



## **Board of Funders**

Brussels, 22<sup>nd</sup> November 2019

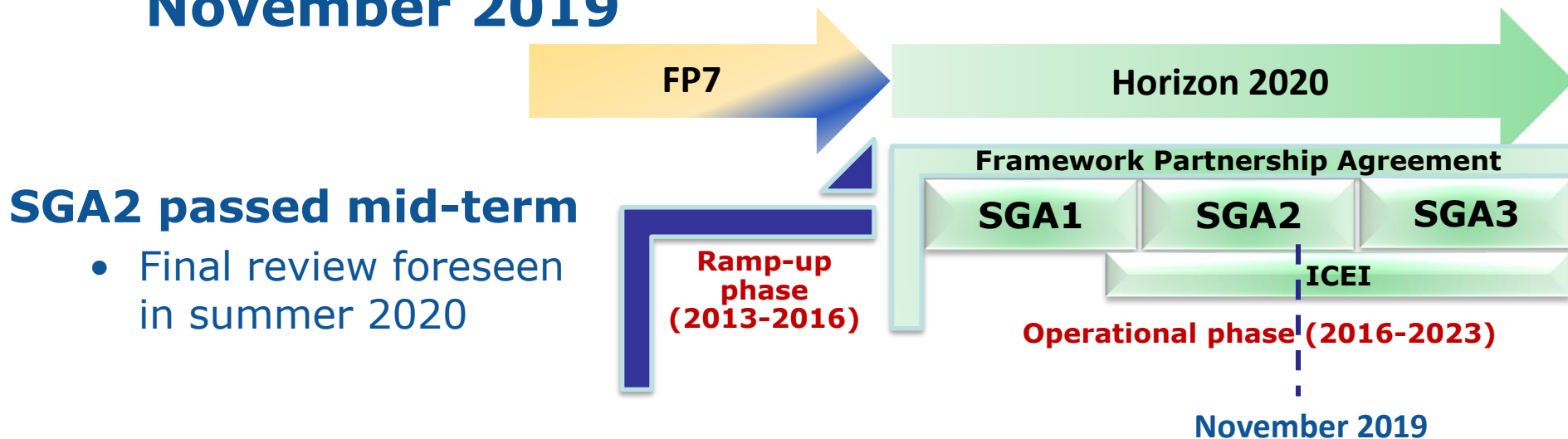
# **Human Brain Project Flagship**

## **State of play**

Flagship Unit  
DG Connect, European Commission

# HBP - Administrative status

## November 2019



## SGA3 preparation

- Proposal submitted, 150M€, covering Apr 2020 - Mar 2023 (3yr)
- Evaluation ongoing**
  - Results will be communicated to the FET Programme Committee by the end of the year
- Grant agreement preparation: Jan-Mar 2020

# HBP - Preparing for SGA3

## A streamlined WP structure aimed at:

- Developing a Research Infrastructure for neurosciences (EBRAINS)  
→ ESFRI roadmap application foreseen as part of SGA3
- Focusing on central scientific questions demonstrating the advantage of EBRAINS

## S&T topics:

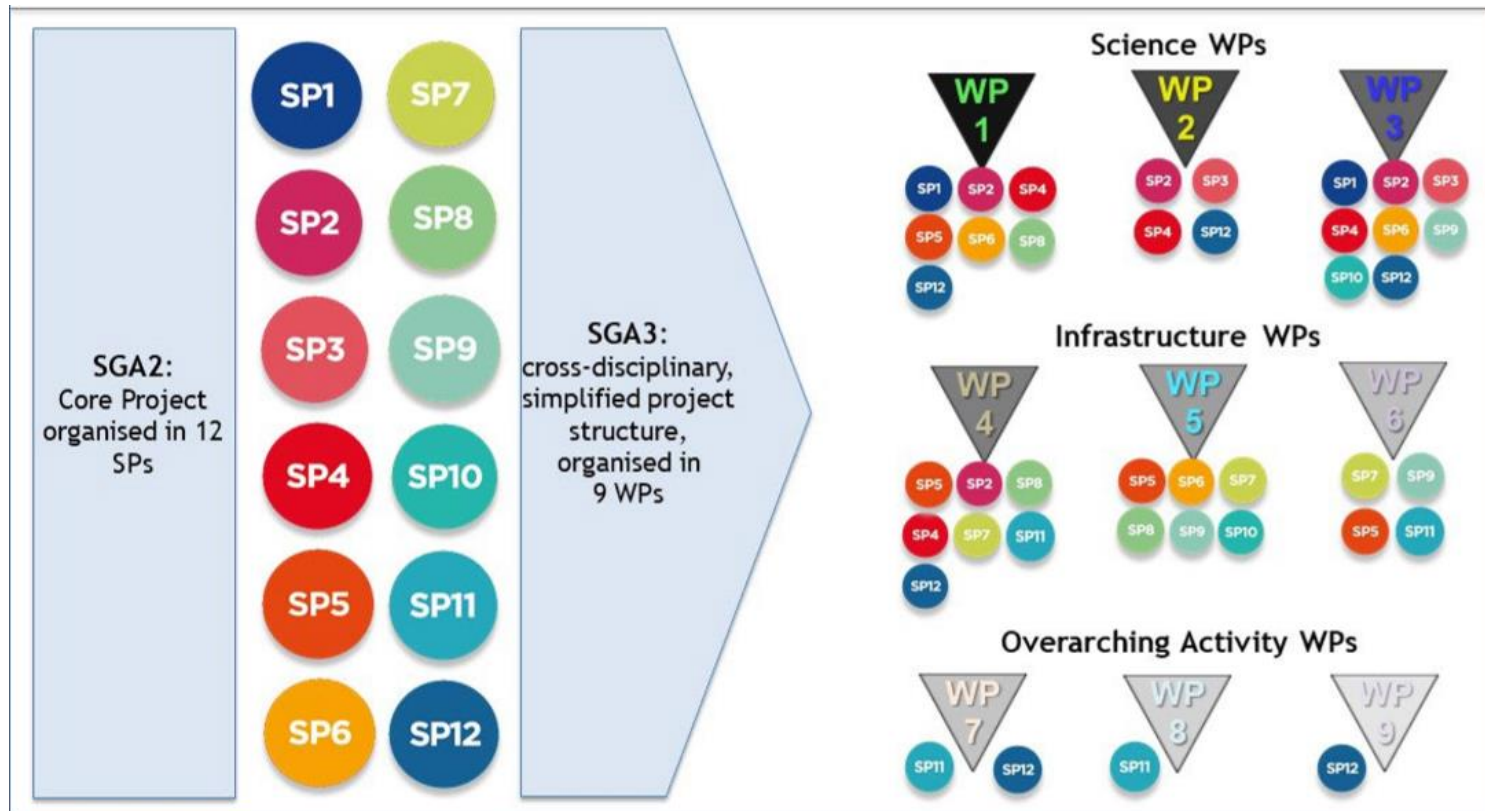
- i. The human multiscale brain connectome and its variability – from synapses to large-scale networks and function
- ii. Networks underlying brain cognition and consciousness
- iii. Adaptive networks for cognitive architectures: From advanced learning to neurorobotics and neuromorphic applications

## EBRAINS services:

- i. EBRAINS Data Services
- ii. EBRAINS Modelling Services
- iii. EBRAINS Computing Services

**Impact on the Consortium: 81 partners in SGA3 vs. 133 in SGA2**

# From SPs of SGA2 to WPs in SGA3



# HBP - Preparing for SGA3

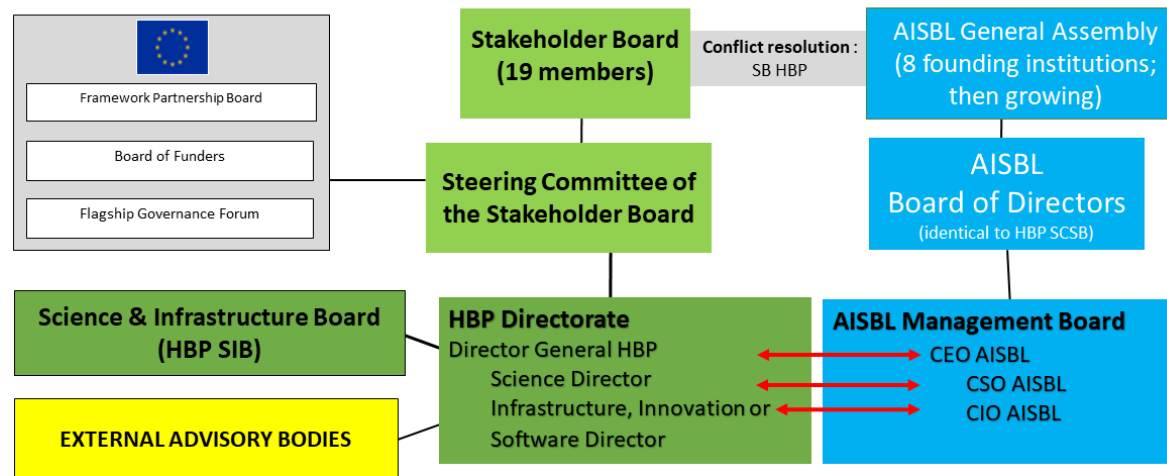
**Calls for expression of interest (CEoI) for including new expertise in the Consortium: total budget EUR 7,1M**

- CEoI 1: Validation and Inference  
(preproposal ddl 4/11; budget: EUR 700K for 1 proposal)
- CEoI 2: Brain atlas and simulation engine adapter construction  
(preproposal ddl 4/11; budget: EUR 450K for 1 proposal)
- CEoI 3: Whole brain multi-parametric imaging using invasive and non-invasive recordings  
(preproposal ddl 4/11; budget: EUR 450K for 1 proposal)
- CEoI 4: Rodent microcircuits  
(preproposal ddl 4/11; budget: EUR 900K for 1 proposal)
- CEoI 5: Cellular Level Models For HPC Simulation Call  
(preproposal ddl 6/11; budget: EUR 900K for 2 proposals)
- CEoI 6: Application of visual scene understanding models to robotics use-cases of industrial relevance (preproposal ddl 7/11; budget: EUR 800K for 1 proposal)
- CEoI 7: Integration of symbolic processing into the cognitive architectures  
(preproposal ddl 7/11; budget: EUR 800K for 1 proposal)
- CEoI 8: Data and models for studying the neural basis of cognition  
(preproposal ddl 13/11; budget: EUR 1,3M for 1 proposal)
- CEoI 9: Data and models for the understanding of consciousness  
(preproposal ddl 13/11; budget: EUR 800K for 1 proposal)

# HBP - governance

In the context of preparing the sustainability of EBRAINS, HBP is establishing a governing **Legal Entity: AISBL** based in Brussels..

It is targeted to have it **fully operational as the coordinator of the HBP Grants by the start of SGA3**. This requires a shift of coordination workforce from Geneva to Brussels.



**Governance of AISBL for the duration of HBP**

Legend : AISBL HBP

# HBP – Legal Entity creation

## 6 founding members

+Italy (CNR) likely to join

| Country     | Institution |
|-------------|-------------|
| France      | CEA         |
| Germany     | Juelich     |
| Norway      | UiO         |
| Spain       | UPM         |
| Sweden      | KTH         |
| Switzerland | EPFL        |

## Registration & administrative steps

AISBL registered in Belgium

Positive opinion on 22 Oct, Royal Decree pending publication in OJ

## Initial financing

Each founding member contributes 150k€ initially

## Recruitment of the CEO (to become the HBP Director General)

Announcement published (Nature, The Economist, Euraxess,...)

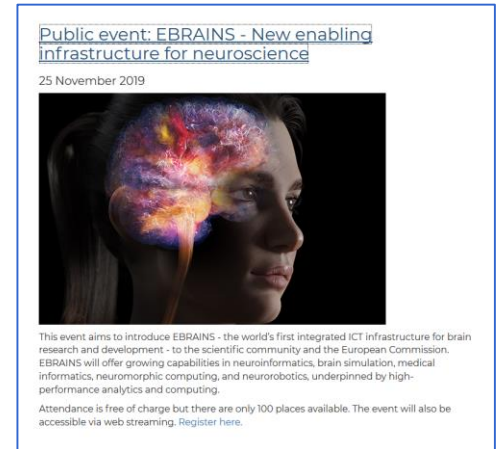
Closing 1<sup>st</sup> of December 2019

Job description: <https://bit.ly/2M7M6eJ>

# Events: HBP – EBRAINS website <https://ebrains.eu> and hands-on!

Launch and workshops for users at the  
HBP EBRAINS DAYS

**25<sup>th</sup>-28<sup>th</sup> November 2019 in Heidelberg (DE)**



<https://www.humanbrainproject.eu/en/follow-hbp/news/join-us-for-the-hbp-ebrains-brain-days-in-heidelberg/>

Tools and services in EBRAINS are assisting  
scientists to:

- ✓ **collect, analyze, share, and integrate brain data**
- ✓ **perform modelling and simulation of brain function**
- ✓ **run closed loop AI and robotics experiments**

All this with the support of HPC capacities (provided by Fenix/ICEI)



# HBP – Cordis result pack



<https://cordis.europa.eu/article/id/401587-cordis-results-pack-on-the-brain/en>