
HORIZON EUROPE: HEALTH CLUSTER: PERSONALISED MEDICINE: 2024 CALLS

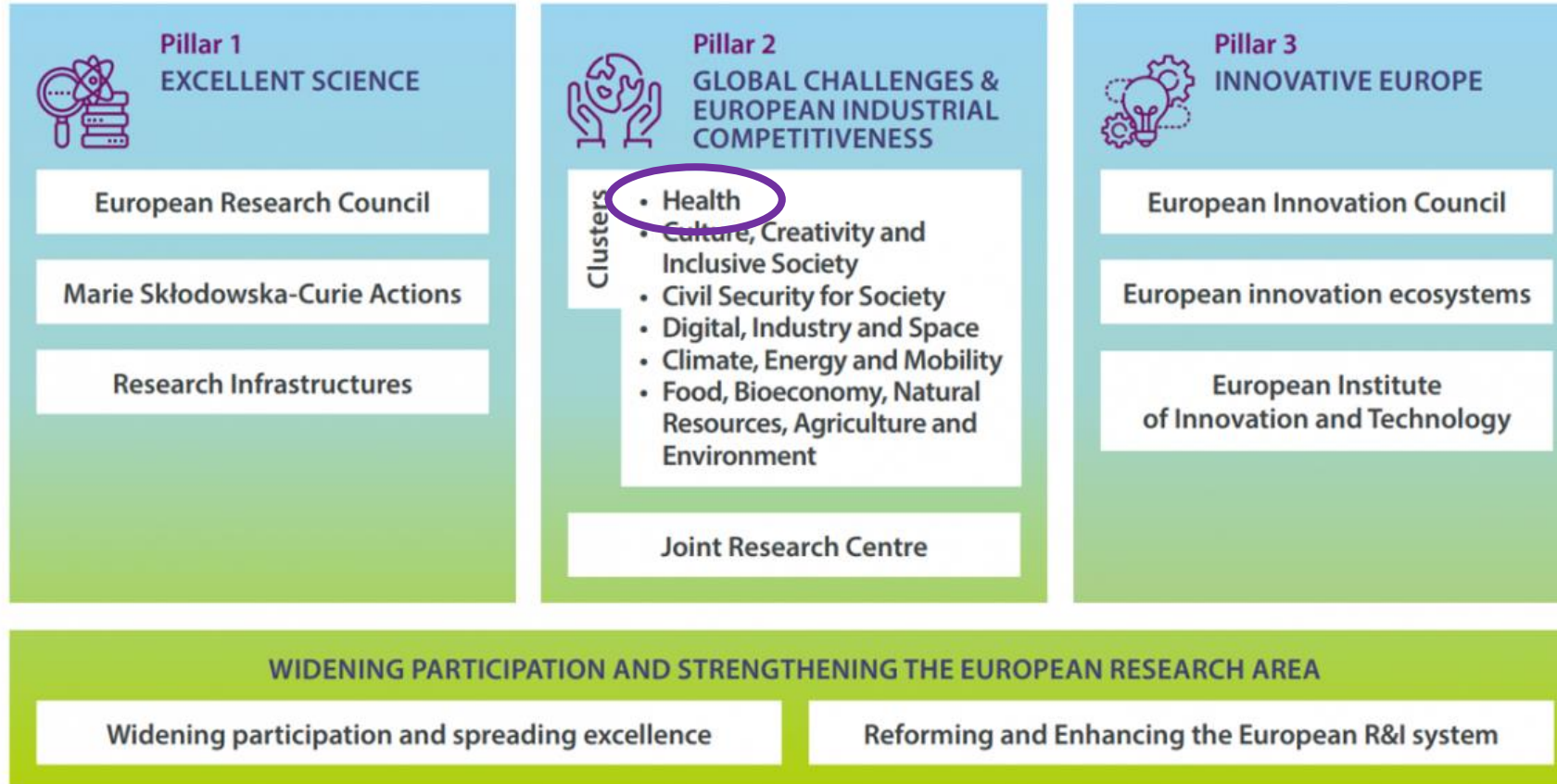
Dr. Horváth Klára

2023.12.08.



HORIZONE EUROPE

THREE PILLARS FOR IMPLEMENTATION



+



- Cancer Mission
- ERA-NETs/
Partnerships
- EIT Health KIC



HORIZONE EUROPE

- HEALTH Work Programme: 2024 calls
- Mission Work Programme: Cancer mission: 2024 calls: drafts
- Innovative Health Initiative calls + future topics
- Partnership calls
- ERA-NET calls



WP: Type of action

- **Research and Innovation Action (RIA)**
- Funding rate: 100%
- **Innovation Action (IA)**
- Funding rate: 70% (non-profit organisations: 100%)
- **Coordination and Support Action (CSA)**
- Funding rate: 100%
- Pre-Commercial Procurement (PCP)
- Public Procurement of Innovative Solutions (PPI)
- Co-Fund Partnership
- Indirect cost: 25%



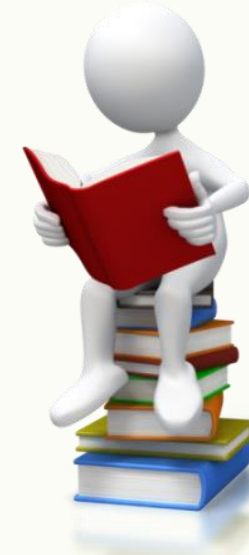
WP: Rules of participation

- **Rules of participation:** Any legal entity, regardless of its place of establishment, including legal entities from nonassociated third countries or international organisations may participate in actions.
- **Funding:** member states + associated countries + USA
- Entities shall be part of a consortium that shall include at least **three independent legal entities** each established in a different Member State or associated country and with at least one of them established in a Member State (Exception: Coordination and Support Actions may be implemented by one or more legal entities, plus specific rules for Procurement Actions).



Structure of the 2-year Work Programmes:

- Introduction
 - Destination
 - Call/year (single stage and two stage calls)
 - **Topics:**
 - Title
 - Specific Conditions related to topic (budget, type of action)
 - Expected outcome: what should be achieved from the project
 - Scope: what should be done in the project



Open now: 2024 calls single stage:

Timeline: Call opening: 26 October 2023

Deadlines: 11 April 2024



Destinations

Six “Destinations”:

- 1. **Staying healthy** in a rapidly changing society
- 2. Living and working in a health-promoting **environment**
- 3. **Tackling diseases** & reducing disease burden
- 4. Ensuring access to innovative, sustainable & high-quality **Healthcare**
- 5. Unlocking the full potential of **new tools, technologies and digital solutions** for a healthy society
- 6. Maintaining an innovative, sustainable & globally **competitive health industry**



CALL TOPICS 2024

Topic title	Type of Action	Single stage/ Two stage	Budget (Million EUR)
HORIZON-HLTH-2024-DISEASE-08-12: Pandemic preparedness and response: Maintaining the European partnership for pandemic preparedness	CSA	Single stage	2.00 (2.00/project)
HORIZON-HLTH-2024-DISEASE-08-20: Pandemic preparedness and response: Host- pathogen interactions of infectious diseases with epidemic potential	RIA	Single stage	50.00 (7-8.00/project)



CALL TOPICS 2024

Topic title	Type of Action	Single stage/ Two stage	Budget (Million EUR)
HORIZON-HLTH-2024-TOOL-11-02: Bio-printing of living cells for regenerative medicine	RIA	Single stage	25.00 (6.00- 8.00/project)



CALL TOPICS 2024

Topic title	Type of Action	Single stage/ Two stage	Budget (Million EUR)
HORIZON-HLTH-2024-IND-06-08: Developing EU methodological frameworks for clinical/performance evaluation and post-market clinical/performance follow-up of medical devices and in vitro diagnostic medical devices (IVDs)	RIA	Single stage	10.00 (8.00- 10.00/project)
HORIZON-HLTH-2024-IND-06-09: Gaining experience and confidence in New Approach Methodologies (NAM) for regulatory safety and efficacy testing – coordinated training and experience exchange for regulators	CSA	Single stage	2.00 (2.00/project)



Missions

- „Missions provide a solution, an opportunity, and an approach to address the numerous challenges that people face in their daily lives”

Professor Mariana Mazzucato



- **Connecting to citizens:** Missions will relate EU's research and innovation to society and citizens' needs, with strong **visibility and impact** to rationalise the European R&I partnerships landscape.
- A mission will consist of a portfolio of actions intended to achieve a bold and inspirational as well as **measurable goal within a set timeframe**, with impact for science and technology, society and citizens that goes beyond individual actions.



Cancer Mission



Figure 1. Intervention areas for action

5 intervention areas:

- Understand cancer, its risk factors and impact
- Prevent what is preventable
- Optimise diagnostics and treatment
- Support quality of life
- Ensure equitable access



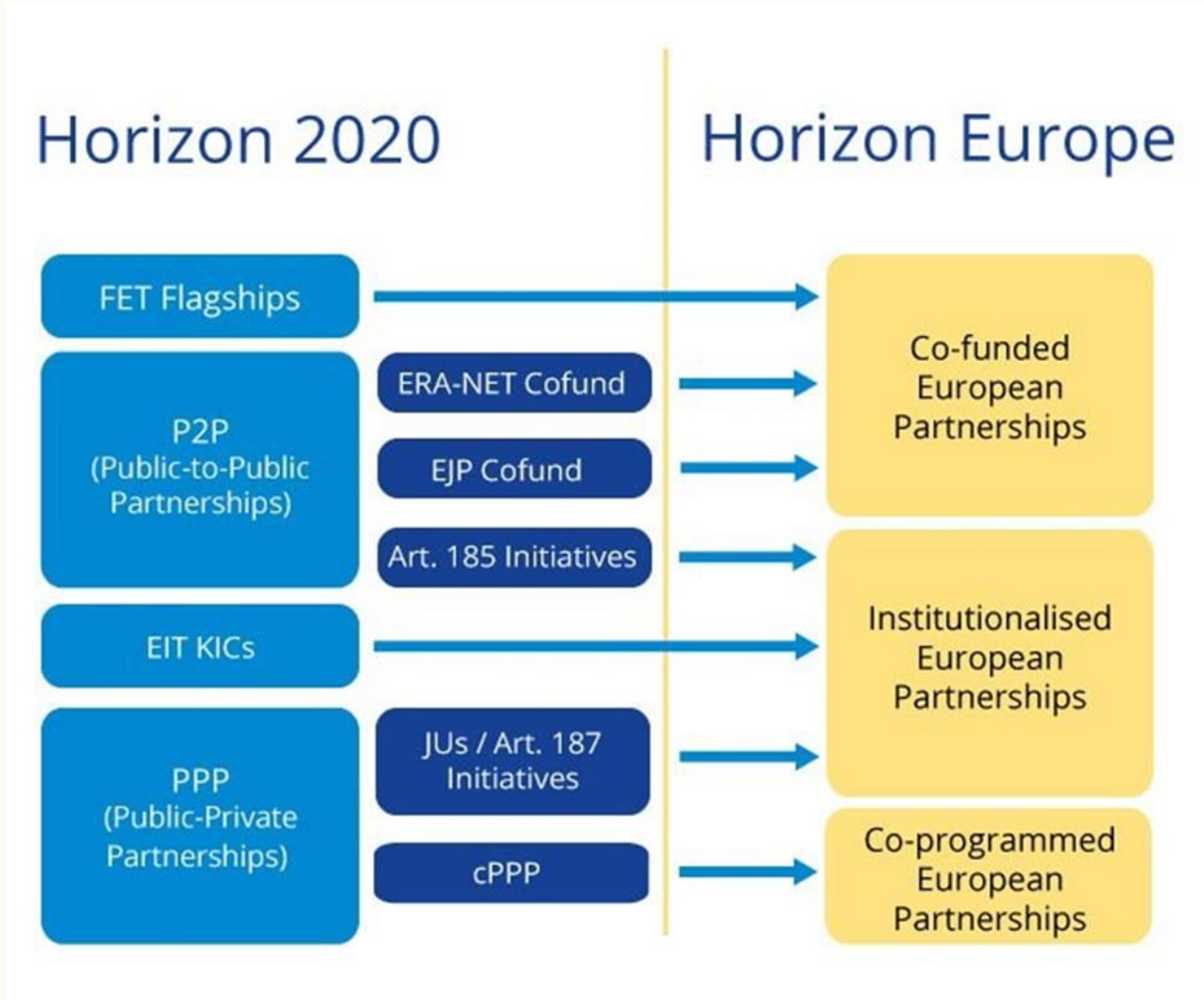
CALL TOPICS 2024



Topic title	Type of Action
Use cases for the UNCAN.eu research data platform	CSA
Support to the development of national cancer data nodes	CSA
Accessible and affordable risk predictor tests to advance early detection of heritable cancers in European regions	IA
Support a pragmatic clinical trial programme by cancer charities	CSA
Improving the understanding and management of late-effects in adolescents and young adults (AYA) with cancer	RIA
An information portal for the European Cancer Patient Digital Centre	IA



Partnerships



- to **rationalise** the European R&I partnerships landscape
- to improve the **openness and transparency** of R&I partnerships
- to **link** the R&I partnerships to future EU R&I missions and/or **strategic priorities**



Partnerships

- EU-Africa Global Health Partnership
- Innovative Health Initiative
- European Partnership for Chemicals Risk Assessment (PARC)
- ERA for Health Research
- Health and Care Systems Transformation
- Personalised Medicine
- Rare Diseases
- One Health/AMR
- Brain Health
- Preparedness
- https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe/candidates-european-partnerships-health_en

2021/2022

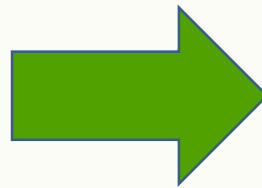
2023/2024/2025



Partnerships



- **Innovative Medicines Initiative (IMI)**
- Public-Private Partnership (PPP)
- Industry partner: EFPIA
- 2 stage calls
- Call topics: EFPIA



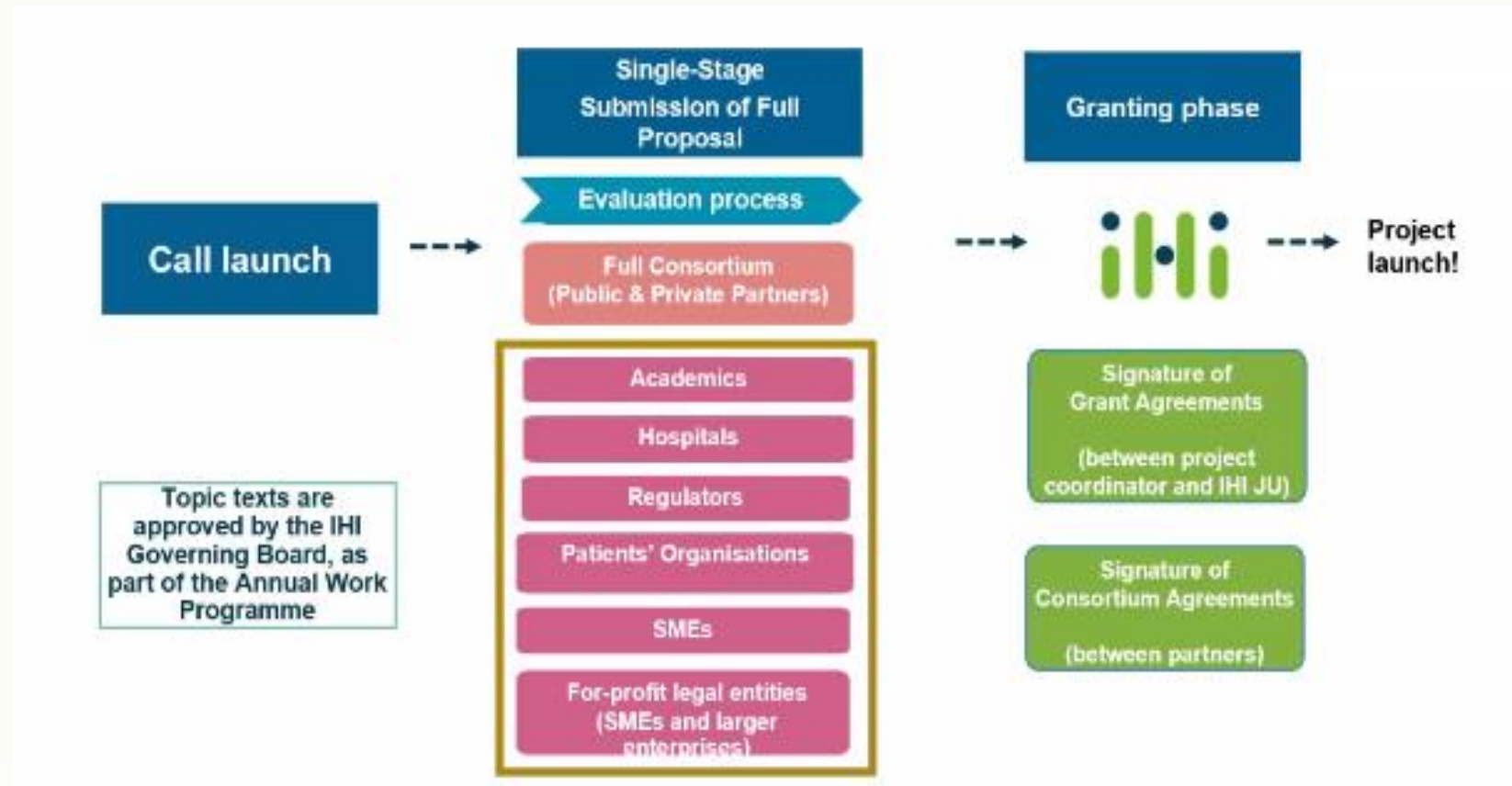
- **Innovative Health Initiative (IHI)**
- PPP
- Industry partner: EFPIA, COCIR, EuropaBio, MedTech Europe, Vaccines Europe
- 1 stage and 2 stage calls
- Innovation panel

<https://www.ih.europa.eu/>



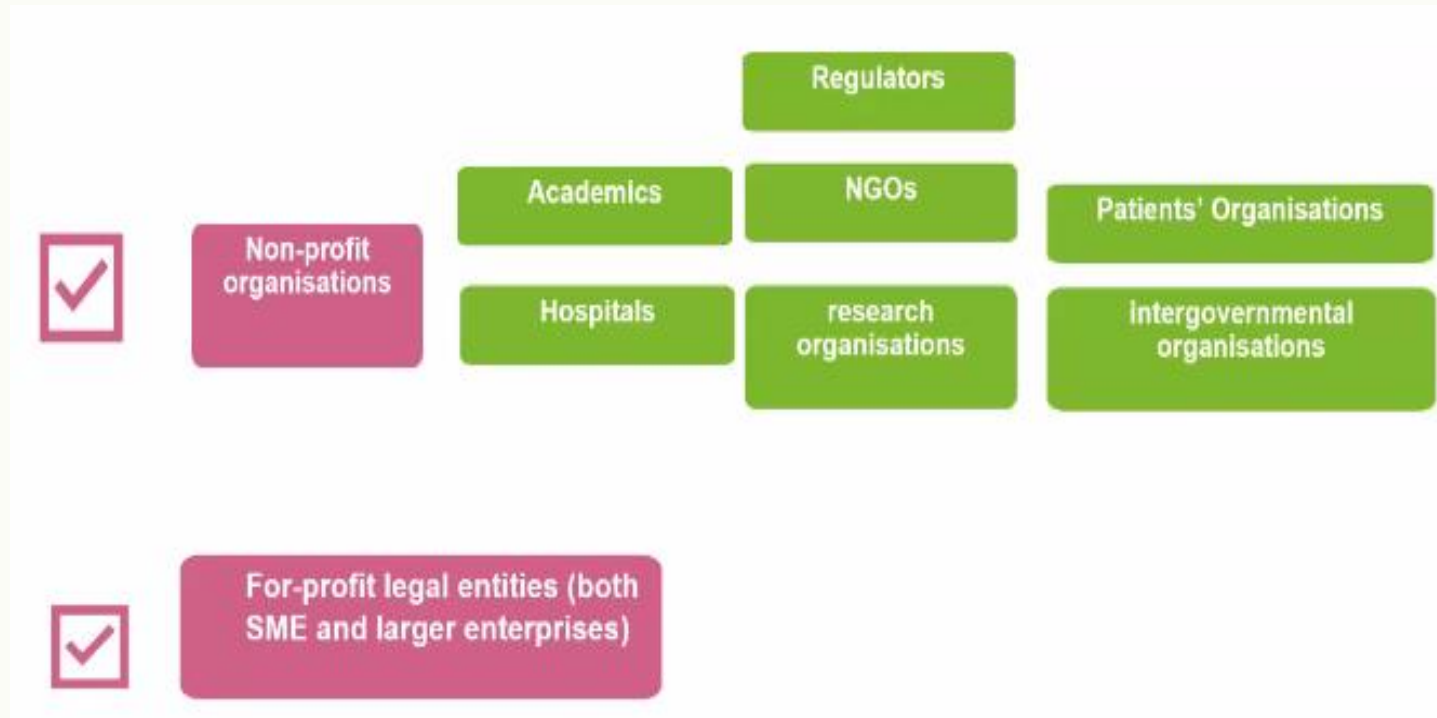
Innovative Health Initiative

- Single stage call: – very open – public and private actors self assemble and compete for funding



Innovative Health Initiative

- Eligibility for funding in single stage calls:

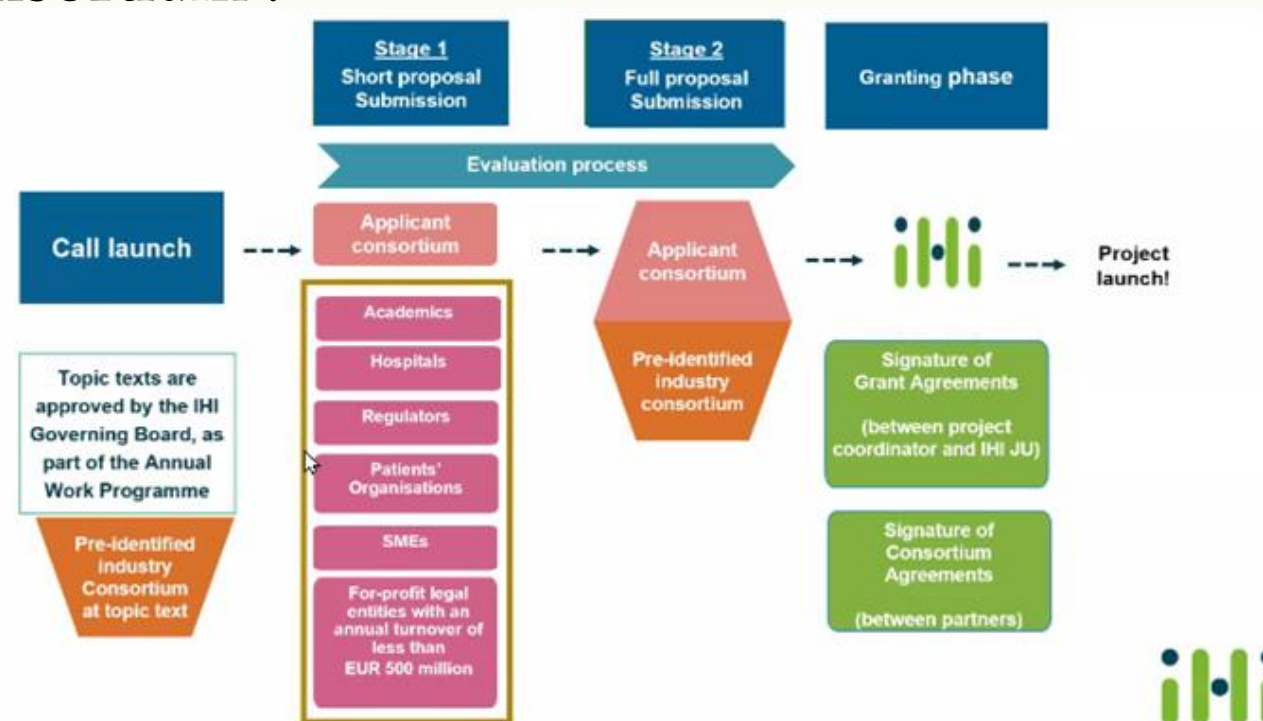


- Industry partners shall provide at least **45%** of the sum of total project eligible costs



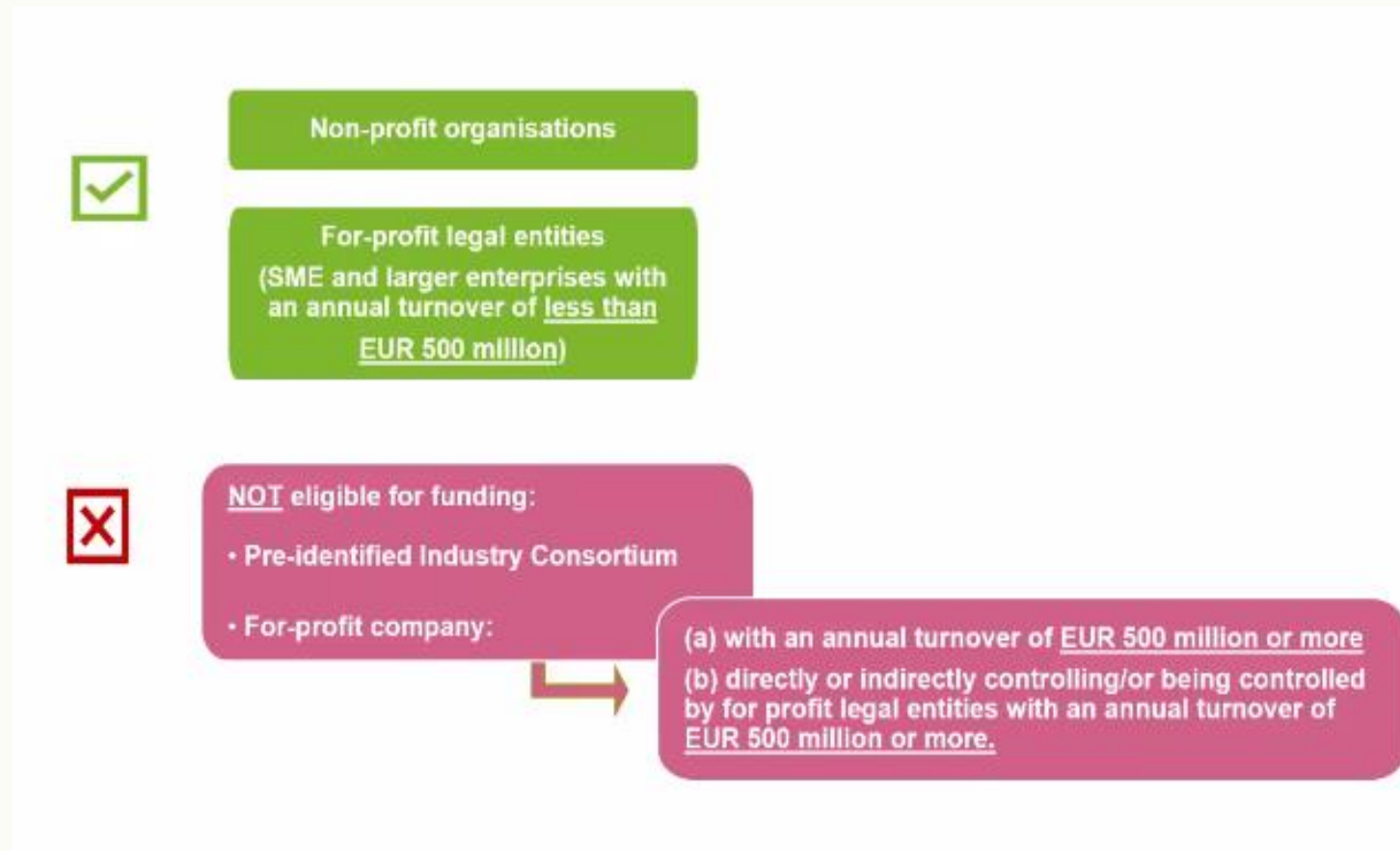
Innovative Health Initiative

- Two-stage procedure: applicant consortia must submit a short proposal for the stage 1 evaluation; the first ranked applicant consortium will be invited to prepare and submit a full proposal for the stage 2 evaluation together with the ‘pre-identified industry consortium’.



Innovative Health Initiative

- Eligibility for funding in two stage calls:



Innovative Health Initiative

Single stage call (call 5): Deadline: **16 January 2024**

Topic title	(Budget/project) Million EUR
Accelerating the implementation of New Approach Methodologies and other innovative non-animal approaches for the development, testing and production of health technologies	12.00-15.00
Development and proof of principle of new clinical applications of theranostics solutions	10.00-12.00
Improved prediction, detection, and treatment approaches for comprehensive stroke management	10.00-13.00
Maximising the potential of synthetic data generation in healthcare applications	10.00



Innovative Health Initiative

Two stage call (call 6) topics



Topic title	(Budget/project) Million EUR
Support healthcare system resilience through a focus on persistency in the treatment of chronic diseases	11.30
Development of evidence based practical guidance for sponsors on the use of real-world data / real-world evidence	13.30



Innovative Health Initiative

Single stage call (call 7) topics



Topic title	(Budget/project) Million EUR
Improving clinical management of heart disease from early detection to treatment	12.50
User-centric technologies and optimised hospital workflows for a sustainable healthcare workforce	12.50
Clinical validation of biomarkers for diagnosis, monitoring disease progression and treatment response	15.00



ERA-NET and Partnership calls 2024

- JPND ERA-NET
- NEURON ERA-NET
- JPIAMR ERA-NET
- TRANSCAN ERA-NET
- PERMED Partnership
- ERA4HEALTH Partnership



- Hu participants: **2019-2.1.7-ERA-NET / 2023-1.2.2-HE_PARTNERSÉG**
- <https://nkfi.gov.hu/palyazoknak/nkfi-alap/era-net-ejp-cofund-2019-217-era-net/palyazati-felhivas-2019-217-era-net>
- <https://nkfi.gov.hu/palyazoknak/nkfi-alap/horizont-europa-europai-partnersegek-magyar-szervezetek-tamogatas-a-2023-122-he-partnerseg/palyazati-felhivas>



ERA-NET and Partnership calls 2024

- Smaller consortia (3 – 6/7 partners)
- Up to 3 years
- 2 stage calls
- Easier application
- International evaluation
- Different countries!
- Widening actions
- Budget: **300 000 EUR**



ERA4HEALTH Partnership



- Call 2024: Nanomedicine:
„Nano and advanced technologies for disease prevention, diagnostic and therapy”
(NANOTECEMEC)
- a) Regenerative medicine
- b) Diagnostics
- c) Nanotherapy
- Deadline for pre-proposals: **30 January 2024**; for full-proposals: **13 June 2024**
- <https://era4health.eu/nanotecmec-2024/>



PERMED Partnership



- Call 2024:

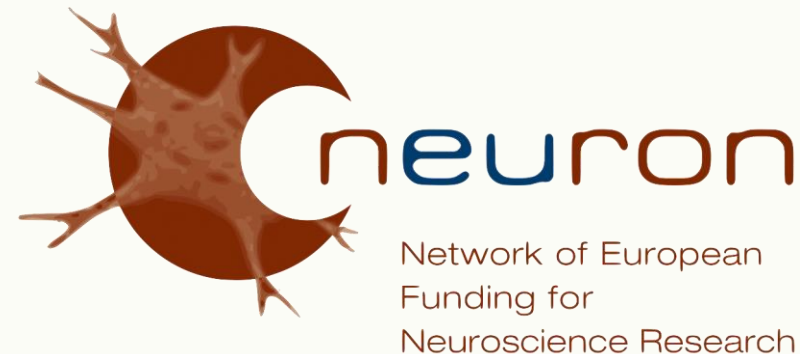
„Identification or Validation of Targets for Personalised Medicine Approaches”

- Launch: **January 2024**
- <https://www.eppermed.eu/jtc2024/>



NEURON ERA-NET

- Call 2024:
“Biderctional brain-body interactions”
- Launch: **January 2024**
- https://www.neuron-eranet.eu/wp-content/uploads/JTC2024_preliminary_announcement_Dec23.pdf



JPND ERA-NET



- Call 2024:

„Mechanisms and measurement of disease progression in the early phase of neurodegenerative diseases”

- Launch: **January 2024**
- <https://neurodegenerationresearch.eu/pre-call-announcement-for-jpnd-2024-call-mechanisms-and-measurement-of-disease-progression-in-the-early-phase-of-neurodegenerative-diseases/>





- Call 2024: AMR Interventions
- “Interventions Moving forward to Promote *ACT*ion to counteract the emergence and spread of bacterial and fungal resistance and to improve treatments”
- Launch: **January 2024**
- Webinar for applicants: **24 January 2024**
- <https://www.jpiamr.eu/calls/amr-interventions-call-2024/>



Important websites

- Open calls:
 - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>
- EU research results:
 - <https://cordis.europa.eu/>
- EU research and innovation data: Horizon Dashboard
 - <https://webgate.ec.europa.eu/dashboard/sense/app/93297a69-09fd-4ef5-889f-b83c4e21d33e/sheet/a879124b-bfc3-493f-93a9-34f0e7fba124/state/analysis>
- Register as experts:
 - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>
- Horizon Europe:
 - <https://www.horizonteuropa.nkfi.gov.hu/>





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