SAIFA at a Glance

Project Overview

Co-funded by the European
High Performance Computing Joint Undertaking
(EuroHPC JU) under grant agreement No 101263280.

Facts and Figures

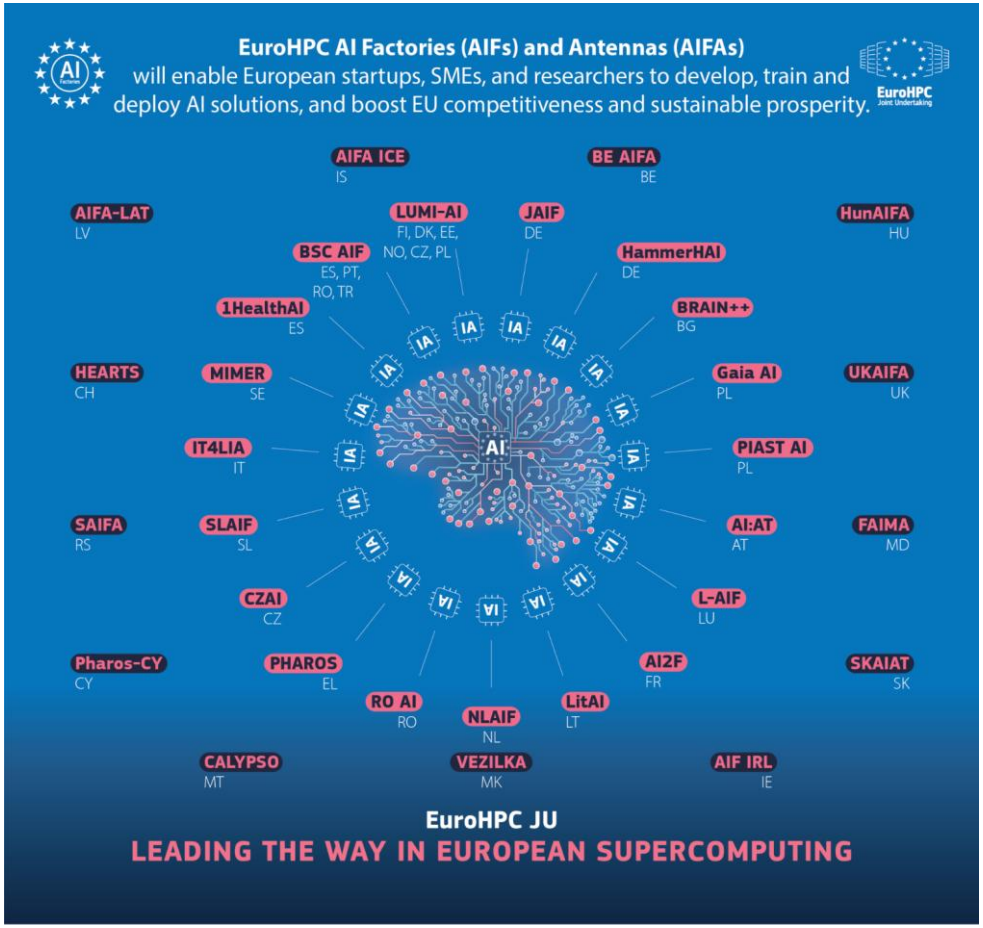
Project name:	Serbian Artificial Intelligence Factory Antenna
Call:	HORIZON-JU-EUROHPC-2025-AIFA-01 (EuroHPC AI Factory Antennas)
Number:	101263280
Coordinator:	prof. dr. Boško Nikolić, School of Electrical Engineering, University of Belgrade
Start:	01/05/2026
Duration:	36 months
Total Costs:	€3 862 010,00
Funding:	€1 931 004,00
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Partners

- School of Electrical Engineering, University of Belgrade [ETF]
- Institute of Physics [IPB]
- Institute Mihajlo Pupin [IMP]
- Institute for Artificial Intelligence Research and Development of Serbia [IVI]
- Faculty of Science, University of Kragujevac [FSUKG]
- Institute of Molecular Genetics and Genetic Engineering, University of Belgrade [IMGGE]
- Metropolitan University – Faculty of Economics, Finance and Administration [FEFA]

SAIFA Mission

- **Networking with** EuroHPC AI factories and antennas to promote integrated operations and coordinate activities across various national and European initiatives, including EuroHPC Centres of Excellence (CoEs), Testing and Experimentation Facilities (TEFs), European Digital Innovation Hubs (EDIHs), the European Open Science Cloud (EOSC), European Data Spaces, **and related ongoing projects.**
- Connects the Serbian national hub to EuroHPC AI Factories (Pharos, IT4LIA).



SAIFA Vision

- Position Serbia as a regional leader in responsible and trustworthy AI development and use
- Build a National hub (by utilizing the national HPC resources) for supporting the full lifecycle of AI innovation
- Provide access to computing resources, AI tools, curated datasets, and consulting services
- Support academia, public administration, startups, and industry



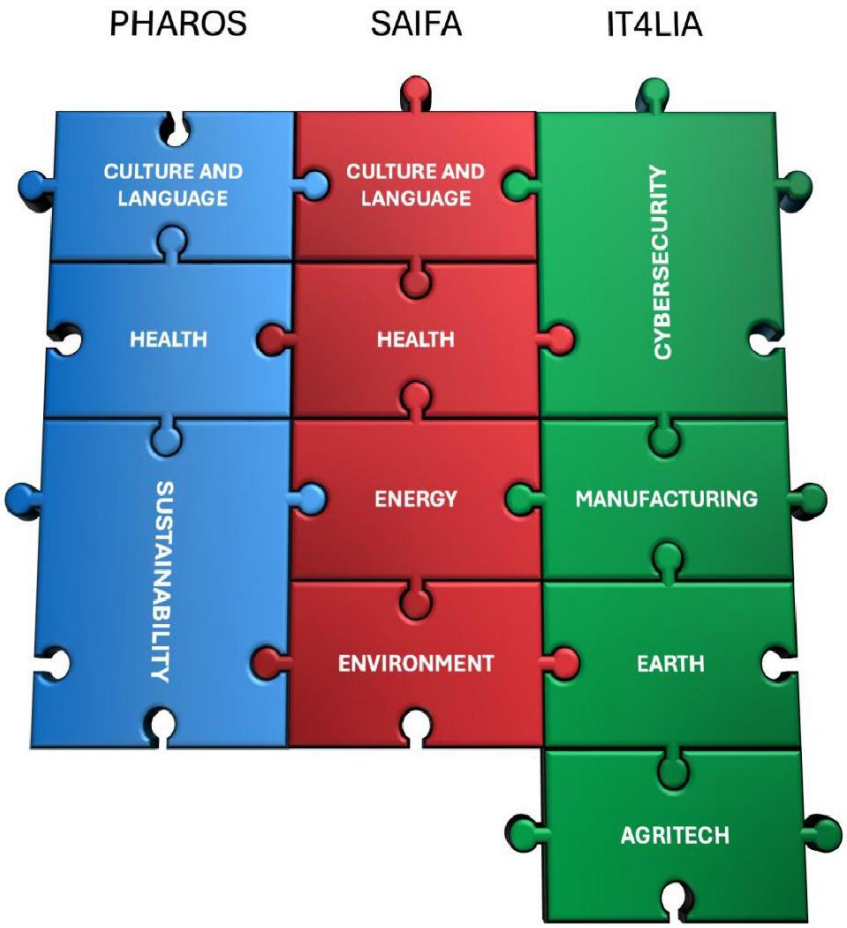
SAIFA Specific Objectives

- **Stakeholders mobilization**, networking, contribution to the implementation of the EU AI Continent Action Plan, the Serbian AI Strategy and **alignment of SAIFA activities with the key sectors of EU AI for safe, secure and responsible application of artificial intelligence**.
- Establish an environment as **a single-entry point for users from Serbia and abroad to** computing time, support services and applications offered by **SAIFA and any EuroHPC AI Factory**, according to EuroHPC 2021/1173.
- Contribute to the Serbian Industrial Policy Strategy from 2021 to 2030, the Strategy for the Development of the Startup Ecosystem in the Republic of Serbia including corresponding Action Plans and **stimulating the development in strategic sectors**.
- Foster collaboration and engagement with universities, research centres and other training providers to **train and equip students (from academia and industry) at all levels with the necessary in-demand AI skills.**

SAIFA Sectors

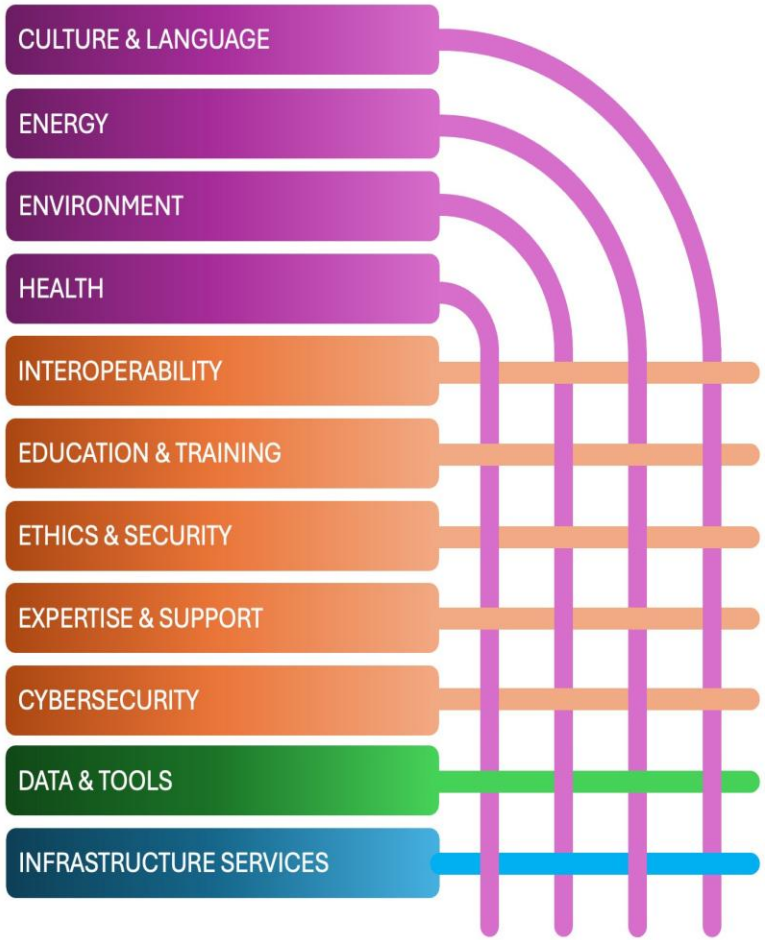
Bridge AI research and real-world implementation across key sectors

- **Culture & Language**
  (NLP, hate-speech detection)
- **Health**
  (early diagnostics, therapy analysis)
- **Energy**
  (predictive analytics, optimization)
- **Environment**
  (flood prediction, digital twins)

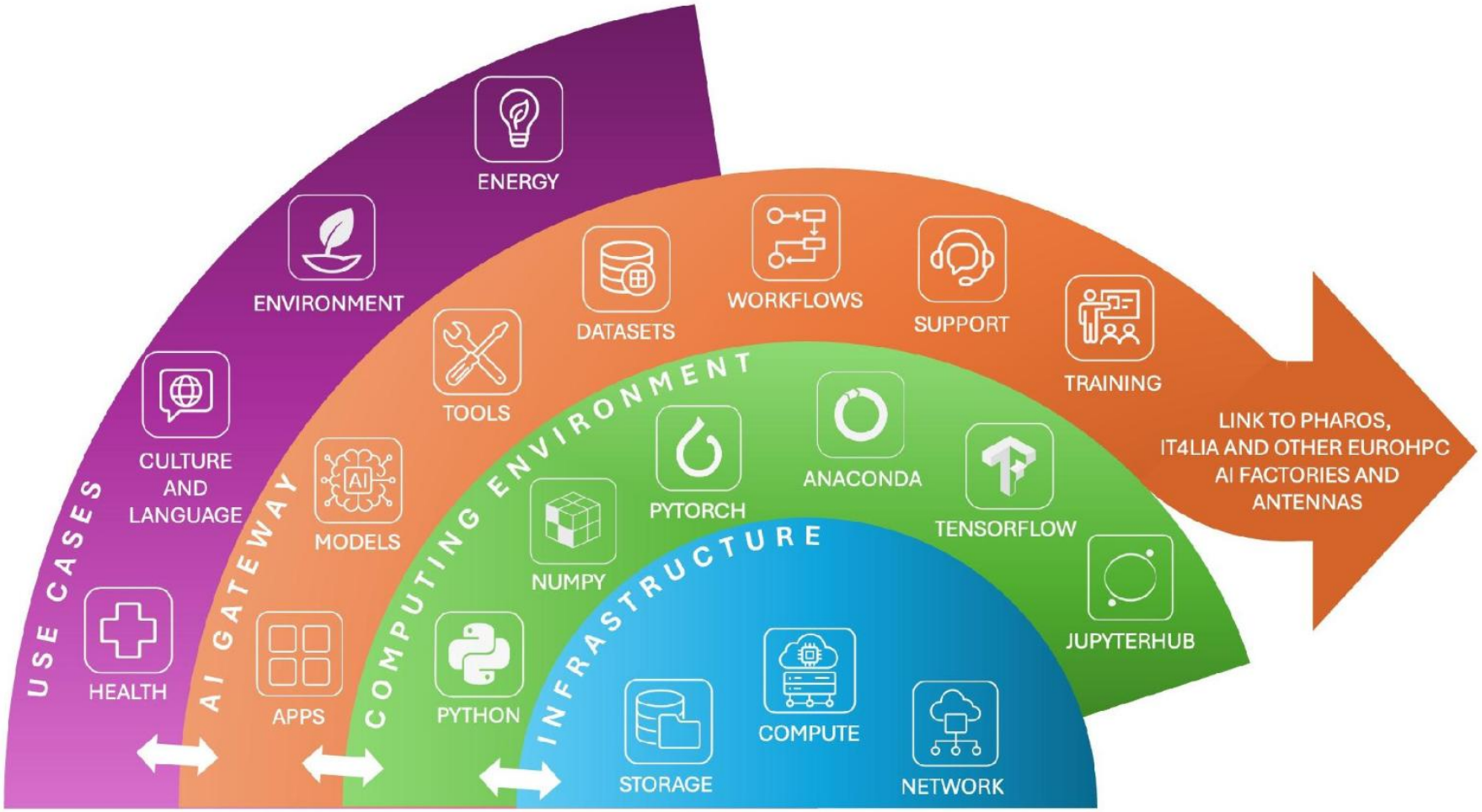


SAIFA Tools and Services

- **AI Gateway:** Single entry point for models, datasets, workflows, training, and consulting; fully interoperable with Pharos/IT4LIA.
- **Infrastructure:** Containerised HPC environment, Kubernetes orchestration, dynamic resource scheduling.
- **Outputs:** Curated datasets, pre-trained models, reproducible workflows, sandboxes validated on EuroHPC systems



SAIFA Architecture



SAIFA
SERBIAN ARTIFICIAL INTELLIGENCE FACTORY ANTENNA

Key Performance Indicators

User Engagement & Ecosystem Reach (Annual Targets)

- **Private AI Users:** Serving at least 75 individuals and 15 organizations annually, with a specific focus on 15 Startups and 15 SMEs.
- **Public AI Users:** Serving 75 individuals and 15 public organizations annually.
- **Ecosystem Breadth:** Supporting at least 200 participants within the broader AI Factory ecosystem, including European partners.

Human Capital & Training (Developing National Talent)

- **Individuals Trained:** A total of 500 individuals will receive specialized training.
- **Student Participation:** Engaging 300 students in formal and informal AI Factory activities.
- **Organization Training:** Providing training to 20 Startups and 20 SMEs to boost industrial AI adoption.
- **Expert Capacity:** Maintaining 18 dedicated AI researchers and offering 10 specialized training programs.

Contributions to Policies

Embodies the principles and priorities of Serbia's AI Strategy 2025–2030.

A cornerstone of Serbia's AI innovation ecosystem, enabling sustainable growth, enhancing competitiveness, and driving inclusive technological progress in the startup and SME landscape.

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