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# Computational Neurosciences

**French National Research Agency - ANR**

*Biology and Health Department*

*Digital Sciences and Mathematics Department*

**2025 CRCNS PI Meeting**

**Anthony PETIT**

# National initiative – Generic call (AAPG)

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Evaluation panels involving projects in computational neuroscience

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*Simulation of complex biological systems using scientific and high-performance computing,  
and associated optimization*



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# International Initiatives in (Computational) Neurosciences

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# Ongoing Multilateral Initiatives in (Computational) Neurosciences

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**CRCNS**

**CRCNS**



**European Partnership BrainHealth**

# Ongoing Multilateral Initiatives in (Computational) Neurosciences

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**CRCNS**

**CRCNS**



**BrainHealth**  
*PARTNERSHIP*

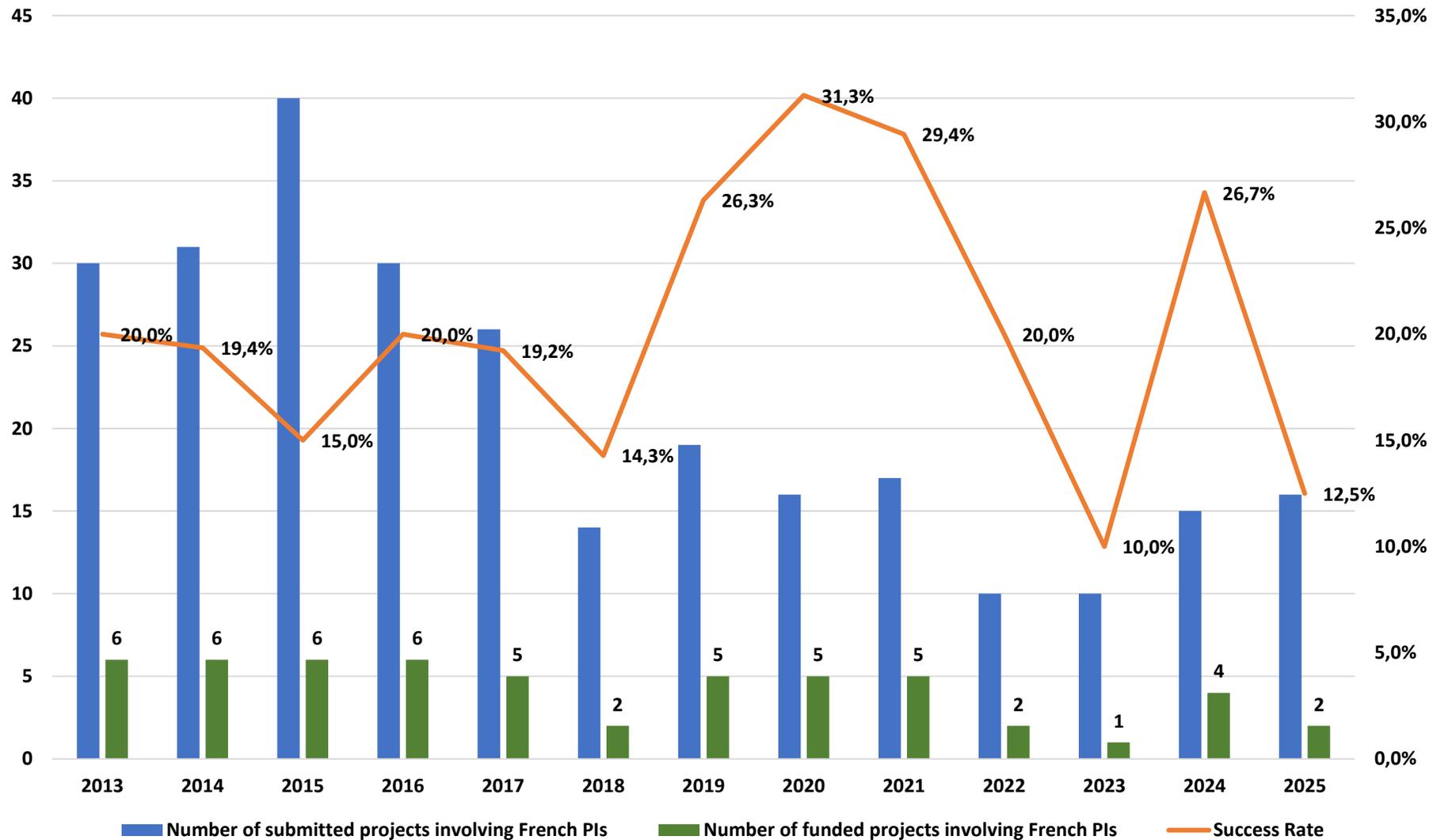
**European Partnership BrainHealth**

# CRCNS initiative - Objectives

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- **Fund excellent international research projects** in computational neuroscience (*structure and function of the nervous system, mechanisms underlying neurological diseases, computational strategies implemented by the nervous system*) that:
  - Demonstrate **strong synergy** between teams in each country
  - **Focus on multidisciplinary approaches:** biology, mathematics, computer science, engineering, etc.
- **Emphasise innovative methods**, both experimental and theoretical
- **Promote data and software sharing** across teams
- **Support cooperation between France and the United States**
  - Calls under NSF's CRCNS program are open to French partners within proposals involving at least one American partner
  - **Consortia may also include Israeli and/or Japanese partners**

# CRCNS - Funded projects involving French partners



# Ongoing Multilateral Initiatives in (Computational) Neurosciences

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**CRCNS**

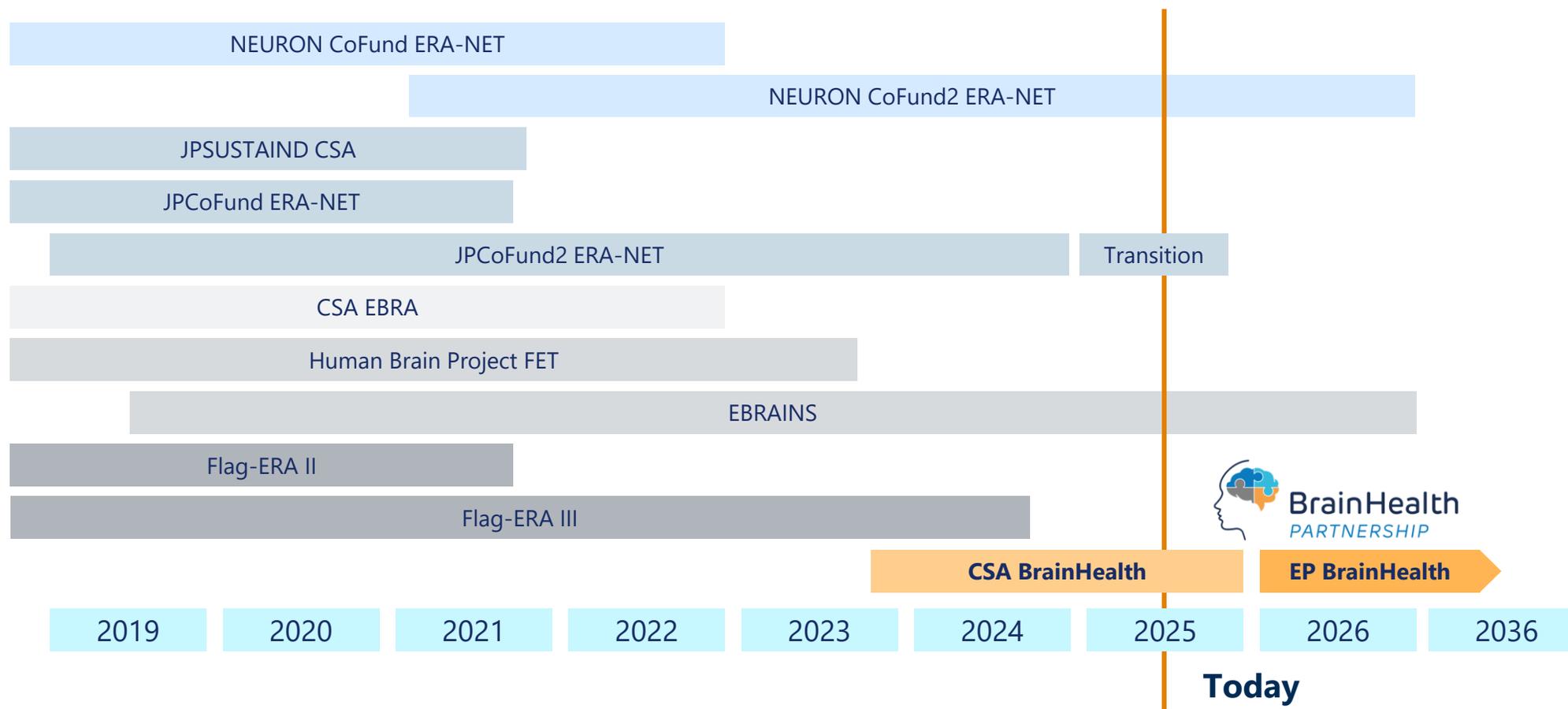
**CRCNS**



**BrainHealth**  
*PARTNERSHIP*

**European Partnership BrainHealth**

# Current landscape



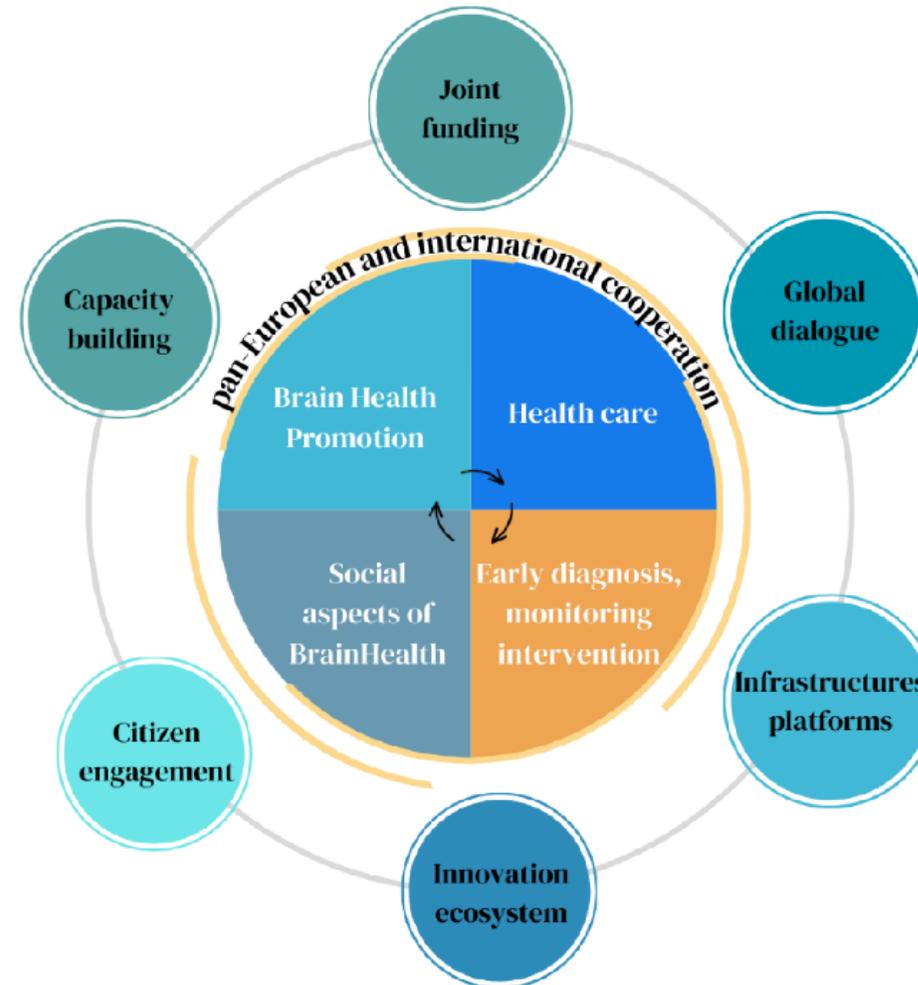
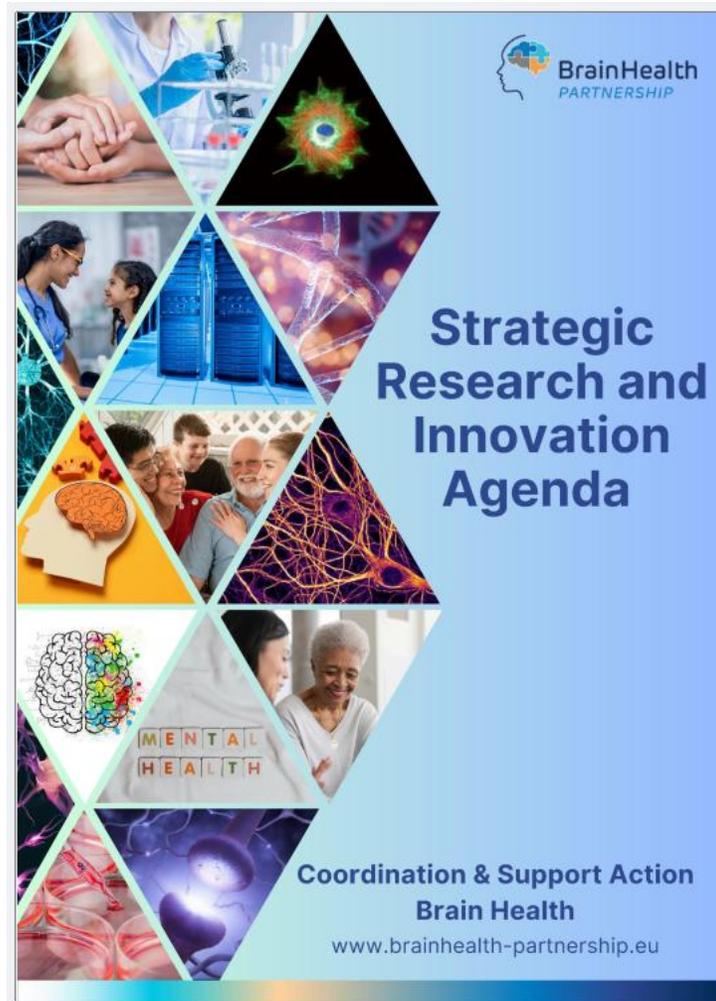
# European Partnership for Brain Health - Key facts



<b>Coordination</b>	Germany (BMBF, DLR-PT)
<b>Expected partners</b>	Primarily national funding organisations (public or private), 54 partners from 33 countries
<b>Other participants</b>	Researchers, healthcare providers/practitioners, patient organisations, the private sector, policymakers, regulators, citizens, etc.
<b>Implementation mode</b>	Co-funded European Partnership in the 2 <sup>nd</sup> Strategic Plan of „Horizon Europe“ (Cluster 1, Health)
<b>Duration</b>	7 – 10 years, starting in Q1/Q2 2026
<b>Expected EU contribution</b>	~ 100-150 Mio. €, expected contributions of Member States / Associated Countries ~ 300 – 350 Mio. €

[www.brainhealth-partnership.eu](http://www.brainhealth-partnership.eu)

# EP BrainHealth - SRIA for the future



[https://www.brainhealth-partnership.eu/wp-content/uploads/CSA\\_BrainHealth\\_SRIA.pdf](https://www.brainhealth-partnership.eu/wp-content/uploads/CSA_BrainHealth_SRIA.pdf)

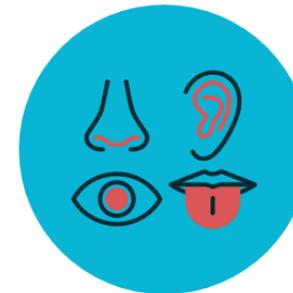
# EP BrainHealth - Themes covered



**Neurology  
(NDD and non NDD)**



**Psychiatry**



**Sensory organ  
disorders**

**Good health**



**Bad health**

International Classification of Diseases 11th Revision, the global standard for diagnostic health information

# EP BrainHealth - 2 calls in 2026

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**Umbrella-topic to start unifying communities:**  
*Biological, social and environmental factors that impact the trajectory of brain health across the lifespan*

## Call 1

**Former NEURON community:**

– in the field of neurological, mental and sensory disorders

## Call 2

**Former JPND community:**

– in the field of neurodegenerative disorders

**Call secretariat : ANR, [BrainHealthCalls@agencerecherche.fr](mailto:BrainHealthCalls@agencerecherche.fr)**

**<https://www.brainhealth-partnership.eu/jtcs-2026/>**  
**More details will be provided in the beginning of December**



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# Thank you for your attention

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