MIAI

Grenoble Alpes

Multidisciplinary Institute In Artificial Intelligence

MIAI Institute:

an international reference for Frugal & Trustworthy Embedded, Interactive & Generative AI at the service of Humans and the Environment

UGA
Université Grenoble Alpes

MIAI@Grenoble Alpes

An International and Interdisciplinary Institute in Artificial Intelligence

MIAI@Grenoble Alpes is a research institute bringing together academics and industrials for developing AI for the human beings and the environment, selected by the French State as an Interdisciplinary AI Institute in 2019. Our goal is to expand existing and develop new assets and business partnerships in AI.
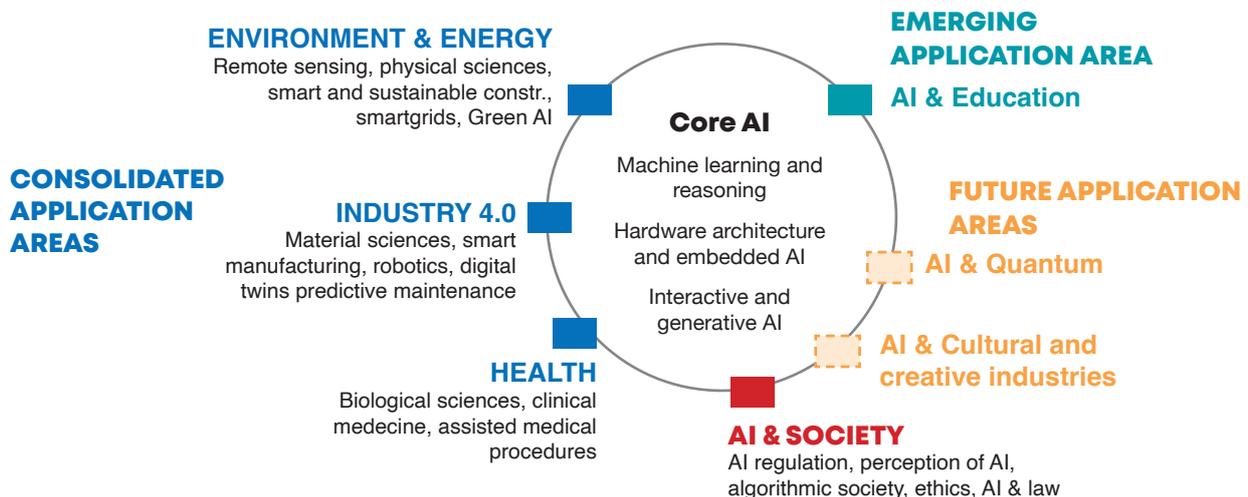
OBJECTIVES

- Organize a world-class interdisciplinary research institute
- Train students and professionals in core AI and applications of AI
- Propose AI solutions that can be integrated in large companies, SMBs and startups
- Inform on AI, its applications, its limitations and its potential risks

PROVISIONAL BUDGET

2019 2027

~72 millions euros/8 years

Businesses • Academia • State

RESEARCH in ARTIFICIAL INTELLIGENCE

Core AI
Machine learning and reasoning
Hardware architecture and embedded AI
Interactive and generative AI

ENVIRONMENT & ENERGY
Remote sensing, physical sciences, smart and sustainable constr., smartgrids, Green AI

CONSOLIDATED APPLICATION AREAS

INDUSTRY 4.0
Material sciences, smart manufacturing, robotics, digital twins predictive maintenance

HEALTH
Biological sciences, clinical medecine, assisted medical procedures

EMERGING APPLICATION AREA
AI & Education

FUTURE APPLICATION AREAS
AI & Quantum
AI & Cultural and creative industries

AI & SOCIETY
AI regulation, perception of AI, algorithmic society, ethics, AI & law

WORLD-RENOWNED MULTIDISCIPLINARY ACADEMIC EXPERTISE

The existing relevant scientific and academic environment, the proximity of key players in research, training, business and regional authorities will ensure its successful implementation with the proactiveness of an unmatched ecosystem.

500+
faculty, PhDs students & postdoctoral researchers working on AI and related fields

1300+
publications since 2019 of which 15% feature in the top 10 key journals & conferences

Univ. Grenoble Alpes
Ranking

5th France overall
1st France
Computer Science and Engineering

A DYNAMIC, LOCAL AND HIGH-POWERED ECOSYSTEM FOCUSED ON AI

Grenoble Alpes has an ecosystem able to provide the necessary hardware/software continuum by creating dedicated systems for AI. Univ. Grenoble Alpes is capable of developing specialized leading-edge research while working in parallel on wide spectrum topics supported by its interdisciplinary research programs

ACADEMIA
CEA, CNRS, Inria, Université Grenoble Alpes, Grenoble INP, Inserm, Grenoble EM, CHU-GA…

COMPETITIVENESS CENTERS, APPLIED MEDICAL CLUSTERS AND TECHNOLOGY TRANSFER ACCELERATORS
Minalogic, NanoElec, Tenerrdis, Axelera, Lyon Biopôle, Medicalps, SATT Linksium…

Hardware/software continuum
Broad multidisciplinary scope

CROSS DISCIPLINARY PROGRAMS
CerCoG@UGA, CyberAlps, Circular, DefiCO2, PowerAlps…

BUSINESSES & STARTUPS
100 companies & 50 startups

PRIVATE/PUBLIC PARTNERSHIPS
IRT Nanoelec, Instituts Carnot Leti, Logiciels & Systèmes Intelligents - LSI, Energies du Futur and iC Inria
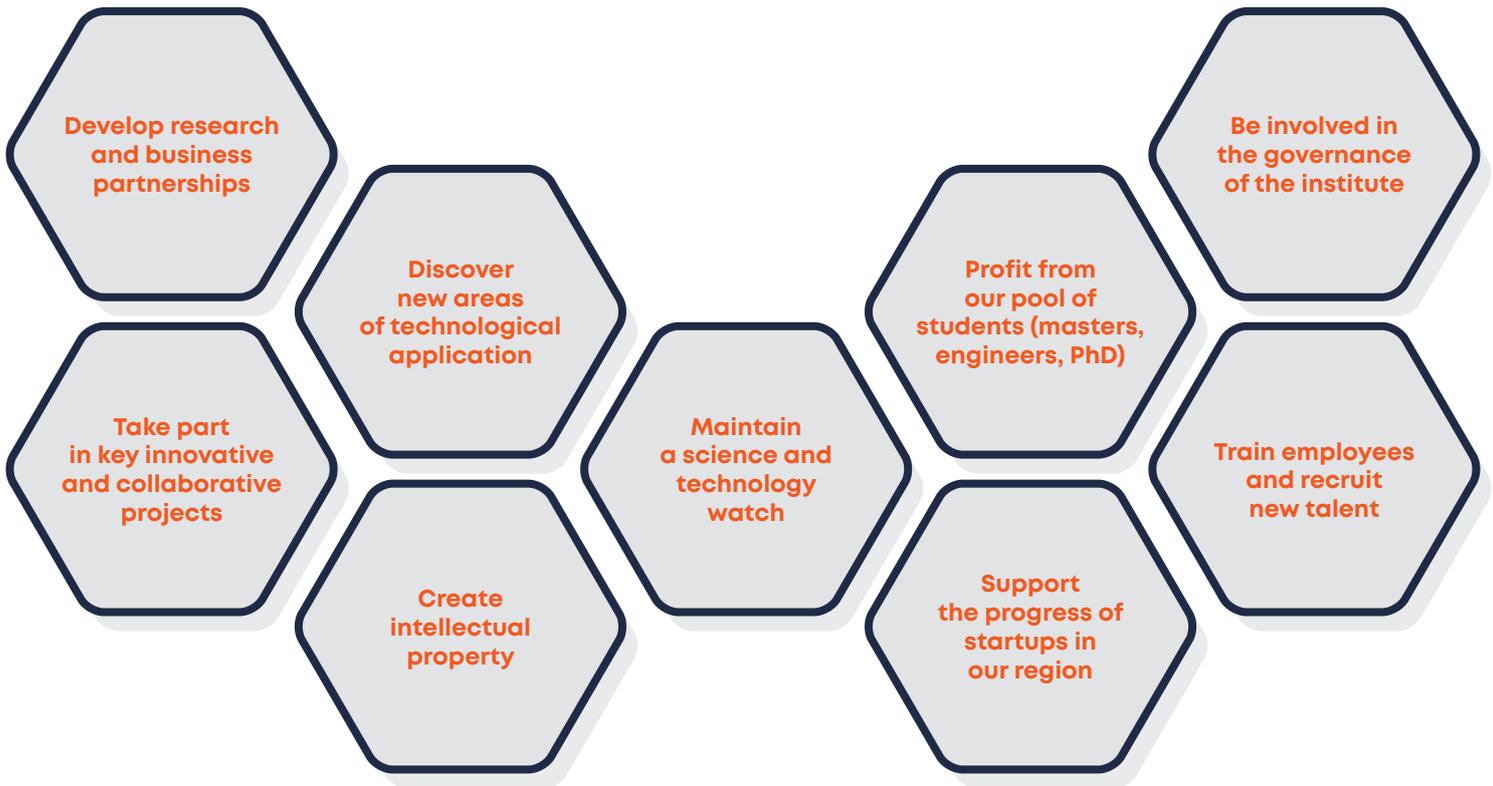
AI TALENT MADE IN GRENOBLE ALPES

Grenoble Alpes,
an exceptional territory!

- Environment with a strong international culture
- Unique life quality in the heart of the Alps
- High retention rate of our graduates

Recruit, train and retain
your top talent in AI

- Draw from a large talent pool 200+ masters and engineering graduates per year
- Recruit easily internationally
- Local continuous education programs for your employees

Develop research and business partnerships

Discover new areas of technological application

Be involved in the governance of the institute

Take part in key innovative and collaborative projects

Maintain a science and technology watch

Profit from our pool of students (masters, engineers, PhD)

Create intellectual property

Support the progress of startups in our region

Train employees and recruit new talent

MIAI'S PARTNERS