

To question.
To move forward.
To transform.



**Universitat
Pompeu Fabra**
Barcelona

**Cascade Funding de la UE:
Oportunitats de finançament per
al sector industrial**
Febrer, 2024

UPF An urban **public** university in the heart of Barcelona

3 spheres
campus



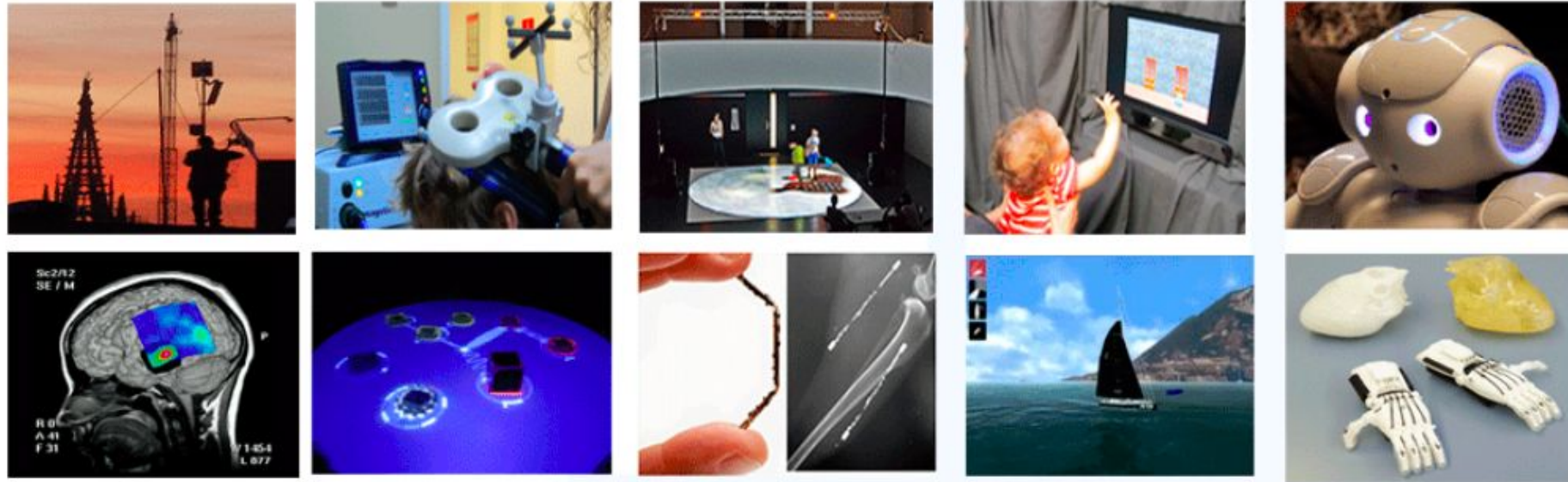
Ciutadella campus:
Social Sciences and Humanities
(+Inf. Tech.:
Centre for Brain
& Cognition - CBC)



Mar campus:
Health and Life Sciences



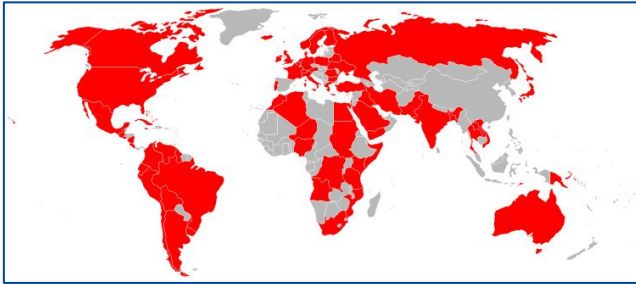
Poblenou campus:
Communication, Translation and
**Information
Technologies**



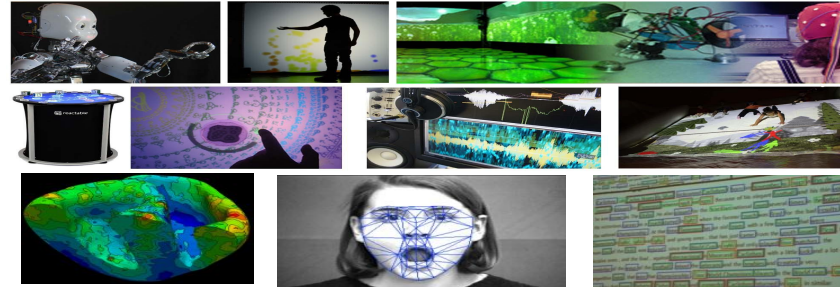
School of Engineering / Department of Information and Communication Technologies (DTIC)

Key values

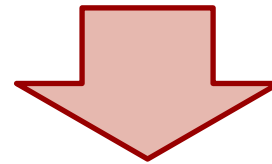
Highly international



Interdisciplinary



Research orientation



- ✓ **Research-driven** university department
- ✓ Research strongly **defines its policies**
- ✓ **Interdisciplinarity** in the department to represent the reality of current cutting-edge research in ICT and become its competitive edge

23 Research Groups: 5 Research Areas

- Image Processing
- Sound & Music computing
- 3D Graphics, AR, Computer Vision
- HCI, Educational Technologies

- Foundations of Computer Science
- Artificial intelligence (planning, natural language processing, CV, ML, robotics...)
- Ubiquitous computing
- Web science & social computing

- Computational Neuroscience
- Speech acquisition & perception; Language cognition
- Theoretical & Cognitive neuroscience
- Multisensory;
- Infant Reasoning, Cognition

Multimedia
Technologies
(4 groups)

Computation &
Intelligent Systems
(5 groups)

Brain & Cognition
(5 groups)

Networks
& Communications
(4 groups)

Computational Biology
& Biomedical Systems
(5 groups)

The Center for Studies in
Artificial and Natural
Intelligence (CeSANI)

- Wireless Networks
- Information Theory and Coding
- Cybersecurity
- Network Technologies policy aspects and Strategies
- Internet of Things

- Medical Imaging & modelling of biomedical systems
- Analysis of biomedical data
- Instrumentation & biomedical electronics
- Computational simulation & biomechanics
- Nonlinear signal analysis in biological systems



AI-BOOST

Delivering the next level of European
AI Open competitions

AI-BOOST project

Universitat Pompeu Fabra

Horizon Europe 2023-2027



Funded by
the European Union

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Overview

Create and run highly replicable AI open innovation competitions that attract the outstanding talent all over EU and Associated Countries, to drive scientific progress in the major AI Areas.

The project will foster collaboration between the key stakeholders in AI community to define attractive AI challenges with the potential to lead trustworthy and human-centric real-world solutions.

- 42 months | September 2023 – February 2027
- Total Budget for prizes: 1.070.000 €

<https://aiboost-project.eu>

HORIZON-CL4-2023-HUMAN-01-CNECT Grant agreement ID: 101135737



Large AI Grand Challenge

Open invitation for Europe's Generative AI community, designed as a big competition to spark the creativity of visionaries and founders from Europe.

Large-scale AI models refer to a new generation of general-purpose AI systems that can adapt to various domains and tasks without significant modification

- This competition was carefully planned to focus on European startups and SMEs deeply involved with large-scale AI models.
- Prize: 250,000€ and an allocation of 2 million GPU hours in the EuroHPC facilities per each of the 4 winners
- Closed on February 13th with 94 finalized applications (+250 applications)
- Winners announced in Mid-April

<https://aiboost-project.eu/large-ai-grand-challenge/>

AI Open Innovation Challenges

Round 1

Topics: Mobility, Industry 5.0, internet and media

Co-creation Phase: July to September 2024

Open Call Phase: October to December 2024

Round 2

Topics: mHealth, Green energy, ?

Co-creation Phase: September to November 2025

Open Call Phase: December 2025 to January 2026

AI Open Innovation Challenges



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Prizes (per challenge)

Spark Phase (open to all participants): 8 winners will be selected - 5.000€ each

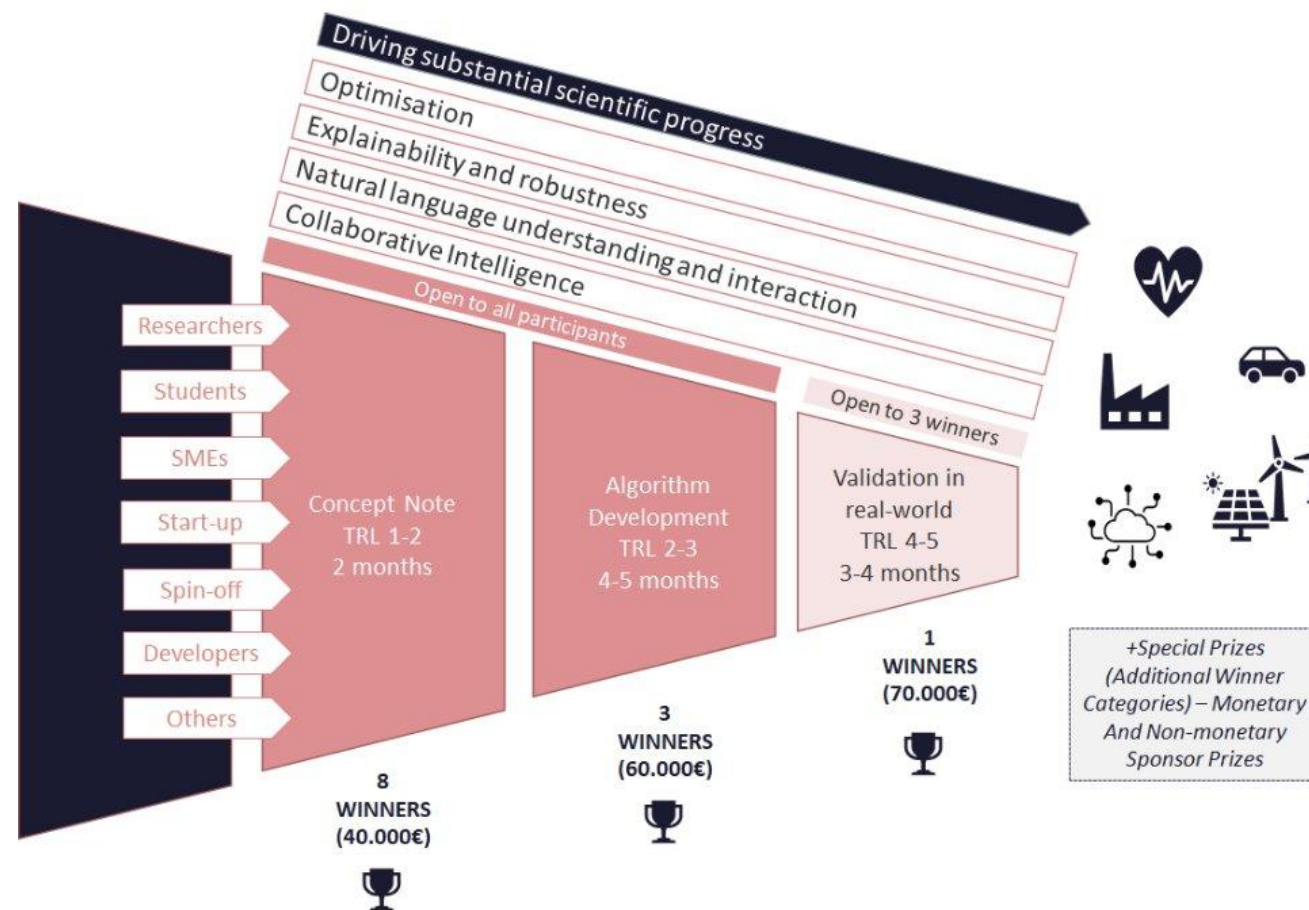
Development Phase (open to all participants): 3 winners will be selected - 20.000€ each

Demo Phase (open to winners from Development Phase): 1 winner only - 70.000€

Additional prizes: 25.000€ - (e.g., woman innovator, social innovation, higher green contribution)

Total prize from AI-BOOST: 1.050.000€

Target: Startups, SMEs, individuals, academia from EU Member states + HE associated countries



Co-creation phase

Working groups per topic

Multi-stakeholder working groups to define challenges

Benefit of participating

Contribute to the definition of the challenge that aligns company's own challenge.

Level of involvement

Participate into an interview, two workshops and contribute in the writing of the challenge statement and guidelines.

** Companies participating in the definition of challenges cannot compete in the challenge*

Open call contribution

Data Providers

Data providers are stakeholders that want to introduce their own problems to be tackled with datasets that allow applicants to compete to solve the defined challenge.

Real datasets are expected to be provided in the DEMO phase through an NDA and data anonymization process.

Sponsors

Companies could be also act as sponsors on each of the challenges.

A sponsorship schema will be shared soon.

General benefits

The AI-BOOST Project is a priority under the European Commission plan for supporting Trustworthy AI ecosystem

Benefits to participate in the co-creation:

- share identified challenge at European ecosystem level,
- see disruptive proposed solutions that may solve identified challenge,
- access to European network of experts

Benefits to participate in the prize challenge competition:

- visibility at a European level,
- access to funding to test disruptive ideas,
- access to European network of experts in the area
- priority access to solutions and information about applicants



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Thank you

www.aiboost-project.eu

Contact us: info@aiboost-project.eu



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