI instrument
- Ad hoc transnational calls
 - ⇒ Bilateral calls
 - ⇒ Multilateral calls



2 / Schemes directed at fostering and increasing French participation in European schemes, in keeping with the "National Action Plan to improve French participation in the European research and innovation funding schemes" (PAPFE):

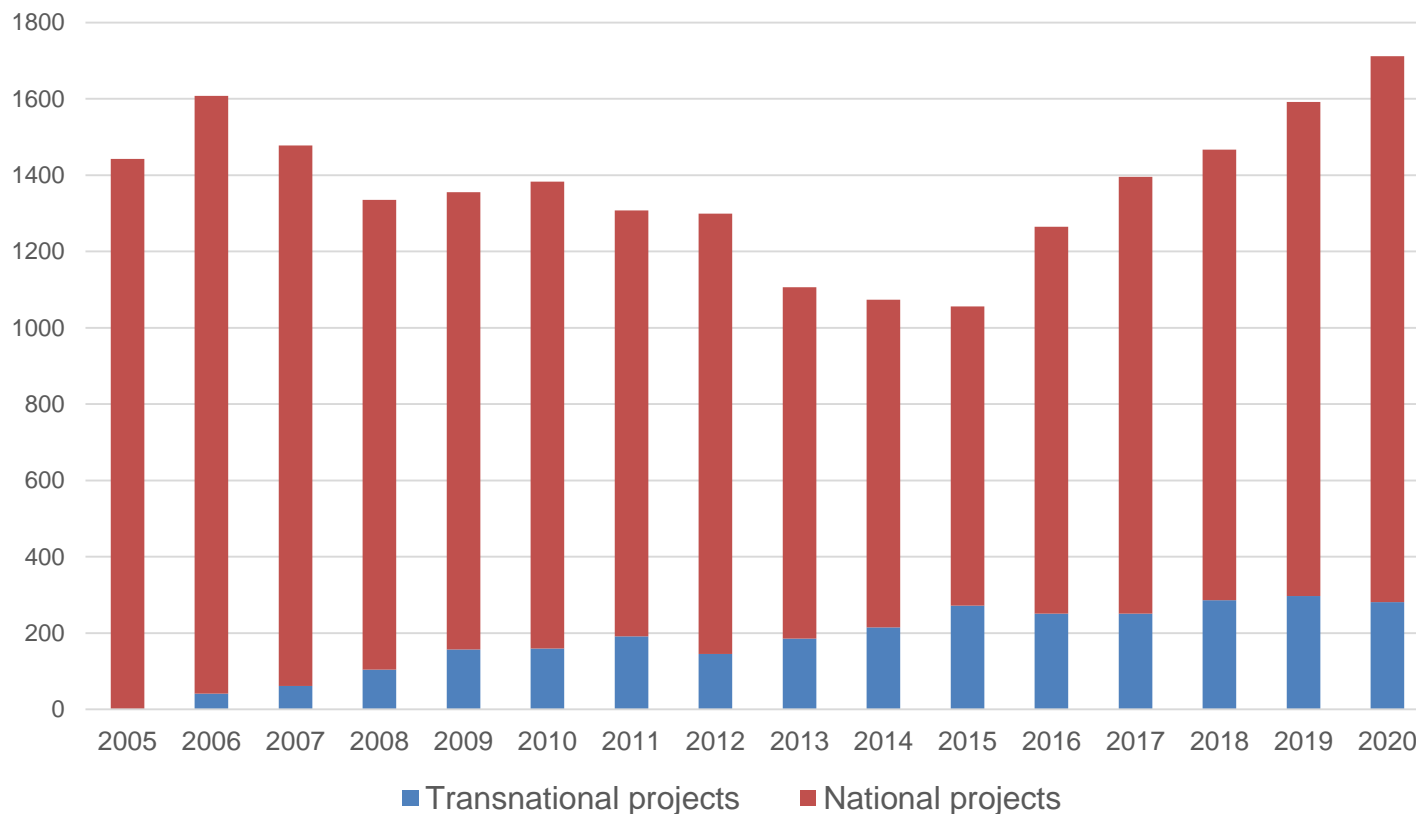
- "Establishing European or International Scientific Networks" (MRSEI)
- "Springboard-ERC" (T-ERC)
- "Access-ERC" (*new*)

3/ Schemes in support of other French organisations

- Example : PEA (Partnership with African Higher education institutions) funded by AFD (French research development agency)

1/ Transnational calls for proposals

Share of transnational projects over total number of funded projects



A strong commitment to building the ERA

Role of ANR: represent French research communities in various European initiatives and allow them to participate

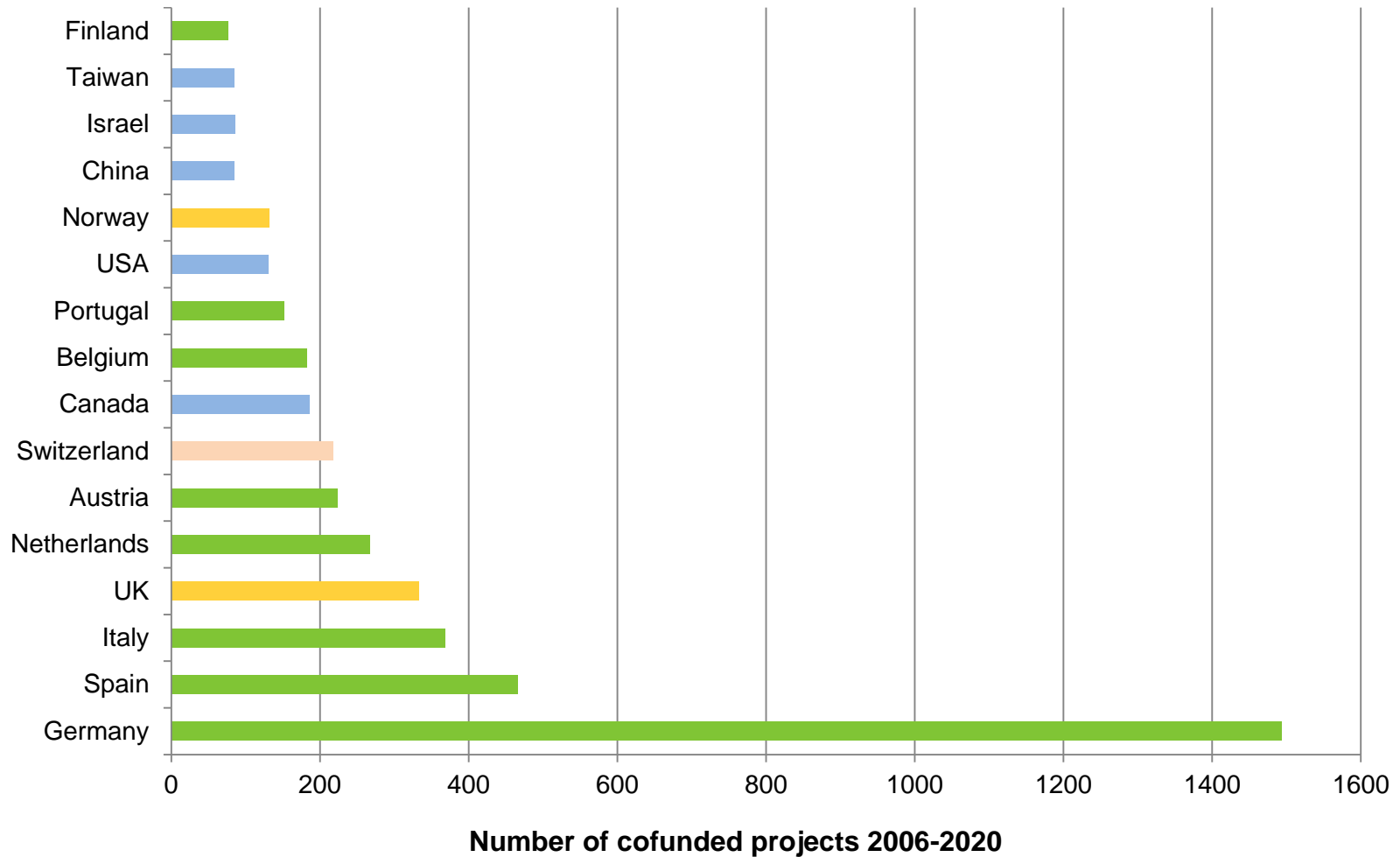
Joint Programming Initiatives (JPI)

- Participation in the 10 existing JPIs and role in the governance structures of 8
- JPI Water: coordination and secretariat + Chairing by an ANR staff ; JPI FACCE: vice-chairing by an ANR staff

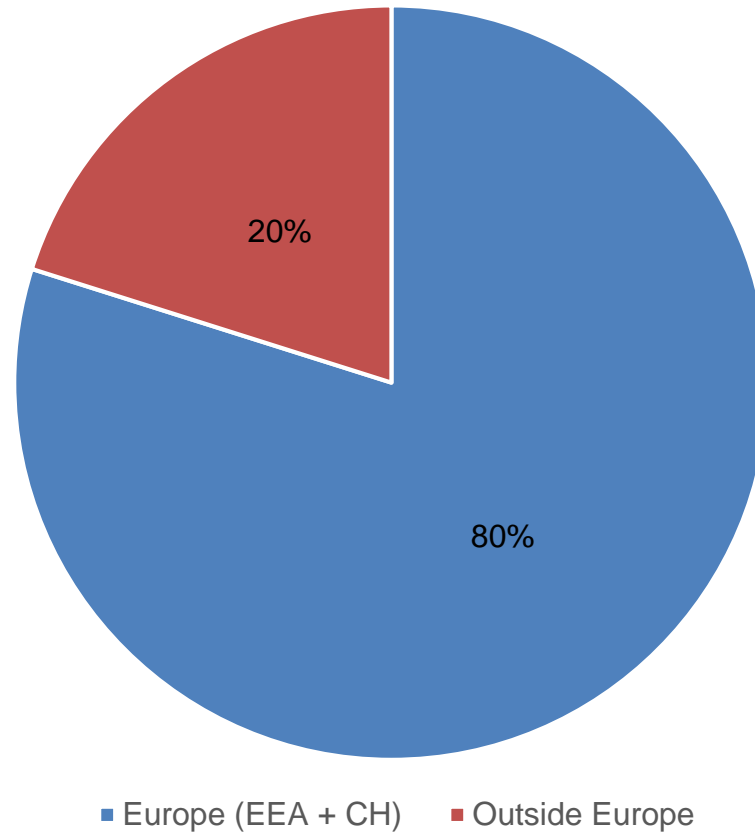
European funded P2Ps

- Since 2006 (PCRD 7 and H2020) : participation in 88 European contracts (ERA-Net, ERA-Net +, ERA-Net Cofund, EJP, CSA, Art. 185...)
- In H2020 : coordination of 13 ERA-Net Cofund and 1 CSA

ANR's main partner countries



Share of transnational cofunded projects 2006-2020

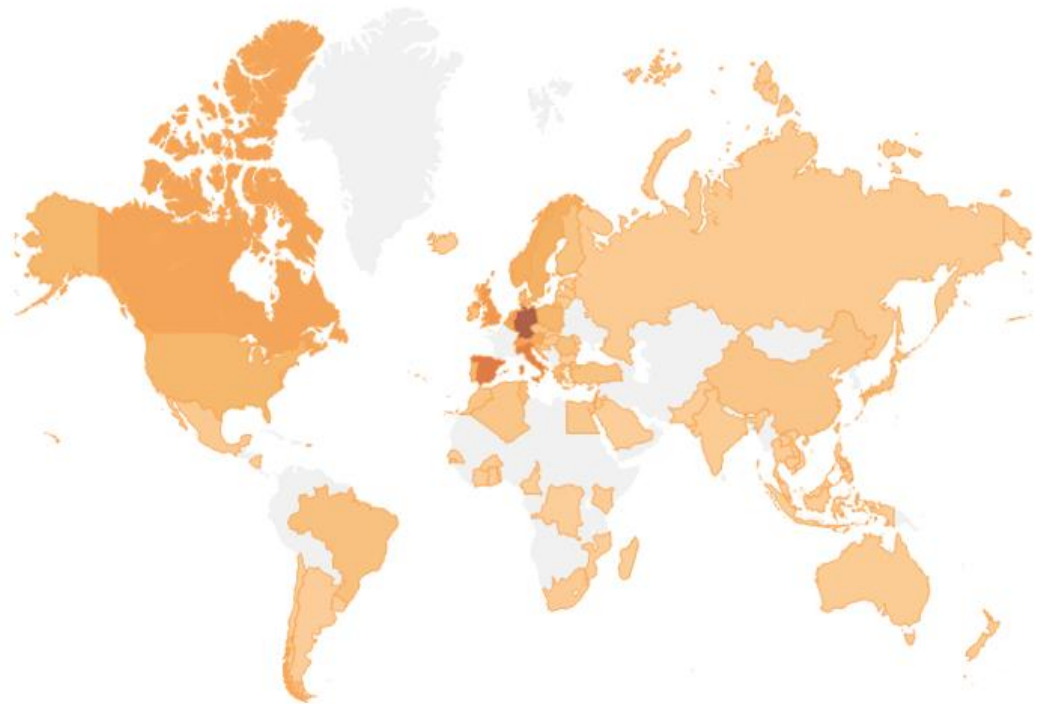


Nevertheless, a great diversity of partner countries

71 partner countries in total since 2006
3 times more funders*
=> Very diverse opportunities offered

* (some of which international: directly supporting teams from 3rd countries)

Partenaires étrangers* des projets internationaux (PA 2014-2020)



(* Seuls les partenaires financés par une agence étrangère ou internationale dans le cadre d'un accord avec l'ANR sont pris en considération, les partenaires sur fond propre ne sont pas présentés)

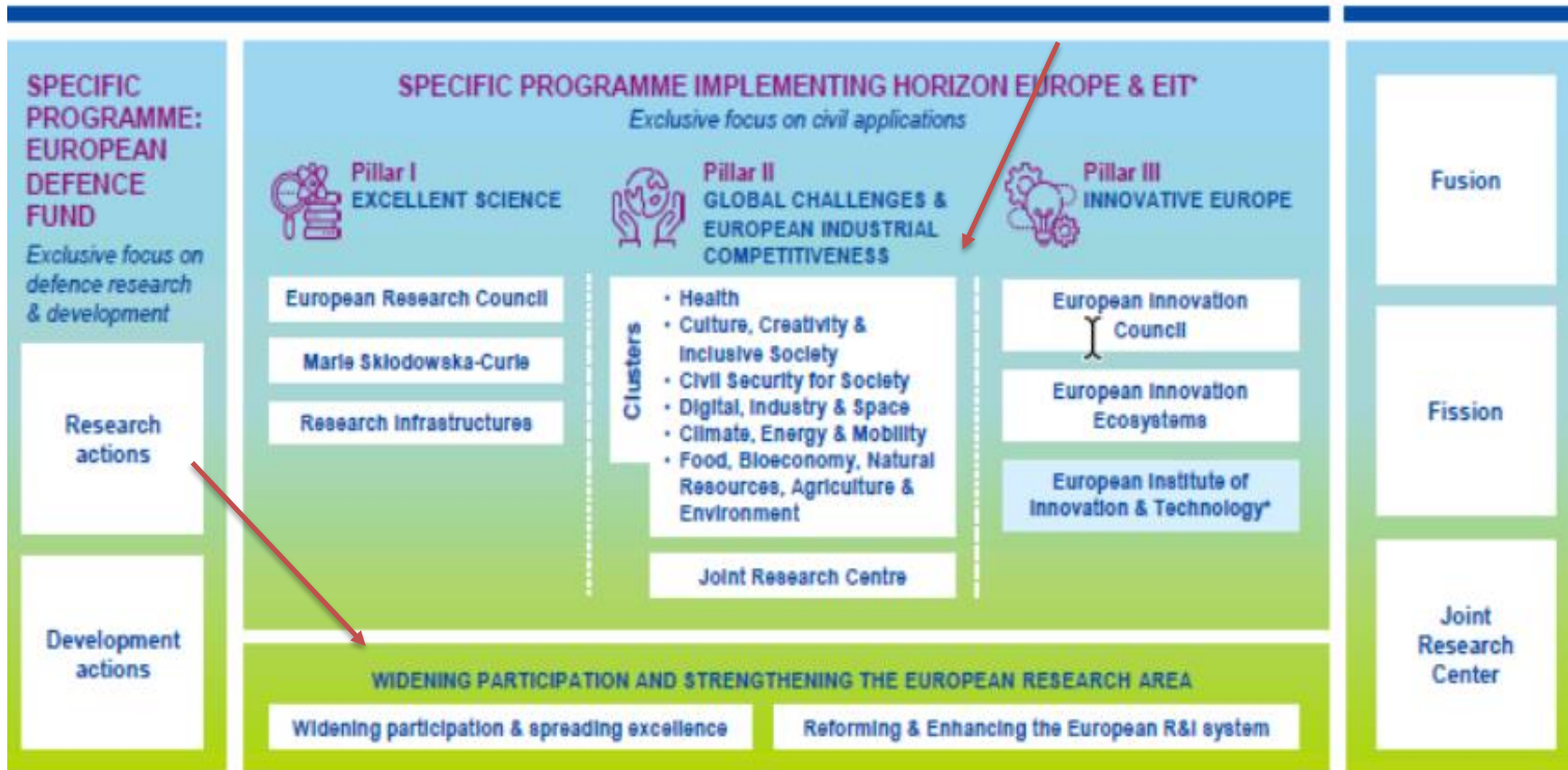
Our priorities

- Regional and/or thematic
- Set by our stakeholders (Ministries, Alliances, RPOs) in a flexible way
- As part of our regional priorities:
 - European research area (ERA) ;
 - Euro-Mediterranean and Euro-African partnerships
 - Partnerships with established major research countries (US, Canada, Japan...) ;
 - Partnerships with other major countries (China, India, Russia, Brasil...).

Horizon Europe : towards the « Partnerships »

HORIZON EUROPE

EURATOM



HEALTH

1. EU-Africa Global Health Partnership
2. Innovative Health Initiative
3. European partnership for chemicals risk assessment
4. Fostering an ERA for health research
5. Health and Care Systems Transformation ?
6. Personalised Medicine
7. Rare Diseases
8. One Health AMR

DIGITAL, INDUSTRY AND SPACE

9. High Performance Computing
10. Key Digital Technologies
11. Smart Networks and Services
12. AI, data and robotics
13. Photonics Europe
14. Clean Steel - Low Carbon Steelmaking
15. European Metrology
16. Made in Europe
17. Carbon Neutral and Circular Industry
18. Global competitive space systems

PILLAR I, III OR CROSS-PILLAR

38. Innovative SMEs
39. European Science Cloud (EOSC)
40. EIT Climate-KIC
41. EIT InnoEnergy
42. EIT Digital
43. EIT Health
44. EIT Food
45. EIT Manufacturing
46. EIT Raw materials
47. EIT Urban Mobility
48. KIC Cultural and Creative Industries
49. Pandemic Preparedness and Societal Resilience ?

CLIMATE, ENERGY AND MOBILITY

19. Transforming Europe's rail system
20. Integrated Air Traffic Management
21. Clean Aviation
22. Clean Hydrogen
23. Built environment and construction
24. Towards zero-emission road transport (2ZERO)
25. Mobility and Safety for Automated Road Transport
26. Zero-emission waterborne transport
27. European industrial battery value chain
28. Sustainable, Smart and Inclusive Cities and Communities
29. Clean Energy Transition

FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

30. Accelerating farming systems transition ?
31. Animal health: Fighting infectious diseases ?
32. Environmental Observations for a sustainable EU agriculture
33. Rescuing biodiversity to safeguard life on Earth
34. A climate neutral, sustainable and productive Blue Economy
35. Safe and Sustainable Food System for People, Planet & Climate ?
36. Circular bio-based Europe
37. Water4All: Water security for the planet

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- Starting end of 2021 : first call open 7th of October (Biodiversa+)
- participation in about 12 1st wave Partnerships
- 1 call per year for 6 years
- Several 2nd wave Partnerships under consideration - cf preparatory CSAs (H2020 like EBRA or HE: GreenERAHub, Design OH-AMR, etc.)

2 / Schemes directed at improving French participation in European programmes

Establishing European or International Scientific Networks (MRSEI)

- **Created:** 2015
- **Objective:** aims to strengthen the position and outreach of French research on the European and international scene by helping to prepare a proposal to a call, coordinated by a French partner.
- **Eligibility:** Research & knowledge organisations (companies not eligible) – A single Fr. PI
 - A call must be identified in the proposal. Target calls include ERC Synergy, MSCA, EIC...
 - Networking costs => Fr. PI funds involvement of foreign future partners
- 2 to 3 deadlines per year
- **Duration:** 24 months
- **Maximum grant:** 30K€

Springboard-ERC

- **Created:** 2016
- **Objective:** reinforce the success of French researchers for the “Starting grants” and “Consolidator grants” calls for proposals of the European Research Council (ERC)
- **Eligibility/selection:** A graded applicants from the previous ERC session (French R&K organisations)
- **Target:** resubmission to Starting and Consolidator ERC grants
- **Duration:** 24 months
- **Maximum grant:** 100K€

Access-ERC

- **Creation:** 2022 (pilot in SSH)
- **Objective:** host young post-doctoral researchers who are seeking to boost their international visibility and submit a future application to an ERC programme, in particular Starting grants and Consolidator grants.
- **Eligibility:** PhDs (French or foreign) who have defended their doctorate less than three years ago
- **Target/requirement:** application to an ERC Starting (or Consolidator) grant
- **Selection:** application file + oral examination
- **Duration:** 24 months
- **Maximum grant:** yet to be defined. Salary will be included.

III/ Focus on French-Lithuanian cooperation through ANR funding

12 cofunded projects (in 12 different calls)

Joint participation in **33 European P2P**
partnerships across FP7 and 8

Joint membership of 4 JPIs

=> Many more joint calls launched together (circa
45)

Example of cofunded project

Project MILEDI

Multiscale Modelling of Impaired LEarning in Alzheimer's Disease and Innovative Treatments

FLAG-ERA 2019 – HBP (Human Brain Project flagship)

LT-FR-IT (funded by LMT-ANR-MIUR)

Coordinated by **Ausra SAUDARGIENE** Lithuanian University of Health Sciences 

With **Hélène MARIE** Institute of molecular and cellular pharmacology (CNRS, Nice)  

And **Michele MIGLIORE**, Institute of Biophysics, CNR, Palermo) 

Objective : develop a new multi-scale (integrated molecular, cellular and network levels) data-driven in silico model of the hippocampal CA1 region under Alzheimer's disease conditions

- Fr Partner in charge of electrophysiology recordings
- Lithuanian and Italian partners in charge of computational modelling

Thank you for your attention

<https://anr.fr>

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