





PRESENTAZIONE DEI BANDI A CASCATA FAIR

Le opportunità del Partenariato PNRR Future Al Research per le imprese

4 marzo 2024

Illustrazione dei Bandi a cascata FAIR

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Presidente Comitato Tecnico Scientifico FAIR

organizzato da



in collaborazione con



con il supporto operativo di











FAIR Objectives

In line with the **National Strategic Program for AI**, FAIR aims to:

- Advance frontier research in Al to make Italy a global research and innovation hub of Al;
- Reduce Al research fragmentation;
- Create human-centered, trustworthy and sustainable Al;
- Foster Al-based innovation and development of Al technology;
- Create, retain attract Al talent in Italy.









FAIR Research Program

To achieve FAIR goals, we have designed a very ambitious **multidisciplinary research** program to design and build future AI systems that are capable of:

- interacting and collaborating with humans;
- perceiving and acting within evolving contexts;
- being aware of their own limitations and able to adapt to new situations;
- interact appropriately in complex social settings;
- being aware of their perimeters of security and trust;
- being attentive to the **environmental and social impact** that their implementation and execution may entail.

The research program is implemented by 10 spokes, under the coordination of a Hub: **the FAIR Foundation**









SPOKE 1 - HUMAN-CENTERED AI

SPOKE 2 - INTEGRATIVE AI

SPOKE 3 - RESILIENT AI

SPOKE 4 - ADAPTIVE AI

SPOKE 5 - **HIGH-QUALITY AI**

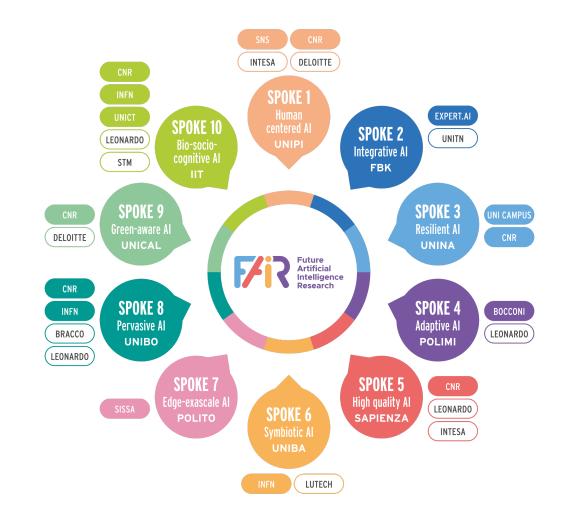
SPOKE 6 - SYMBIOTIC AI

SPOKE 7 - EDGE/EXASCALE AI

SPOKE 8 - **PERVASIVE AI**

SPOKE 9 - GREEN-AWARE AI

SPOKE 10 - SUSTAINABLE AND BIO-COGNITIVE AI

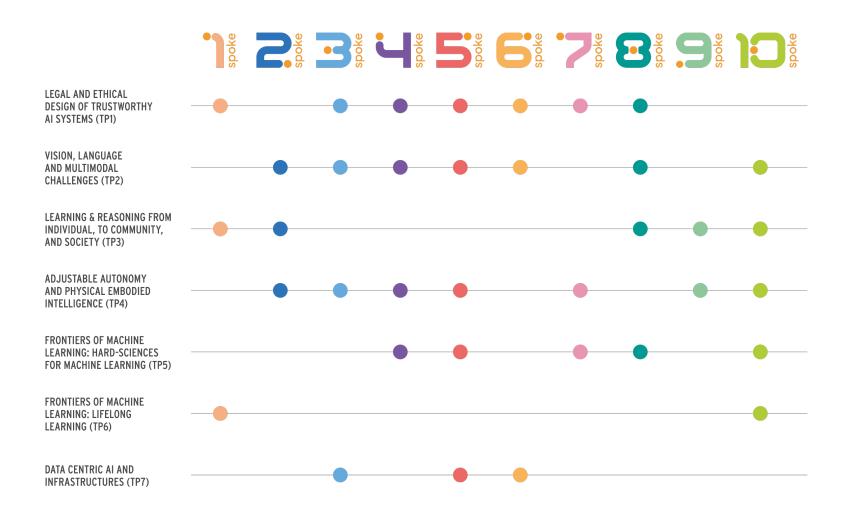












Transversal Projects

Coordination among the spokes is based on "Transversal Projects", i.e., inter-spoke activities

Transversal Projects aim to coordinate activities on relevant inter-spoke challenges which involve specific communities of researchers belonging to different spokes.

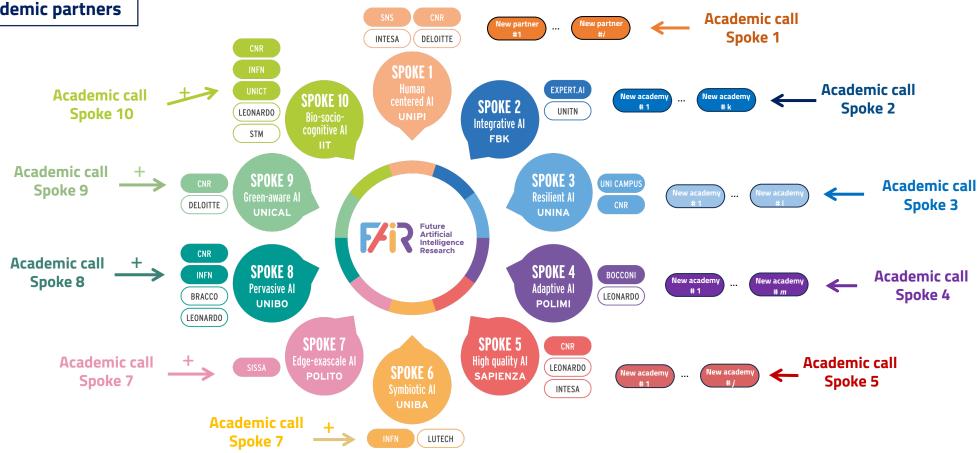








Cascade Calls for Academy (ongoing)
Expected [30-50] new academic partners











From Research to Innovation

FAIR innovation activities focus on the 11 priority sectors defined in the Italian Strategic Program for Artificial Intelligence and each Spoke will focus its activities on some priority sectors.

		SPOKE 1	SPOKE 2	SPOKE 3	SPOKE 4	SPOKE 5	SPOKE 6	SPOKE 7	SPOKE 8	SPOKE 9	SPOKE 10
Sectors of Ital Strategy	Industry and Manufacturing		X		X	X		X	X	Χ	X
	Education system								X		
	Agri-food		X	X		Χ				Χ	
	Culture and tourism			X		X					X
	Health and Wellbeing	Χ	X	X	X		X		Χ		X
	Environment, infrastructures and networks									Χ	X
	Banking, Finance, and Insurance	×					X	×	X		
	Public Administration	×				X					Χ
	Smart cities, areas and communities	×	X	X			X	X		Χ	
	National Security	×						X			
	Information Technologies				Χ	Χ	Χ				

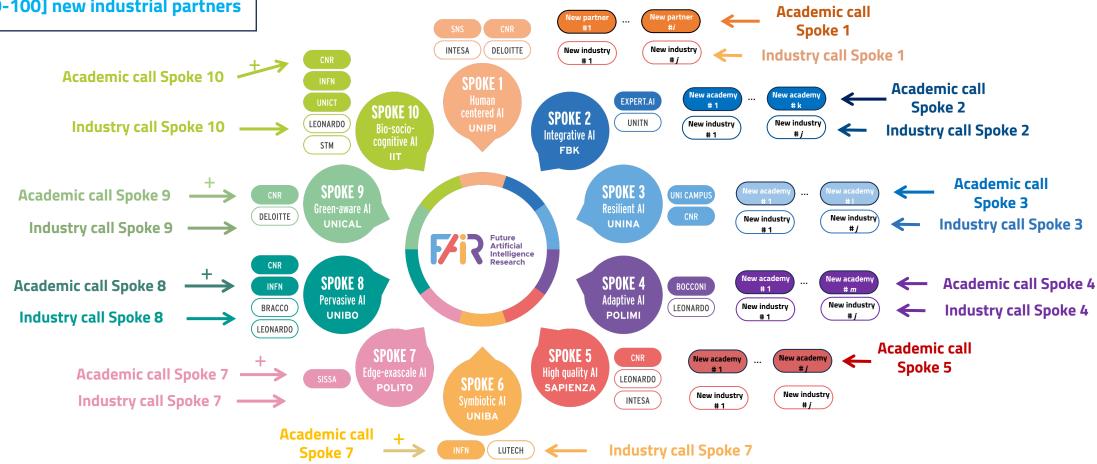








Cascade Calls for Industry (open soon)
Expected [50-100] new industrial partners











From Research to Innovation: the FAIR Ecosystem

FAIR Ecosystem: we are working to promote the creation of an Italian AI ecosystem involving, in addition to the pubblic and private partners that are already members of FAIR, other research institutions, citizens and companies:

We have already received many expressions of interest of public and private entities to collaborate with FAIR:

PA entities:

- Tuscany Region government and its economic programming agency IRPET;
- Innovapuglia S.p.A;
- The National Cybersecurity Agency (ACN);
- Istituto Superiore di Sanità;
- The ICCD institute of the Italian Ministry of Culture;
- CONSOB;
- SOGEI;
- •

Private entities: More than 100 companies, and 20+ startups and spin-offs

The first step in collaborating with FAIR