

HBP- EBRAINS Bootcamp

Brain-technology ventures Fundraising

Brussels May 30th -31st





Objectives of the event

- To discover some of the most relevant brain-technologies developed in HBP - EBRAINS
- To explore together opportunities to invest in different HBP start-up initiatives
- To discuss on entrepreneurship critical issues: barriers to overcome and opportunities to explore



Practical notes

- Agenda and dynamics of this two-days event: visions, mentoring, pitch sessions, discussions
- Useful material (dossier) is available from the start-ups
- Privacy, confidentiality, disclosure
- Logistics



<u>AGENDA</u>

DAY 1 (May 30th)		
11:00h - 11:15h	Welcome and introduction to day 1	
11:15h - 11:30h	Tour de table	
11:30h - 13:00h	Teresa De-Martino EC Scientific Officer Human Brain Project	5 min
	Pawel Swieboda CEO EBRAINS: EBRAINS challenges	5 min
	Steven Vermeulen CIIO EBRAINS: EBRAINS Innovation challenges	10 min
	Guillermo Velasco HBP Innovation team: HBP Innovation achievements	10 min
	Andreas Lymberis - EISMEA - EIC Challenge-based Accelerator: EIC vision	30 min
	Investors: Funders' vision	30 min
13:00h - 13:30h	Roundtable - Debate	
13:30h - 14:30h	Lunch & networking	
14:30h - 15:00h	HBP established start-ups: Entrepreneurs' vision	
15:00h - 15:45h	Fundraising mentoring	
15:45h - 16:45h	Pitch mentoring	
16:45h - 17:45h	Pitch practice	
17:45h - 19:00h	Wrap-up and transport arrangements	
19:00h - 21:00h	Networking dinner	

DAY 2 (May 31#)				
09:30h - 10:00h	Introduction to day 2			
10:00h - 11:00h	Presentation of investors			
	Asabys Partners SPAIN - Antonio Limatola			
	NLC The European Healthtech Venture Builder NETHERLANDS - Ciara Henessy			
	Angels Santé FRANCE - Caroline Amblard-Sai (on-line)			
	ECS Capital Partners USA - Charles Sidman			
	Machine Ventures USA - Sri Rao, Alberto Calero	- 1		
	Broadreach Global USA - Christian Suojanen	- 1		
	Other EU - TBC	- 1		
11:00h - 12:00h	PITCH PROJECT 1 + Investors' inquiries	5 + 15 min		
	The Virtual Brain (TVB)- Health Data Cloud			
	Petra Ritter	1 1		
	PITCH PROJECT 2 + Investors' inquiries	5 + 15 min		
	Neuromorphic computing mechanism for low-energy edge/loT applications			
	Michael Hopkins, Jakub Fil			
	PITCH PROJECT 3 + Investors' inquiries	5 + 15 min		
	Neuroscientific simulation tool, & inspection of AI spiking neural networks			
	Jens Bruchertseifer, Sebastian Spreizer			
12:00h - 12:10h	Coffee break			
12:10h - 13:30h	PITCH PROJECT 4 + Investors' inquiries	5 + 15 min		
	Medical Informatics Platform			
	Birgit Schaffhauser, Evita Mailli			
	PITCH PROJECT 5 + Investors' inquiries	5 + 15 min		
	Collaborative Brain Wave Analysis Pipeline			
	Giulia De Bonis, Robin Gutzen			
	PITCH PROJECT 6 + Investors' inquiries	5 + 15 min		
	Light-sheet microscopy ""Clepio Biotech"			
	Taiana Deodato, Alessandra Franceschini	5 + 15 min		
	PITCH PROJECT 7 + Investors' inquiries	5 + 15 min		
	Cutting-edge platform for early identification of new drug candidates			
43.301 44.301	Rui Ribeiro			
13:30h - 14:30h 14:30h - 16:00h	Lunch & networking	10 + 20 min		
14:50n - 16:00n	PITCH START-UP 1+Investors' inquiries	10+20 min		
	"VB Tech" The Virtual Epileptic Patient Jean Marc Ferrier			
	PITCH START-UP 2 + Investors' inquiries	10 + 20 min		
		10+2011111		
	"Intrinsic Powers" Tracking & recovering of consciousness in clinical practice. Marcello Massimini			
	PITCH START-UP 3 + Investors' inquiries	10 + 20 min		
	* PITCH STAKE-UP 3 + Investors Inquines "Phosphoenix" Prosthesis for blindness			
	Bert Monna, Lisa Kirchberger			
16:00h - 16:30h	Final remarks & closing			
20.0011 - 20.3011	Time remarks or crossing			

Tour de table

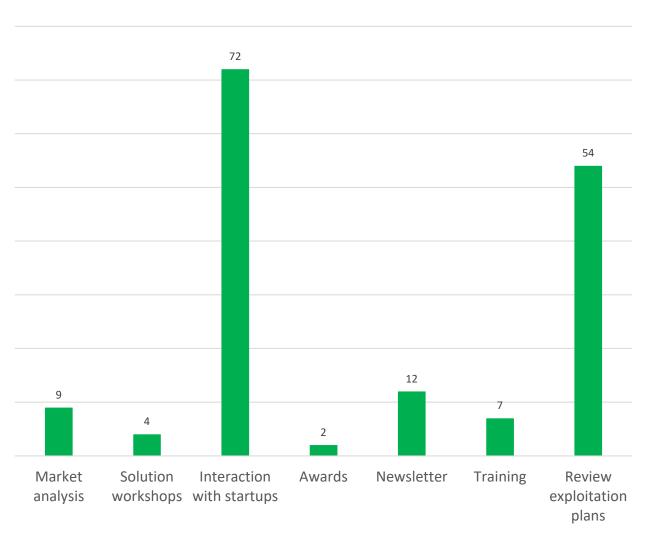


HBP Innovation achievements

- How do we support Innovation? The HBP Innovation team
- What is the overall HBP innovation performance? some figures
- Where is European brain-innovation happening?

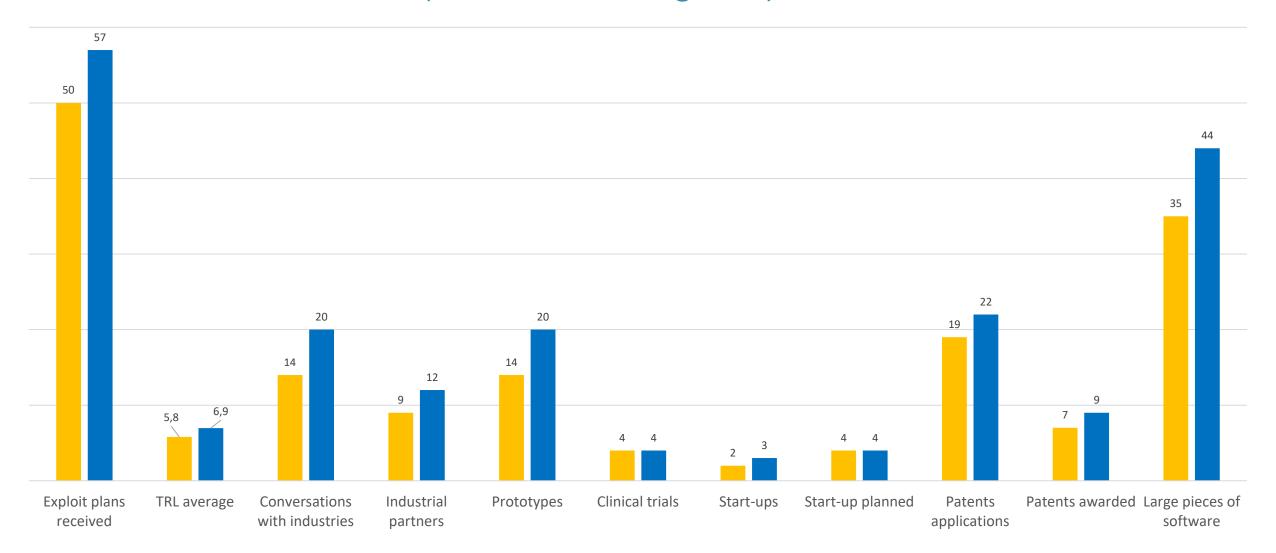


HBP Innovation team activity (last 18 months)

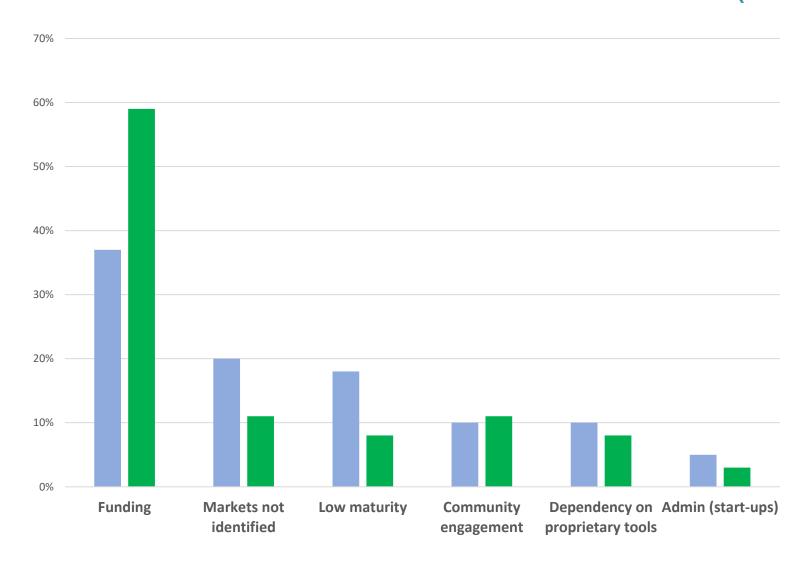




Overall innovation & exploitation performance 12 months – evolution (accumulated figures)

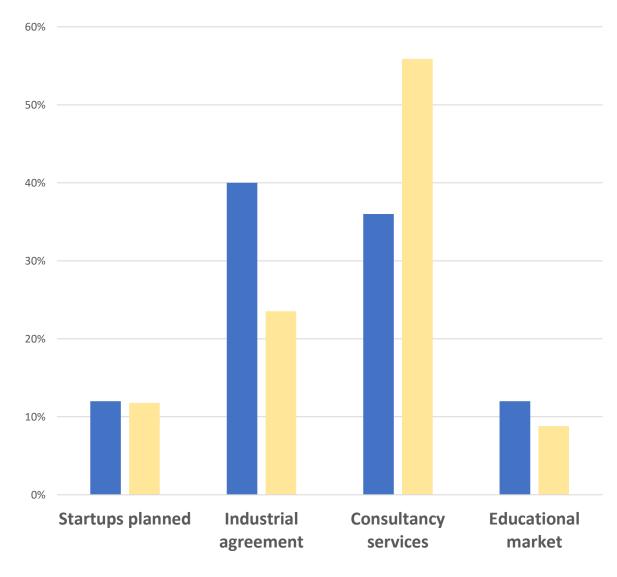


Perceived barriers of innovation (12 months evolution)



- Funding availability is the most important barrier for exploitation
- Funding concerns are clearly increasing during the last phase of the project compared with other types of barriers
- Markets and users are now better identified (market analysis provided should have helped)
- Scaling in the technology readiness levels (TRL) is gradually making groups more confident on the exploitation possibilities of their tools

Exploitation mode (planned) (%) (12 months evolution)



- HBP researchers' interest in setting up a company (startup or spin-off) is moderate
- In general, the HBP groups seem to prefer delivering consultancy services in the future, rather than signing long agreements with industry
- There is some potential in the Neuroscience educational market





AN OVERVIEW OF EMERGING BRAIN-TECHNOLOGY DEVELOPMENTS AND INDUSTRIAL INITIATIVES

> **GUILLERMO VELASCO** UNIVERSIDAD POLITÉCNICA DE MADRID

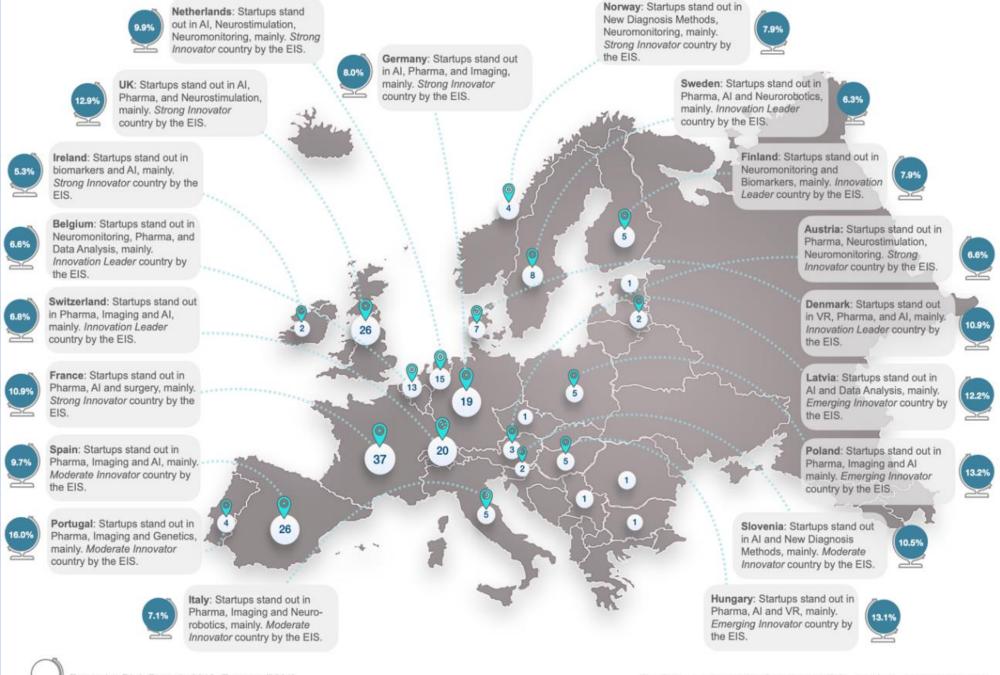
HBP TECHNOLOGY TRANSFER AND INNOVATION TEAM





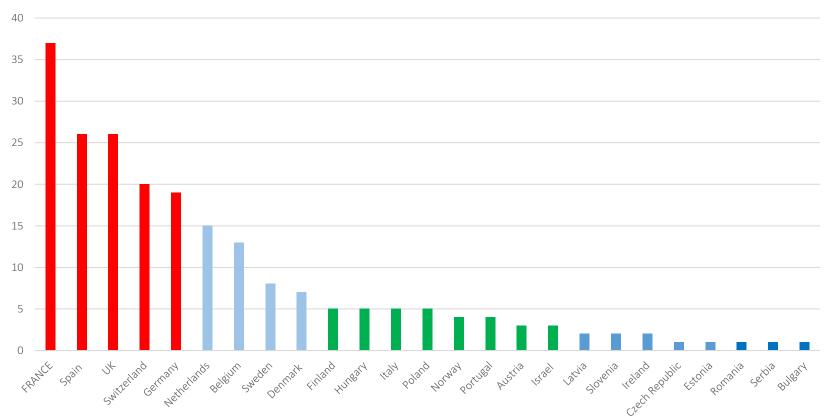






(216BRAINSTART-UPSIDENTIFIED, <10YEARSOLD)

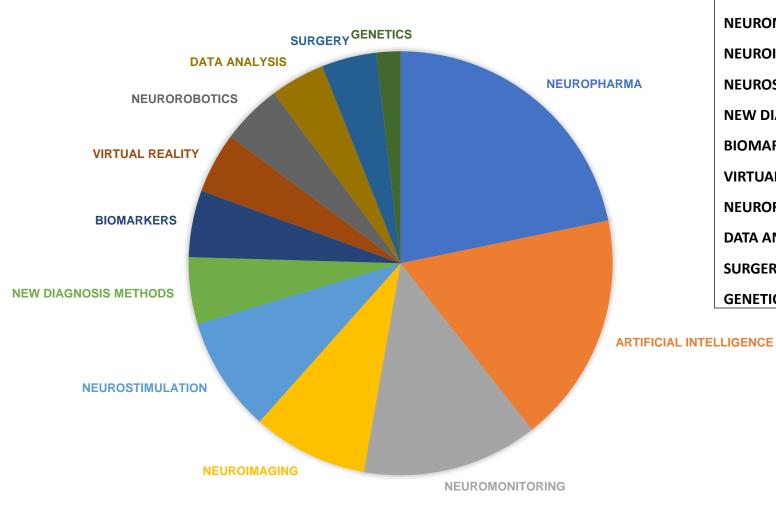






(216BRAINSTART-UPSIDENTIFIED)

AREA OF WORK

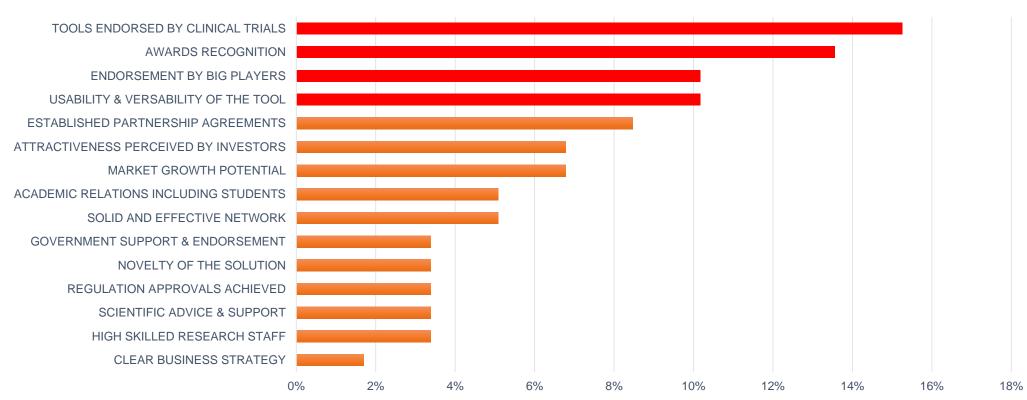


NEUROPHARMA	22%
ARTIFICIAL INTELLIGENCE	17%
NEUROMONITORING	13%
NEUROIMAGING	9%
NEUROSTIMULATION	9%
NEW DIAGNOSIS METHODS	5%
BIOMARKERS	5%
VIRTUAL REALITY	5%
NEUROROBOTICS	5%
DATA ANALYSIS	4%
SURGERY	4%
GENETICS	2%



(216BRAINSTART-UPSIDENTIFIED, <10YEARSOLD)

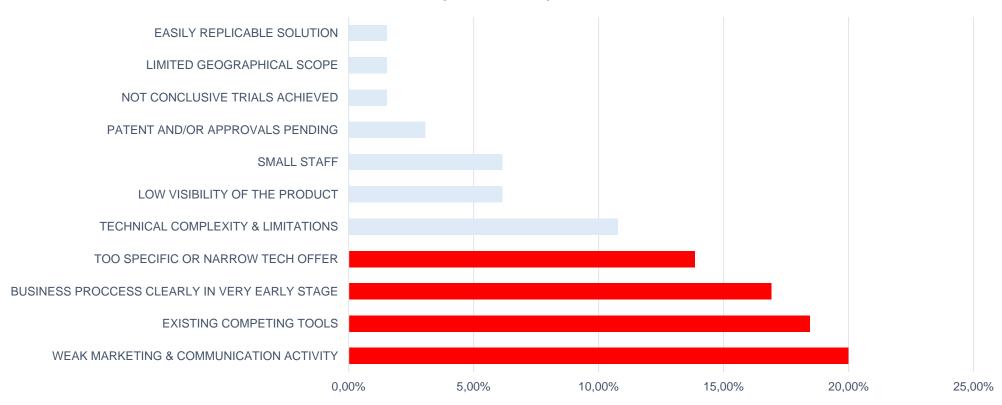
MAIN STRENGHTS IDENTIFIED IN (<10 YEARS) EUROPEAN BRAIN TECH START-UPS





(216BRAINSTART-UPSIDENTIFIED, <10YEARSOLD)

MAIN WEAKNESSES IDENTIFIED IN (<10 YEARS) EUROPEAN BRAIN TECH START-UPS





Founders' vision

- Opinion on how brain technologies market will evolve, and why to invest on it
- Differences with other industrial/medical areas
- Differences among countries, economies, US, EU



Round table

- In your opinion, what are the major challenges that brain-tech start-ups initiatives must address?
- Why do you find brain-technology and neurocomputing interesting areas to invest?
- What are the most promising areas to focus on?





Thanks

Contact email: guillermo.velasco@upm.es

