PRESENTAZIONE DEI BANDI A CASCATA FAIR

Le opportunità del Partenariato PNRR Future AI Research per le imprese

4 marzo 2024

Illustrazione dei Bandi a cascata FAIR

Marco Conti
Presidente Comitato Tecnico Scientifico FAIR
FAIR Objectives

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

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

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<thead>
<tr>
<th>Priority Sectors of Italian AI Strategy</th>
<th>SPOKE 1</th>
<th>SPOKE 2</th>
<th>SPOKE 3</th>
<th>SPOKE 4</th>
<th>SPOKE 5</th>
<th>SPOKE 6</th>
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<td>Culture and tourism</td>
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<td>Smart cities, areas and communities</td>
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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 public 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