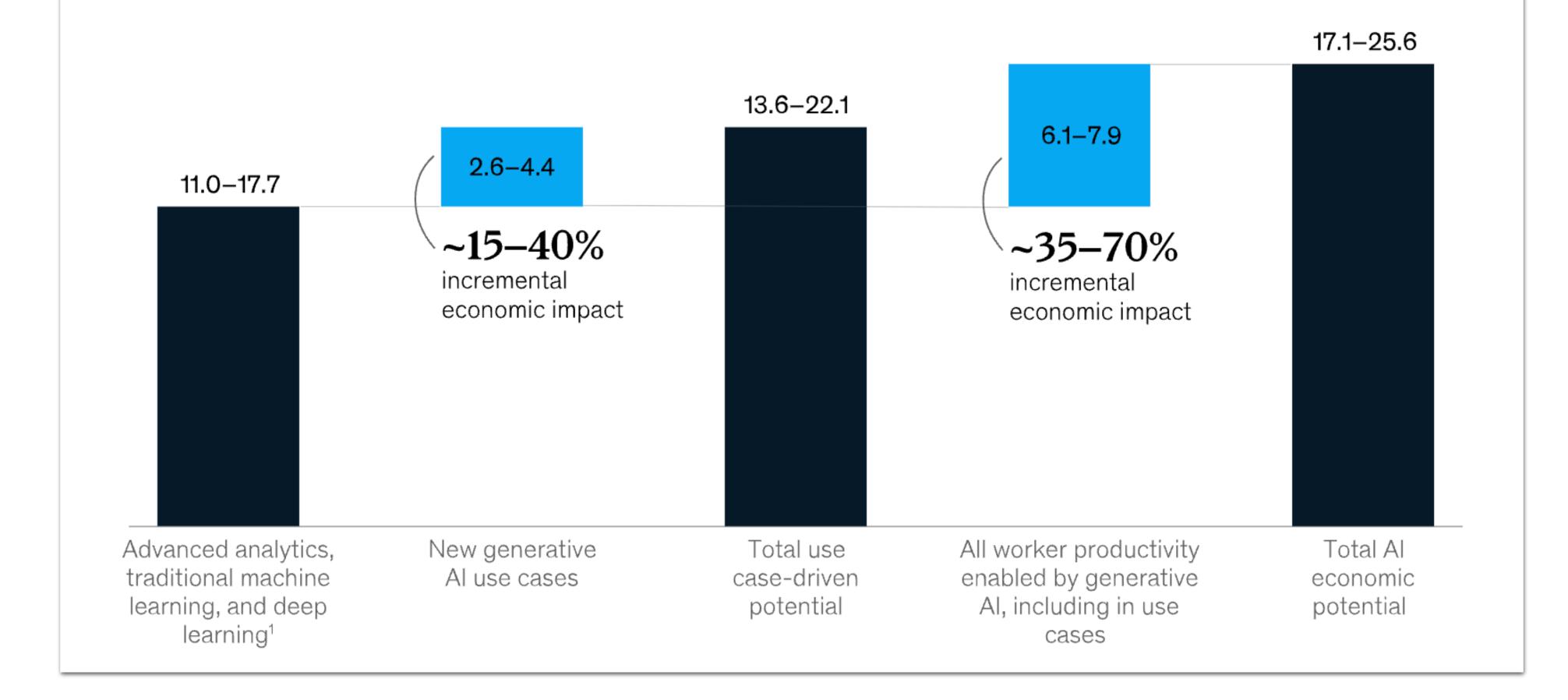


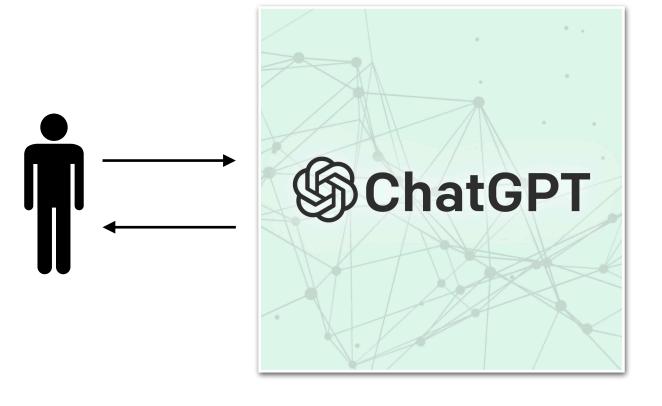


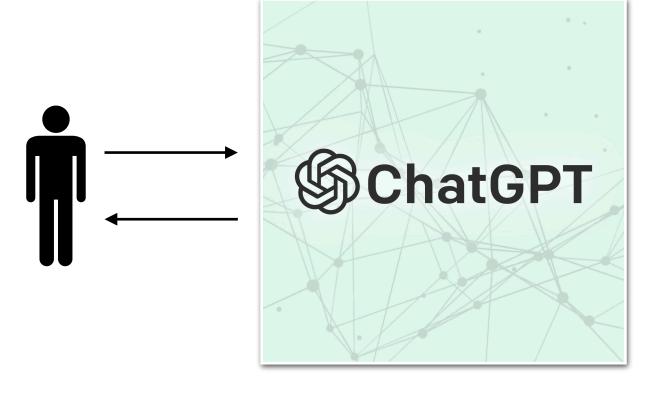
Artificial intelligence

Generative Al could create additional value potential above what could be unlocked by other Al and analytics.

Al's potential impact on the global economy, \$ trillion

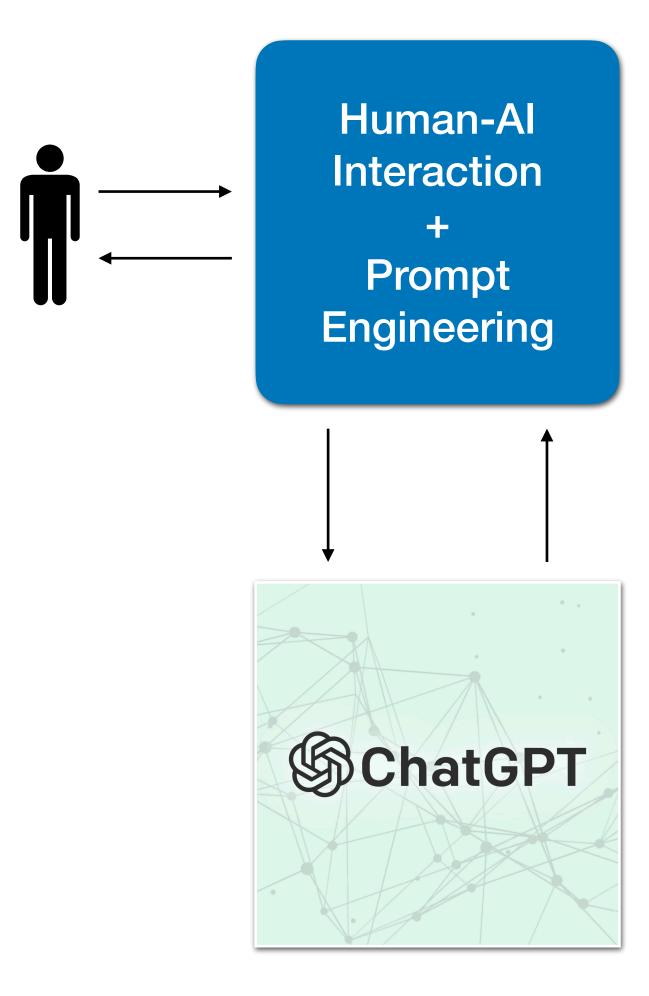






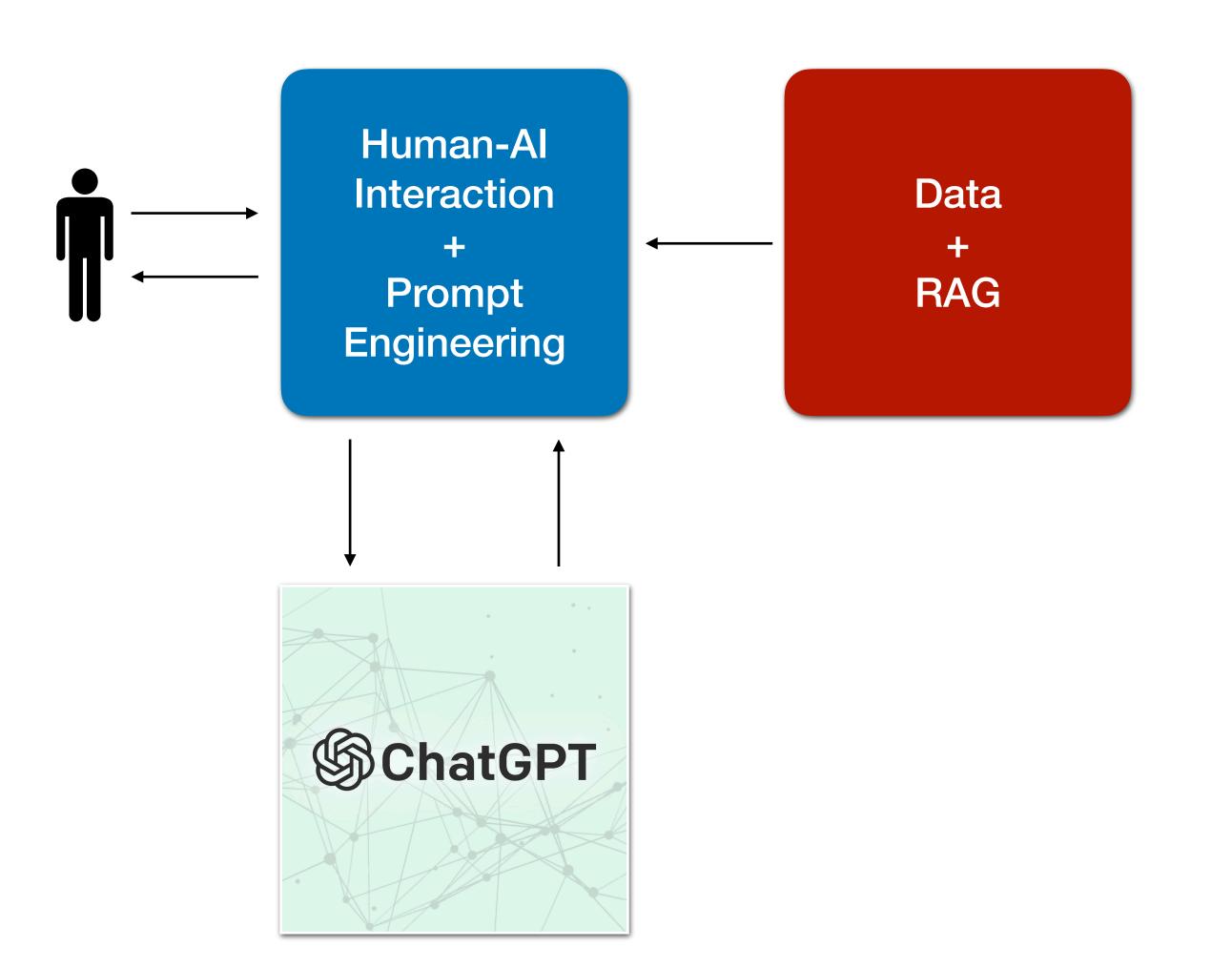
- LLMs have severe limits
- The output cannot be controlled
- New paradigms hybridizing

LLMs with non-generative Al tools



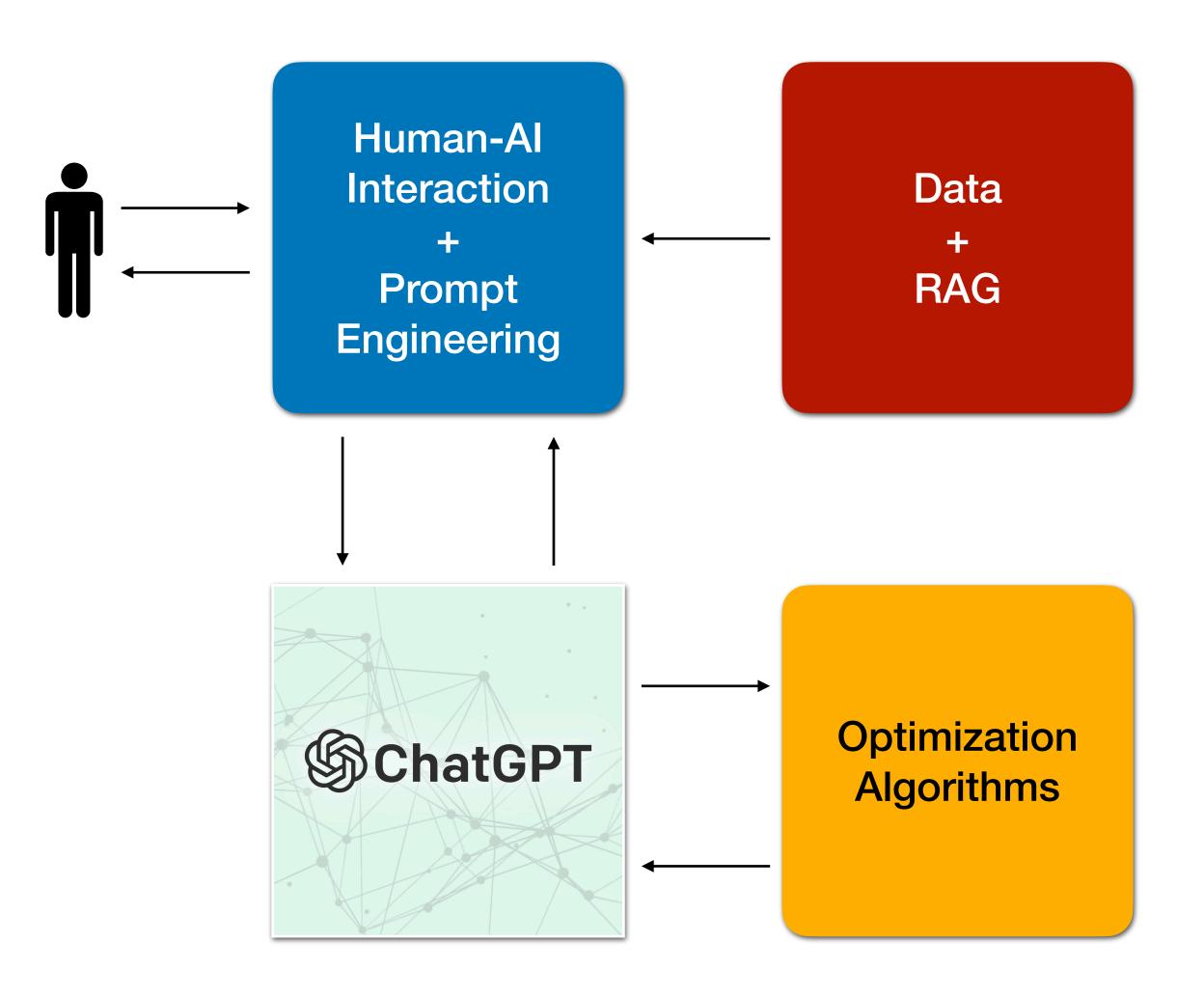
- LLMs have severe limits
- The output cannot be controlled
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LLMs with non-generative Al tools



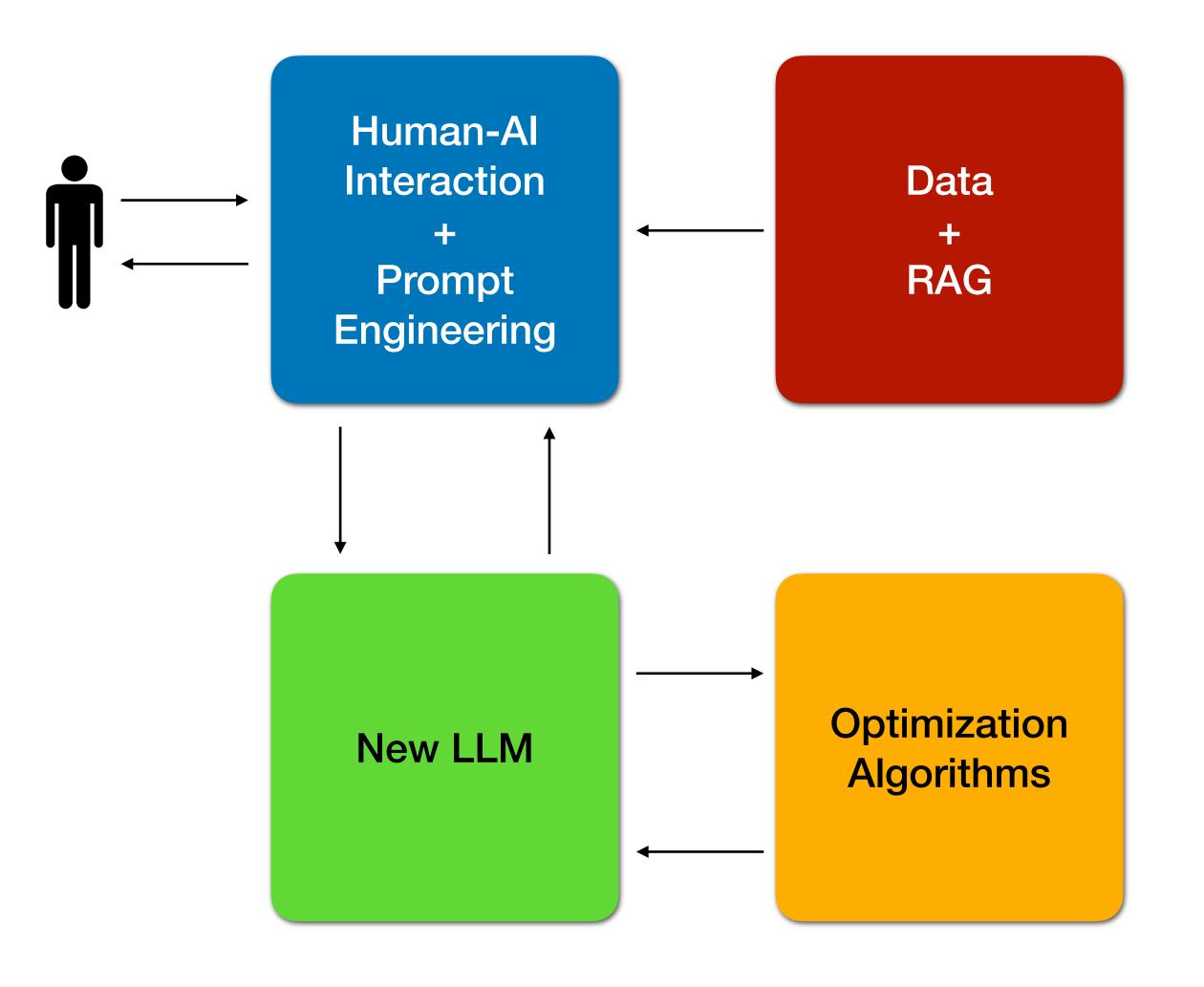
- LLMs have severe limits
- The output cannot be controlled
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LLMs with non-generative AI tools



- LLMs have severe limits
- The output cannot be controlled
- New paradigms hybridizing

LLMs with non-generative AI tools



- LLMs have severe limits
- The output cannot be controlled
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LLMs with non-generative Al tools



Global AI Index

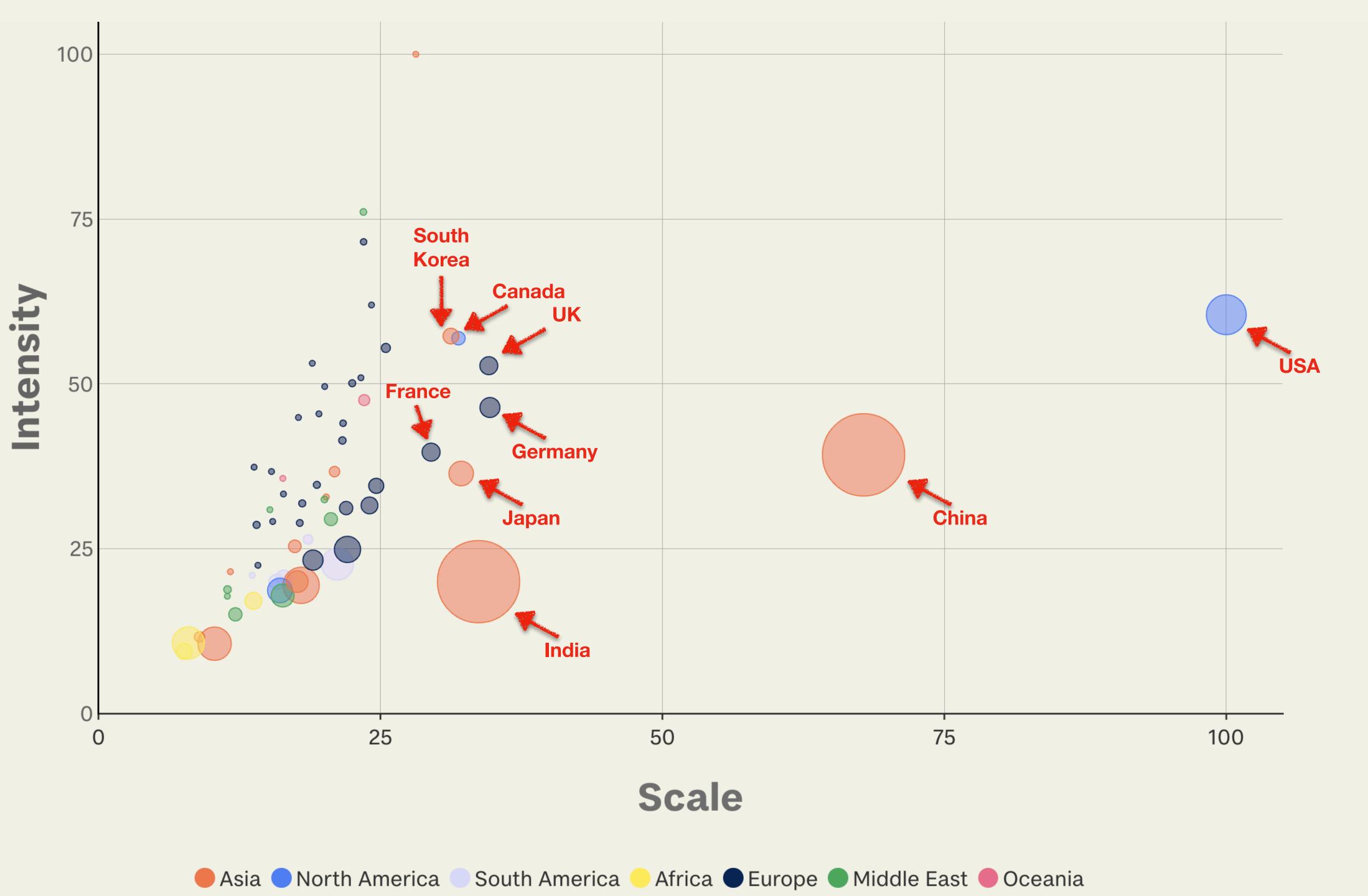
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			Talent Infrastructure Operating Environment Research Development Govern						ment Strategy Commercial Scale Intensity				
		Overall	Talent	Infrastructu	◆ Operating L		Research	\$ De∧elobwe.	\$ \$	Commercia	•	Scale	Intensity
	United States	1	1	1	28		1	1	8	1		1	5
*‡	China	2	20	2	3		2	2	3	2		2	21
(:	Singapore	3	4	3	22		3	5	16	4		10	1
	United Kingdom	4	5	24	40		5	8	10	5		4	10
*	Canada	5	6	23	8		7	11	5	7		7	7
**	South Korea	6	12	7	11		12	3	6	18		8	6
*	Israel	7	7	28	23		11	7	47	3		17	2
	Germany	8	3	12	13		8	9	2	11		3	15
	Switzerland	9	9	13	30		4	4	56	9		16	3
+	Finland	10	13	8	4		9	14	15	12		13	4
	Netherlands	11	8	16	15		10	13	28	20		11	8
•	Japan	12	11	5	10		20	6	18	23		6	25
	France	13	10	11	25		15	18	13	10		9	20
•	India	14	2	59	12		30	21	38	13		5	51
≥ €	Australia	15	14	44	62		6	16	14	22		15	14
	Denmark	16	19	15	1		18	19	21	17		18	11
-	Sweden	17	15	21	2		13	17	44	16		19	12
	Luxembourg	18	31	6	14		19	22	31	14		33	9
	Ireland	19	17	26	19		27	10	29	15		28	13
	Austria	20	25	34	5		16	23	33	27		22	18
€.	Spain	21	18	18	16		24	26	4	32		12	28
	Belgium	22	26	43	24		14	25	36	25		23	19
	Italy	23	22	35	6		21	28	9	35		14	33
##	Norway	24	24	22	29		22	20	39	21		30	16



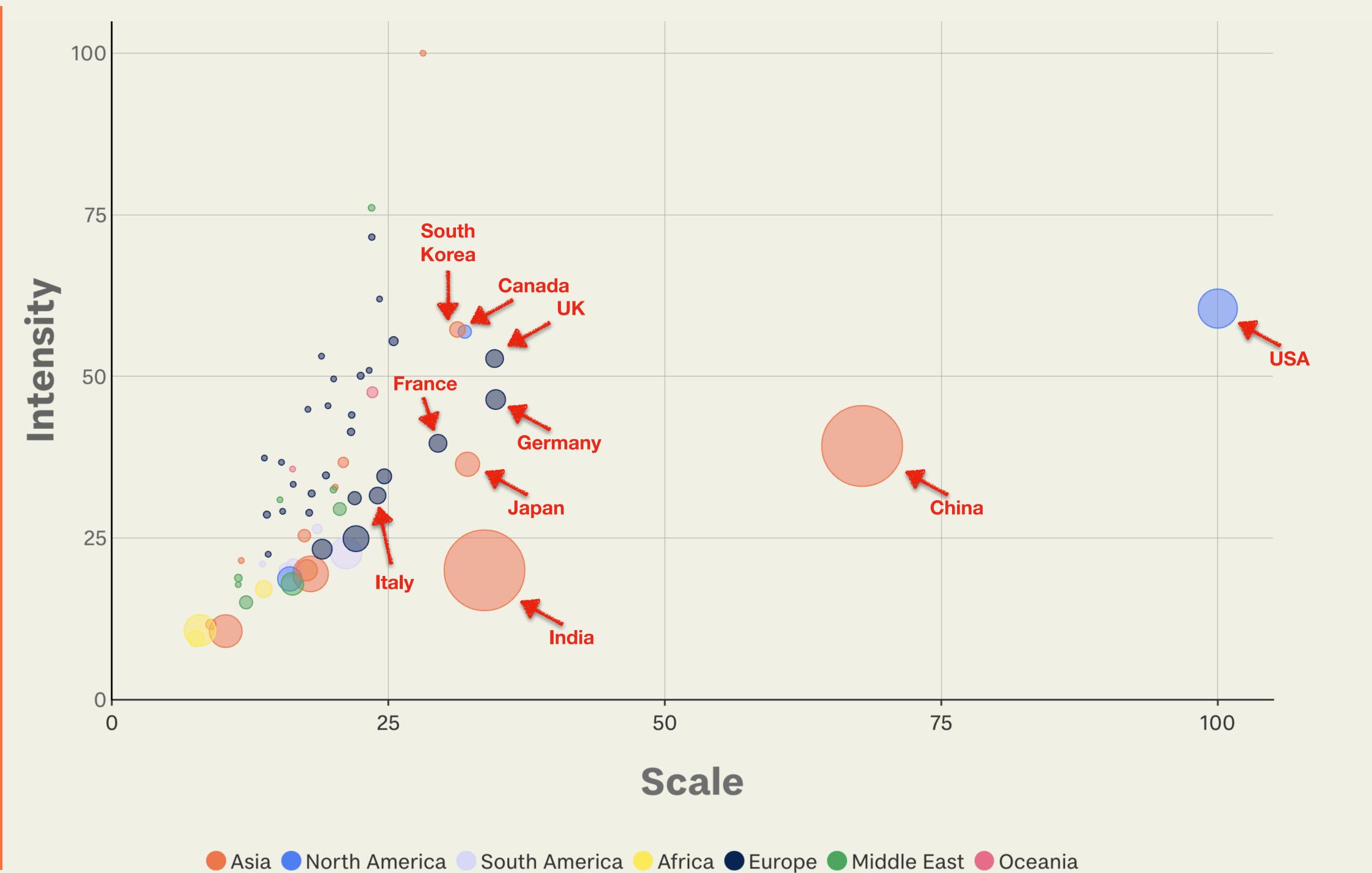
The first index to benchmark nations on their level of investment, innovation and implementation of artificial intelligence.





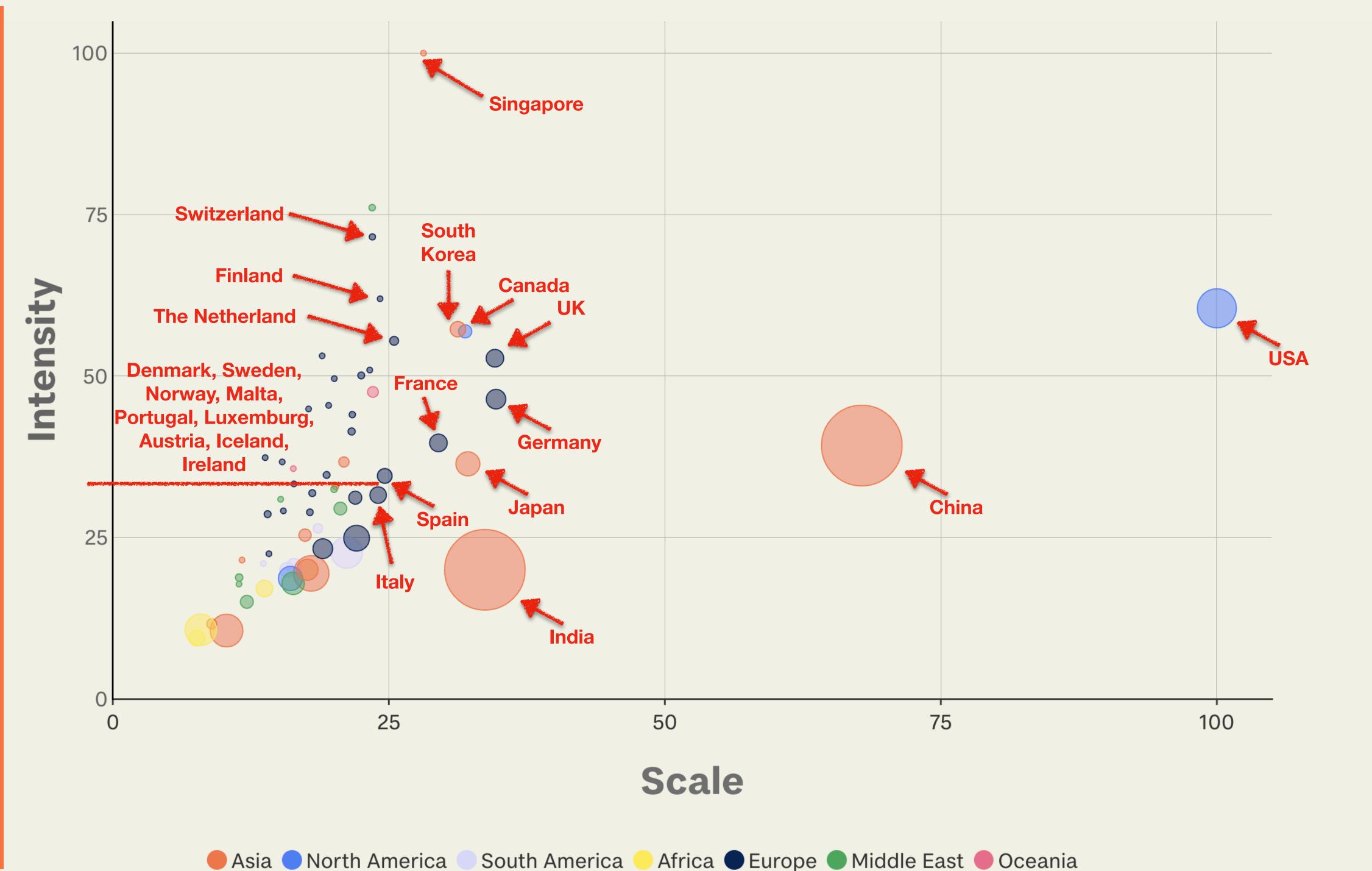


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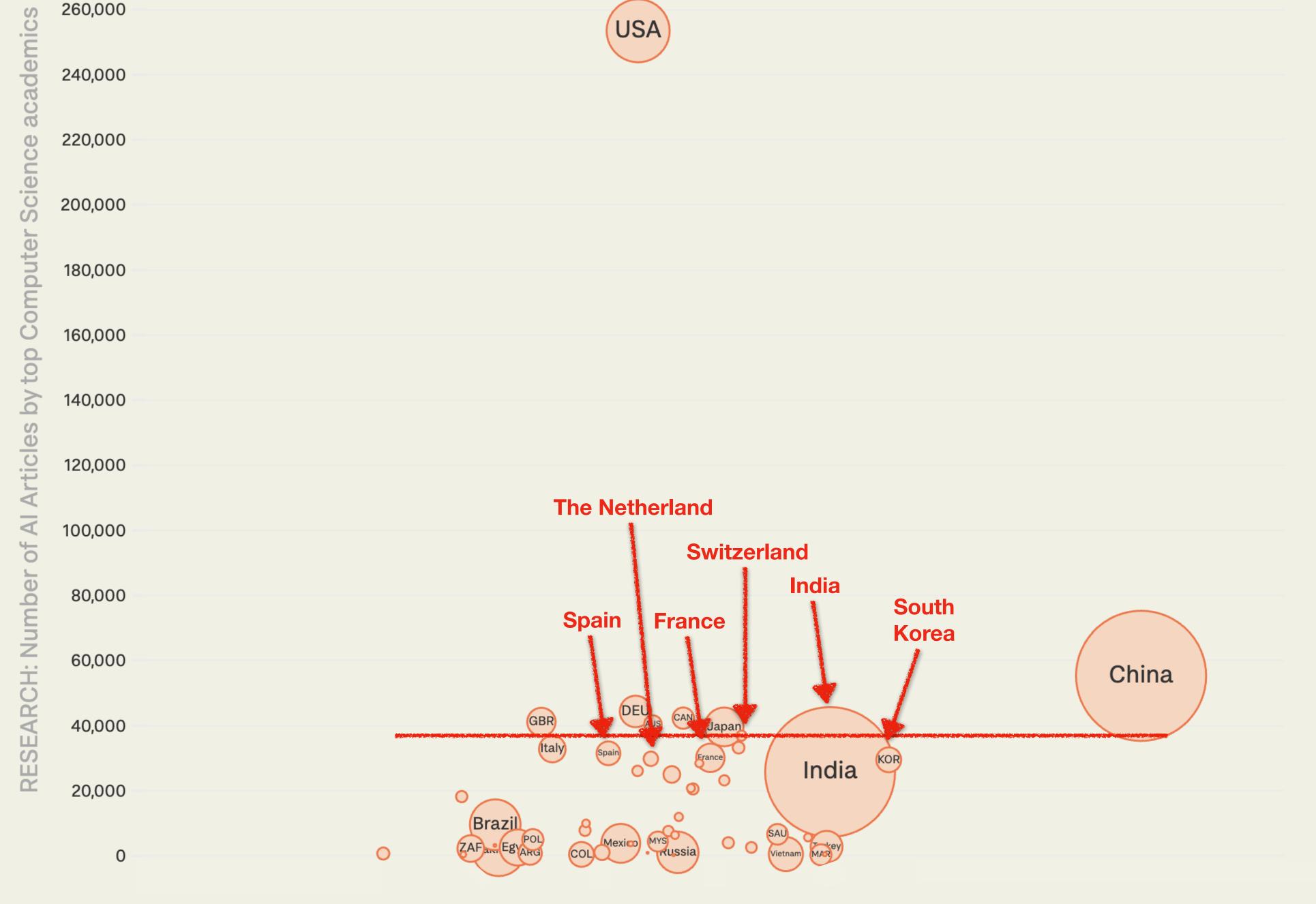
The first index to benchmark nations on their level of investment, innovation and implementation of artificial intelligence.



The Global Al Index

The first index to benchmark nations on their level of investment, innovation and implementation of artificial intelligence.





CONTEXT: Total investment (% of GDP)

Scientific Research Mission (1)

- Supporting the adoption of Al applications with the current technologies (from now to next 5 years)
 - Al projects
 - Use-cases design
 - Technology customization
 - Research and development
 - Competence
 - Technical education
 - Non-technical education

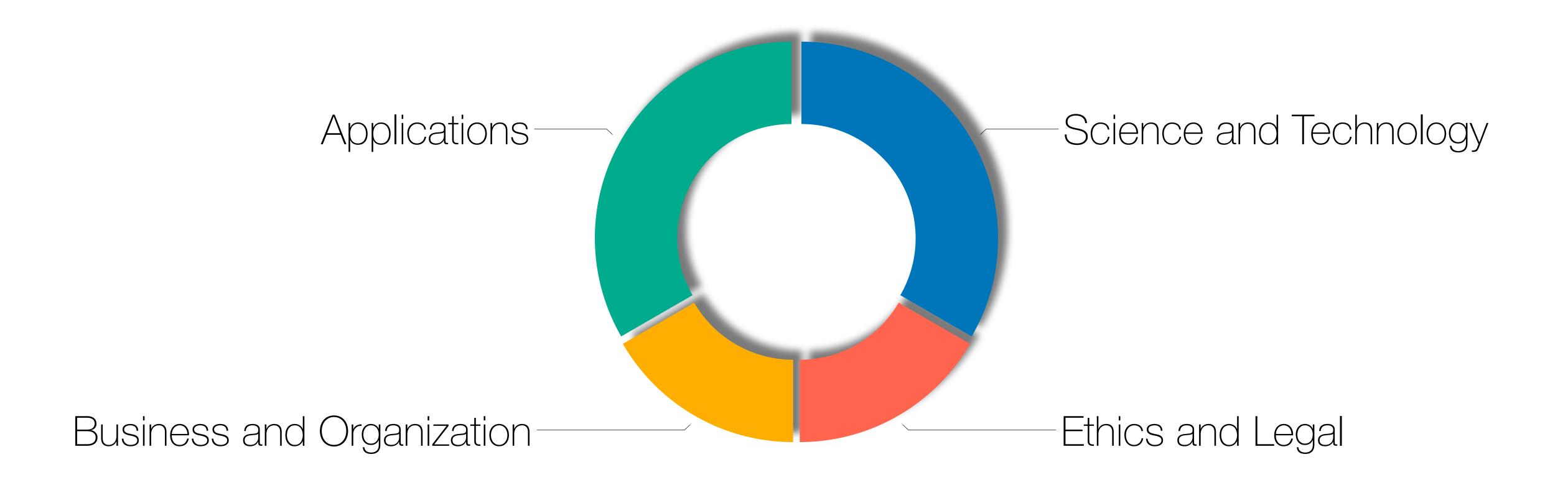
Scientific Research Mission (1)

- Supporting the adoption of Al applications with the current technologies (from now to next 5 years)
 - Al projects
 - Use-cases design
 - Technology customization
 - Research and development
 - Competence
 - Technical education
 - Non-technical education
- Supporting the development of the technologies of tomorrow (from next 5 years to next 10 years)
 - Foundational research
 - Societal impact challenges

Scientific Research Mission (2)

- Communication to citizens
 - Explaining what is Al
 - Explaining advantages, drawbacks, and perils

Multidisciplinary Expertise





Research Prospective Students & Postdocs Industry Al for Humanity People News About FR

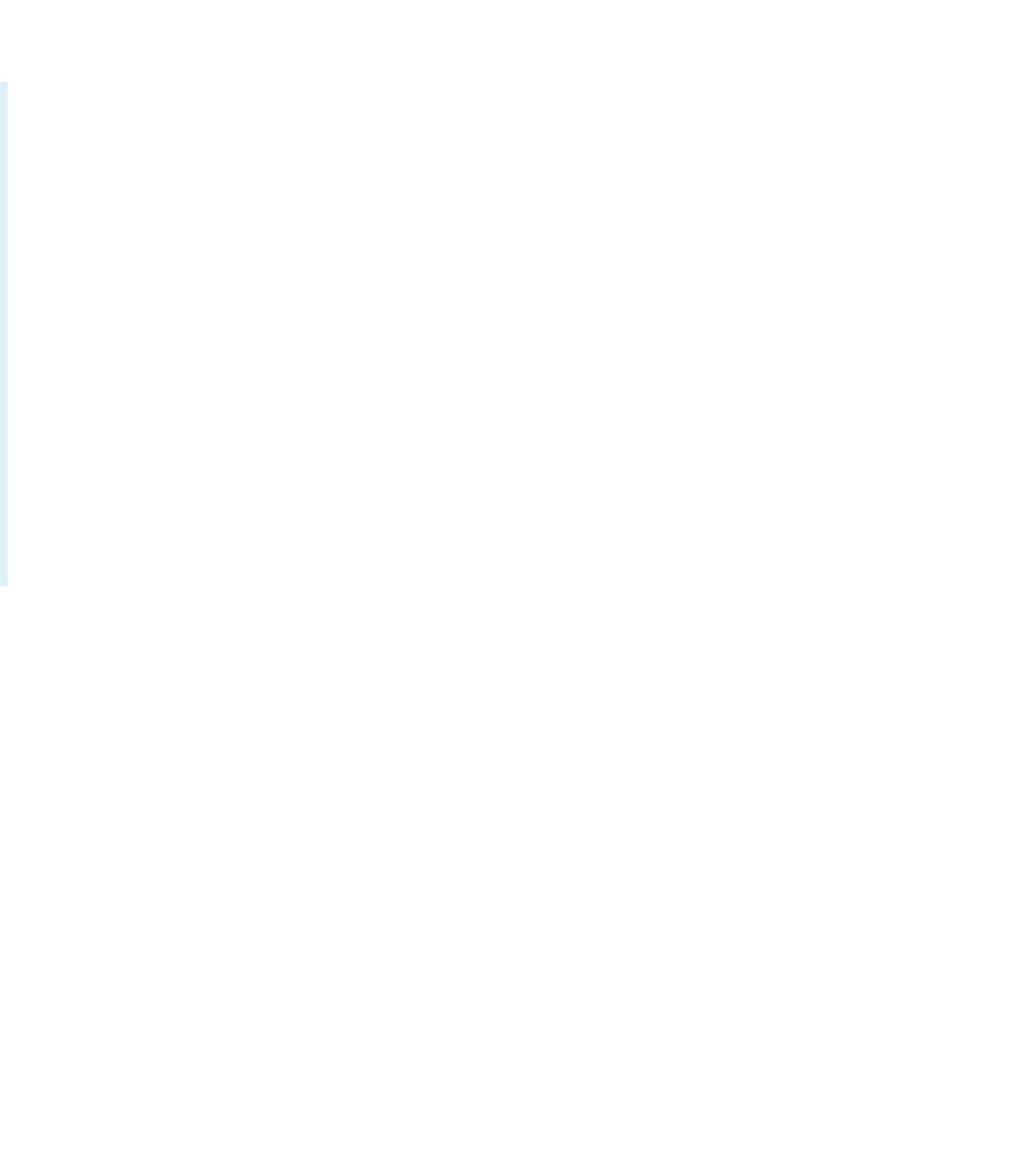




Inspiring the development of AI for the <u>benefit of all</u>

Located in the heart of Quebec's AI ecosystem, Mila is a community of more than 1,200 researchers specializing in machine learning and dedicated to scientific excellence and innovation.





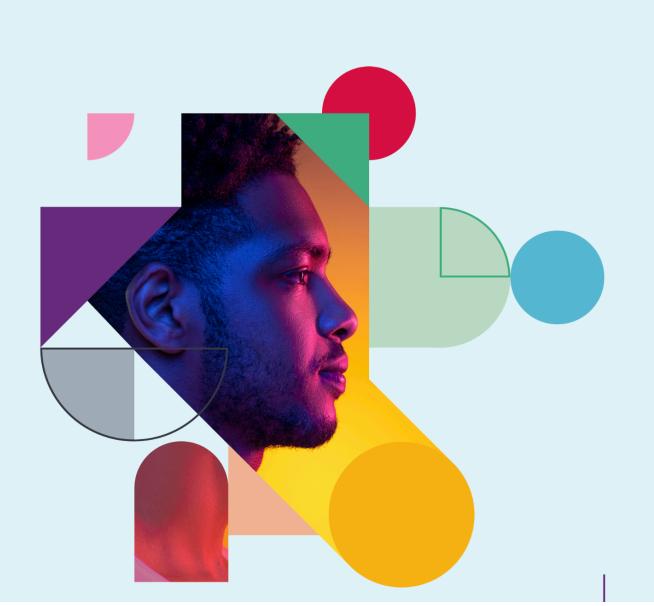


Prospective Students & Postdocs Industry Al for Humanity People News About FR









Inspiring the development of AI for the benefit of all

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LEARN MORE —

A major university research centre

Mila is the result of a unique collaboration between Université de Montréal and McGill University, in close collaboration with Polytechnique Montréal and HEC Montréal. The institute also hosts professors from Université Laval in Quebec City, Université Sherbrooke and the École de technologie supérieure in Montreal, bringing together over 1,000 individuals advancing Al for the benefit of all. Since 2017, Mila and its sister institutes, Amii (Alberta) and Vector (Ontario), play a central role in the Pan-Canadian Artificial Intelligence Strategy-the first national AI strategy in the world-led by CIFAR.

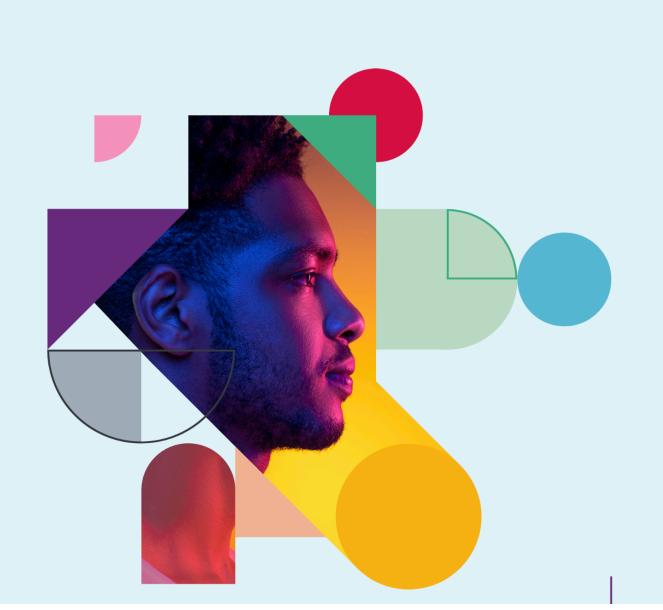
- over 150 applied and fundamental research projects
- 700 students, interns and research assistants trained
- close to 300 scientific publications



₩Mila



News About FR



Inspiring the development of Al for the benefit of all

Located in the heart of Quebec's AI ecosystem, Mila is a community of more than 1,200 researchers specializing in machine learning and dedicated to scientific excellence and innovation.

LEARN MORE —

Mila - Quebec Artificial Intelligence Institute, is recognized worldwide for its major contributions to Al.

Today, the Mila community boasts the largest concentration of deep learning academic researchers globally. The institute is recognized for its expertise and significant contributions in areas such as modeling language, machine translation, object recognition and generative models.

Since its inception, Mila focuses its mission on core research areas such as health, environment and climate change, and Al ethics. Mila extends its expertise and leadership in AI to deliver advances that will benefit all of society.

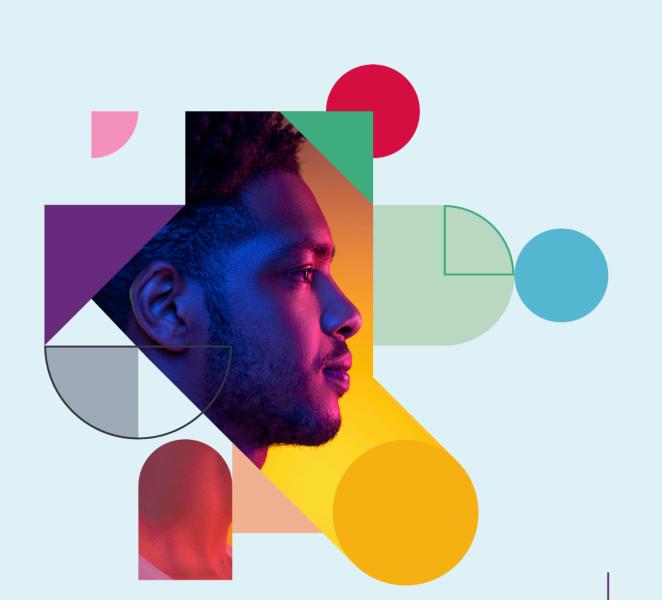
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Inspiring the development of AI for the benefit of all

People

Located in the heart of Quebec's Al ecosystem, Mila is a community of more than 1,200 researchers specializing in machine learning and dedicated to scientific excellence and innovation.

LEARN MORE -

An innovation hub for industry

Mila is a vector for development for industry partners here and abroad thanks to applied research and its large talent pool. The technology transfer teams at Mila develop AI solutions tailored to the specific needs of organizations that have the potential to accelerate their innovations.

Annual contribution

₩Mila

- nearly 90 industry partners
- nearly 40 startups
- 90 scientific publications co-authored with industry members
- ten applied research collaborations
- a dozen targeted interventions with SMEs

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Inspiring the development of AI for the benefit of all

Located in the heart of Quebec's AI ecosystem, Mila is a community of more than 1,200 researchers specializing in machine learning and dedicated to scientific excellence and innovation.



Four strategic pillars

Mila is governed by four strategic pillars that guide its decisionmaking and commitment.

1. Al Talent

Attract, train and retain in Quebec a diversified talent pool recognized globally for their high-level expertise.

2. Al Adoption

Contribute to partnerships, projects and initiatives to accelerate the deployment and adoption of Al.

3. Cutting-edge research

Achieve the highest levels of scientific leadership in the development of Al.

4. Social Influence

Develop perspectives on the potential of AI and the issues related to its use.

An innovation hub for industry

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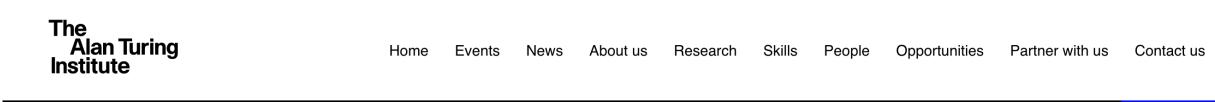
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We are the UK's national institute for data science and artificial intelligence.

Al could help automate around 84% of repetitive service transactions across government

Artificial intelligence (AI) could help automate around 84% of repetitive transactions across 200 government..

Wednesday 20 Mar 2024

Three in four women not comfortable expressing political

Three quarters (77%) of women are not comfortable expressing political opinions online because of...

Wednesday 20 Mar 2024

DISCOVER AI















A thriving hub for European Al with purpose

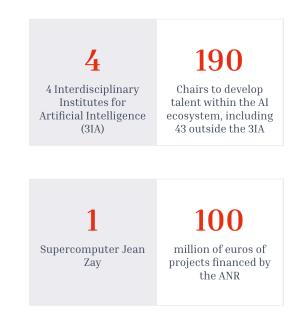


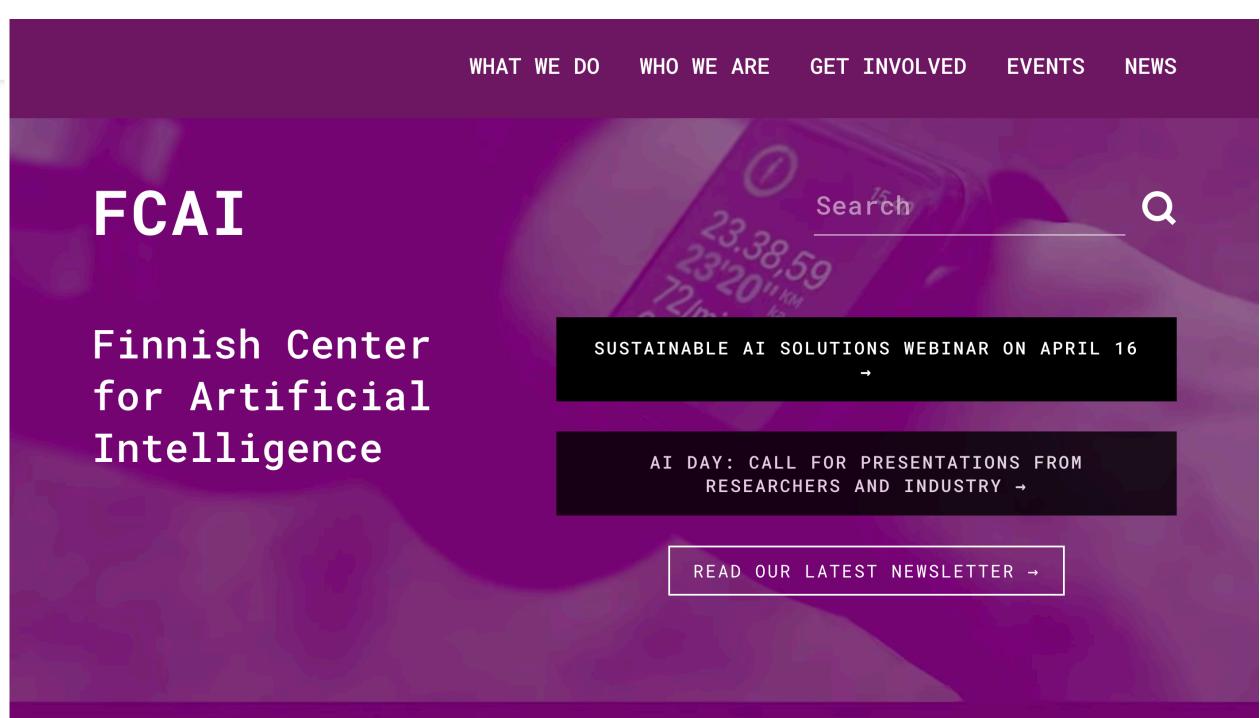


French National Artificial Intelligence Research Program

Interdisciplinary Institutes of Artificial Intelligence (3IA): the four selected projects









ELLIS - the European Laboratory for Learning and Intelligent Systems - is a pan-European AI network of excellence which focuses on fundamental science, technical innovation and societal impact. Founded in 2018, ELLIS builds upon machine learning as the driver for modern AI and aims to secure Europe's sovereignty in this competitive field by creating a multi-centric AI research laboratory. ELLIS wants to ensure that the highest level of AI research is performed in the open societies of Europe and follows a three-pillar strategy to achieve that.

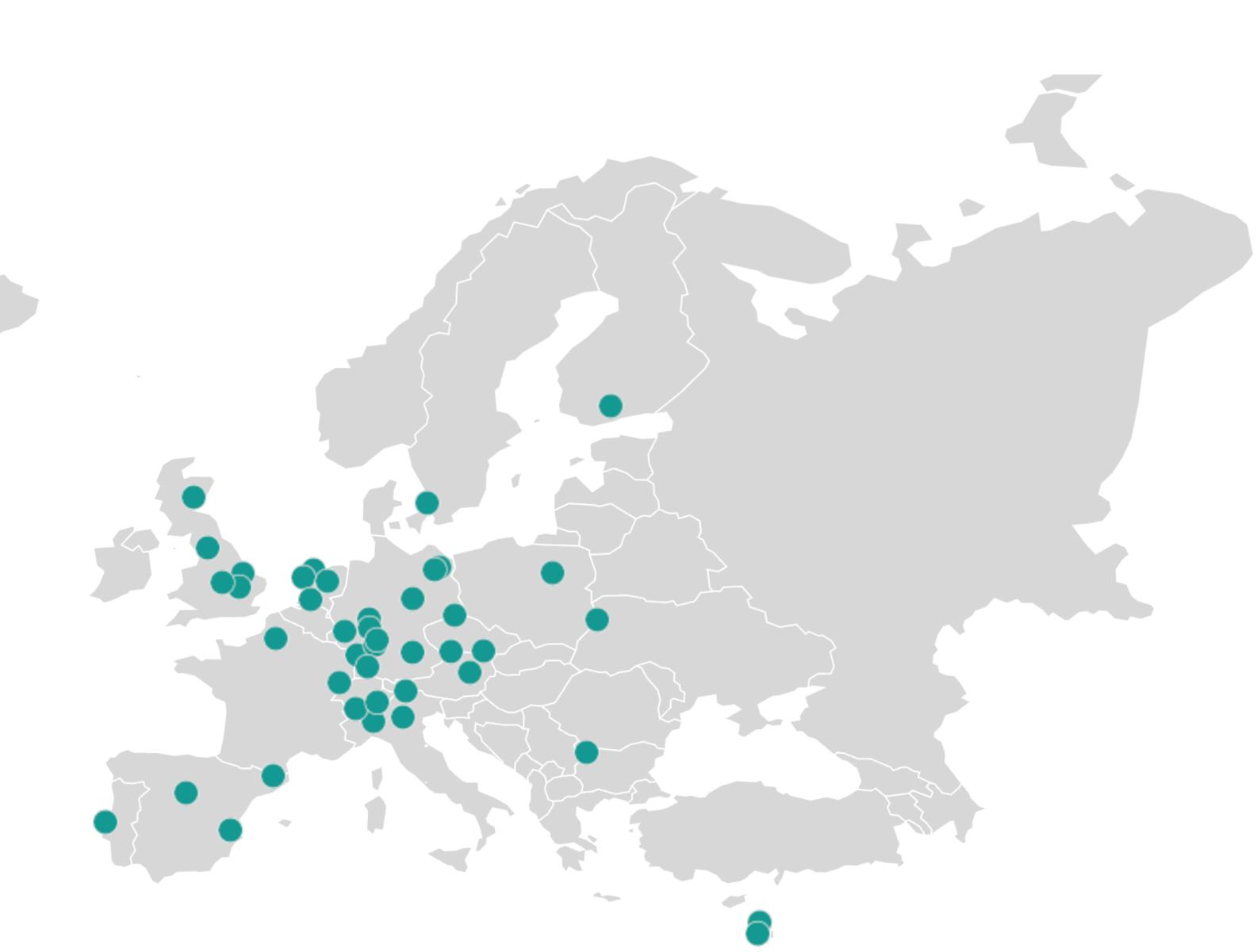


ELLIS is a pan-European research network connecting scientists and labs in the field of machine learning — inspired by MILA Lab

It is committed to ethical and trustworthy Al and aims to attract top talent for basic research, technical innovation and positive societal impact

The mission of ELLIS is to benefit Europe in two ways:

- 1. By ensuring that the **best basic research**in **AI** is performed in Europe, to enable
 Europe to shape how machine learning and
 modern AI change the world
- 2. By contributing to **positive economic**impact and job creation in Europe. We believe that outstanding and **free basic**research is a key factor to achieve this goal















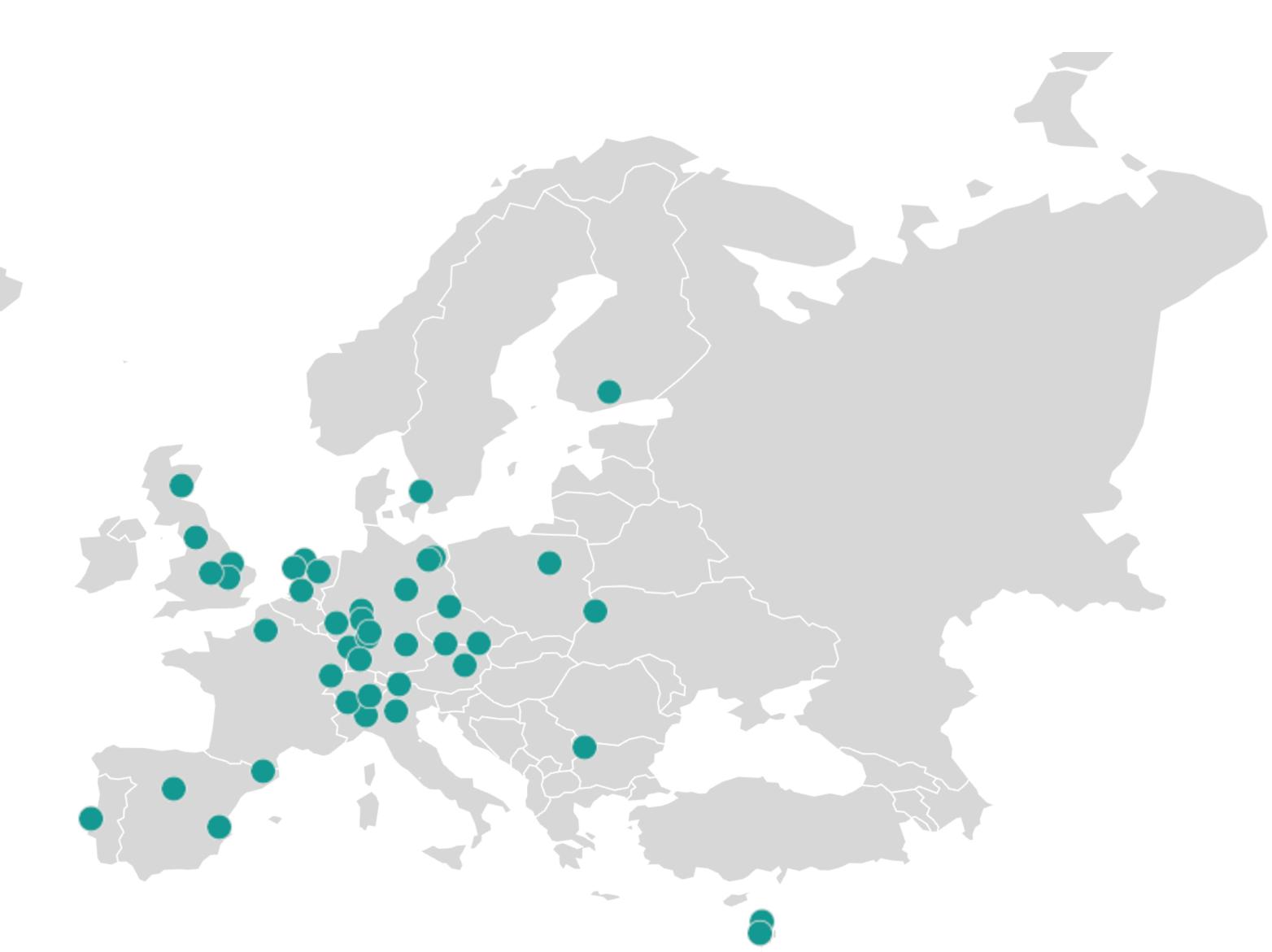
27 ellis members

5 fellows

1 scholar

Major Italian ellis unit

Open to members from other
Universities located in Lombardy







Nicolò Cesa-Bianchi

Gabriella Pasi

Nicola Gatti

Riccardo Zecchina

Cumulative number of papers since 2006 per ELLIS Unit (venues listed by ELLIS) - Ellis-MI - Ellis-TO - Ellis-GE - Ellis-RE

















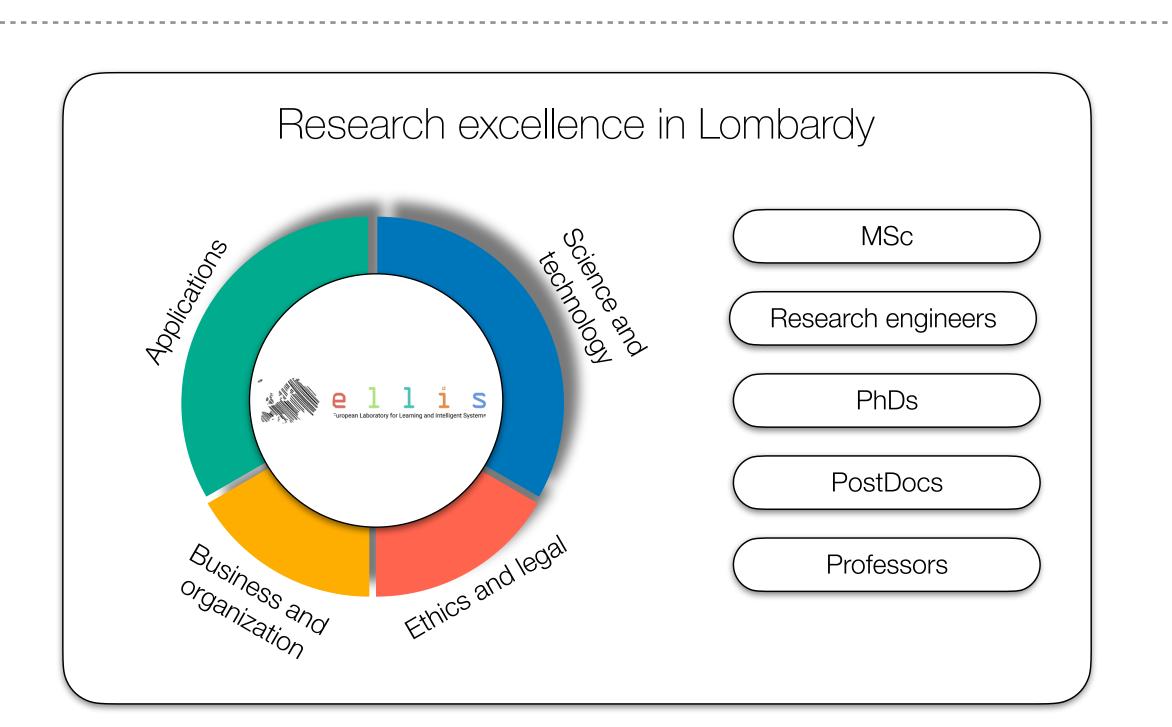
Nicolò Cesa-Bianchi





What we recommend





Network of Al companies

Al Adoption

Public admin.

Client company

Startup

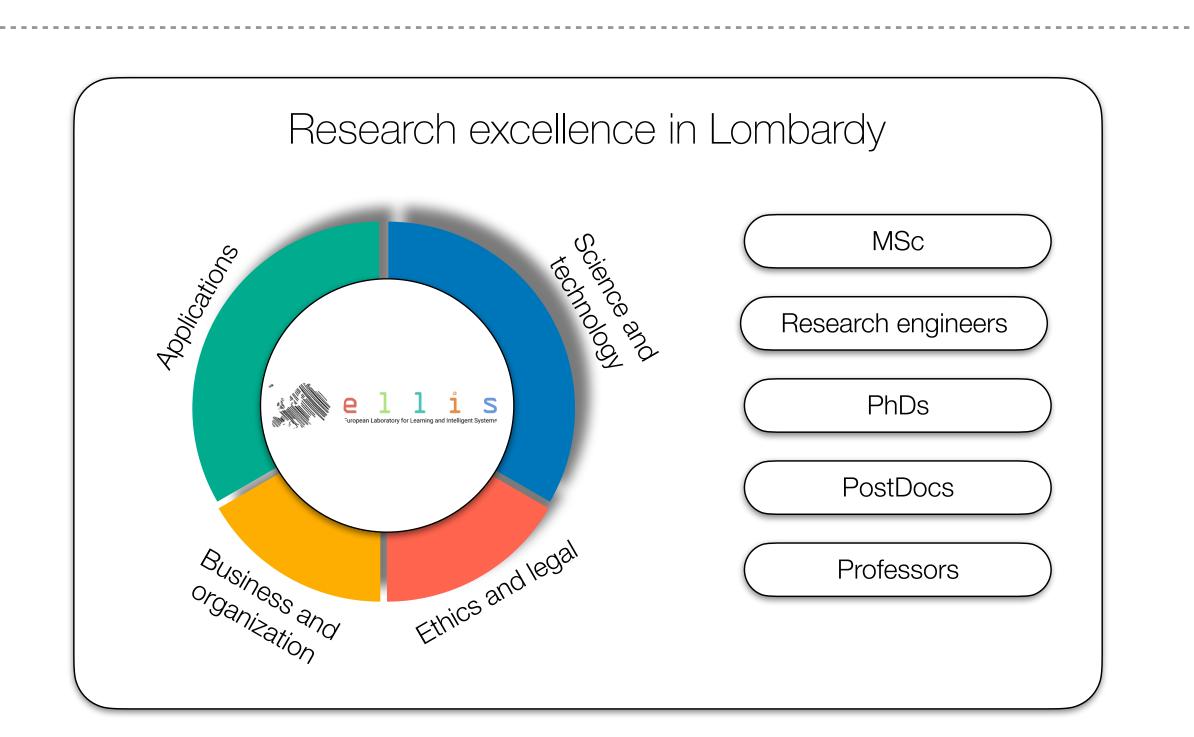
New Al Technologies

Public stakeh.

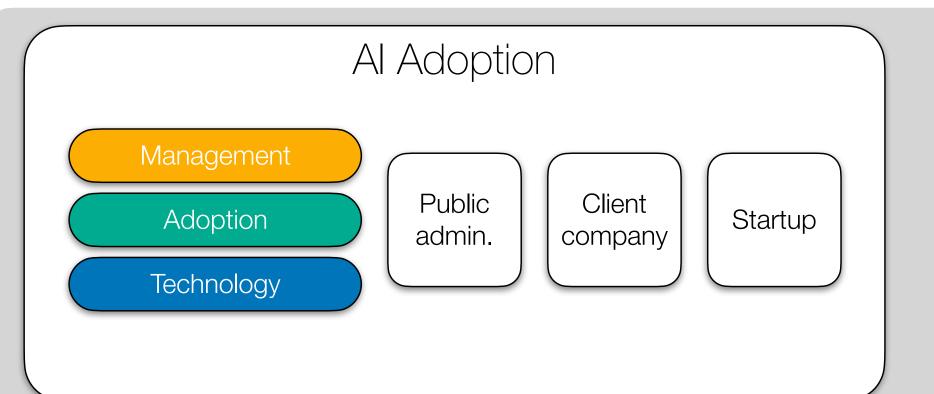
Tech company

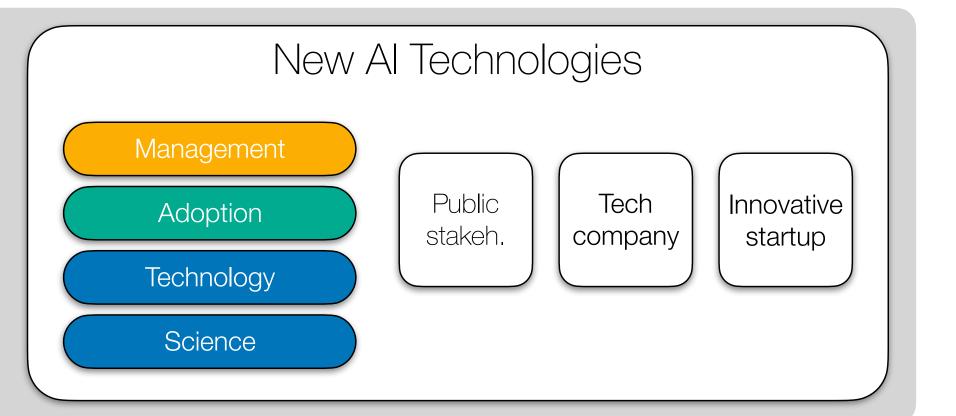
Innovative startup





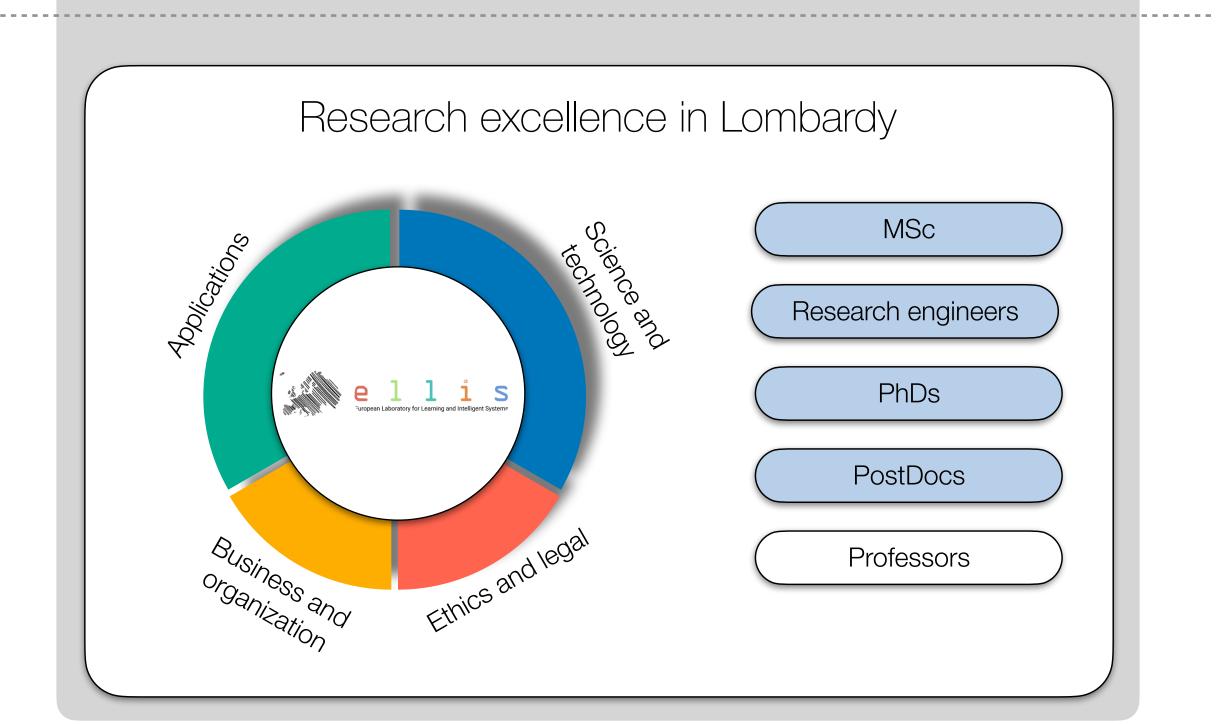
Network of Al companies





Human Resources (junior and senior)





Network of Al companies

Al Adoption

Management
Public admin.
Client company
Startup

New Al Technologies

Management

Adoption

Public stakeh.

Tech company

Innovative startup

Science

Divulgation

Education (tech/regulation)

Assessment and design thinking

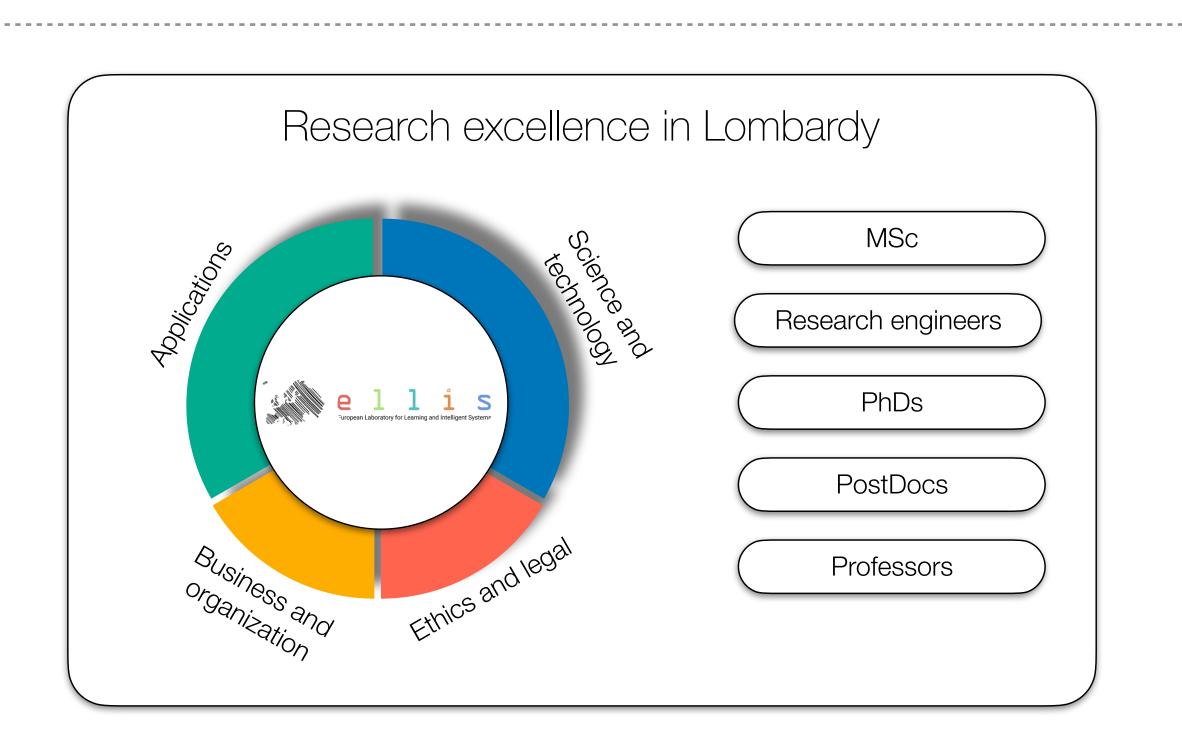
Project supervision (tech/regulation)

Development (tech/regulation)

Research line definition

Collaborative research





Network of Al companies

Al Adoption

Management
Public admin.

Client company
Startup

New Al Technologies

Management

Adoption

Technology

Science

Public stakeh.

Tech company

Innovative startup

Divulgation

Education (tech/regulation)

Assessment and design thinking

Project supervision (tech/regulation)

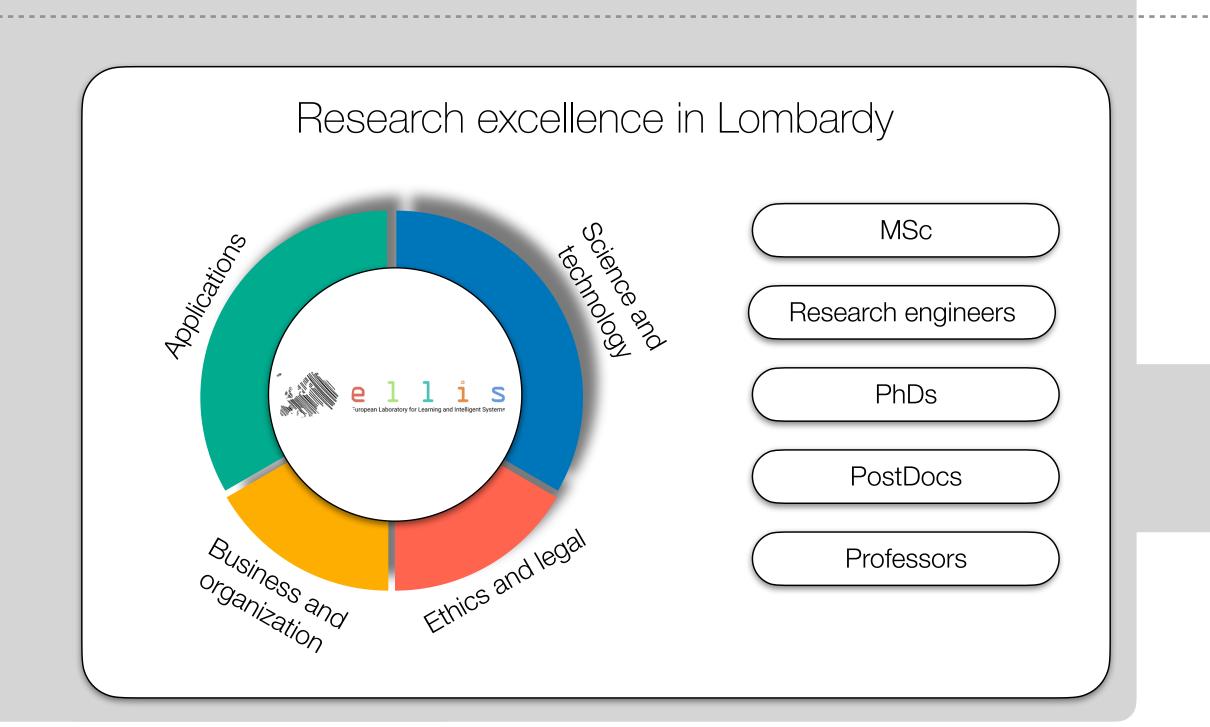
Development (tech/regulation)

Research line definition

Collaborative research

Services to citizens





Network of Al companies

Al Adoption

Management
Public admin.
Client company
Startup

Management

Adoption

Technology

Science

New Al Technologies

Public stakeh.

Tech company

Innovative startup

Divulgation

Education (tech/regulation)

Assessment and design thinking

Project supervision (tech/regulation)

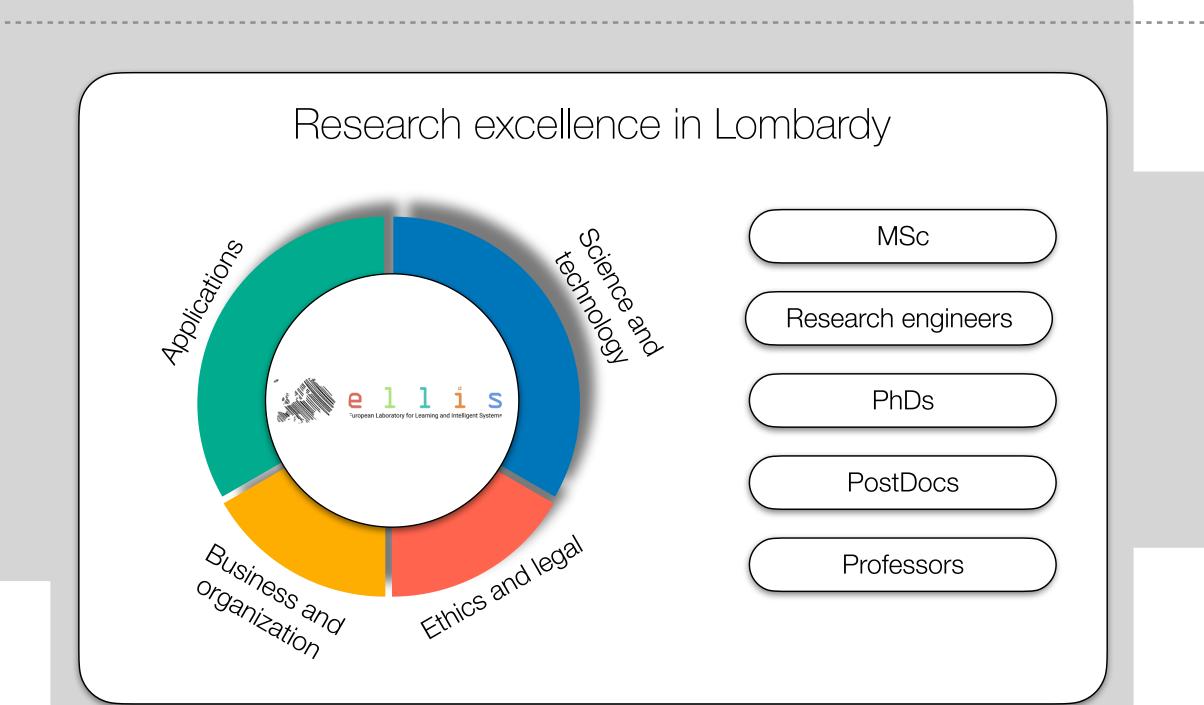
Development (tech/regulation)

Research line definition

Collaborative research

Services to companies





Network of Al companies

Al Adoption

Management

Public admin.

Client company

Startup

Management

Adoption

Technology

Science

New Al Technologies

Public stakeh.

Tech company

Innovative startup

Divulgation

Education (tech/regulation)

Assessment and design thinking

Project supervision (tech/regulation)

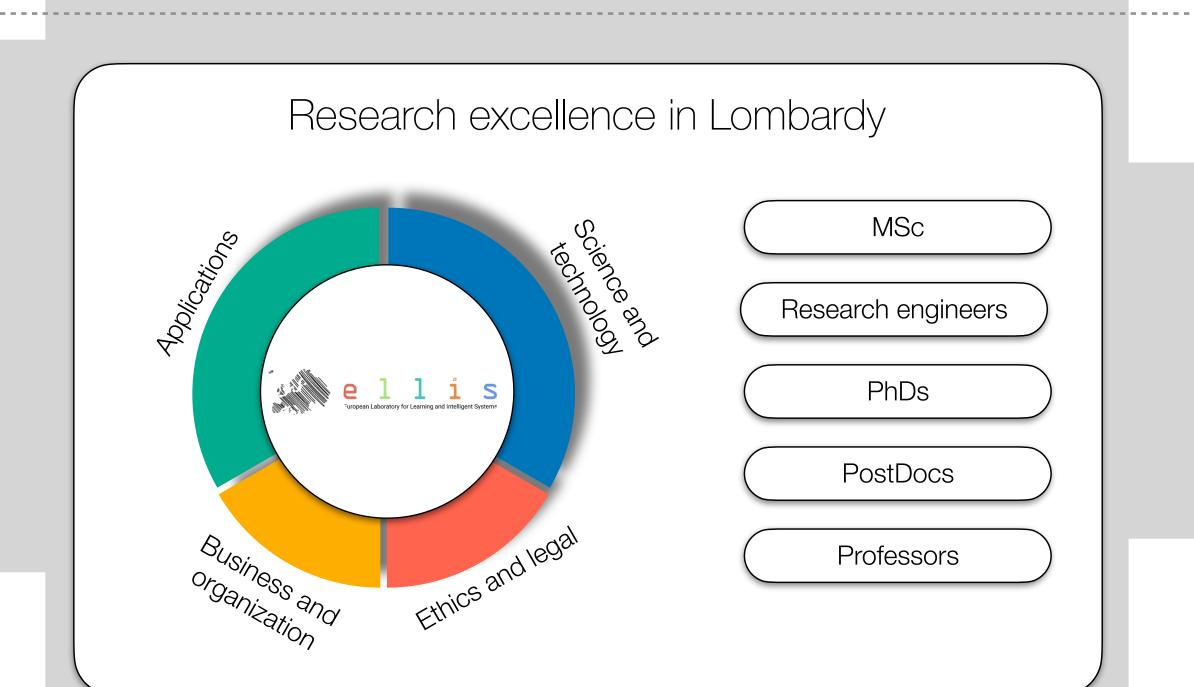
Development (tech/regulation)

Research line definition

Collaborative research

Services to companies





Network of Al companies

Al Adoption

Management

Public admin.

Client company

Startup

New Al Technologies

Management

Adoption

Public stakeh.

Technology

Science

Science

Divulgation

Education (tech/regulation)

Assessment and design thinking

Project supervision (tech/regulation)

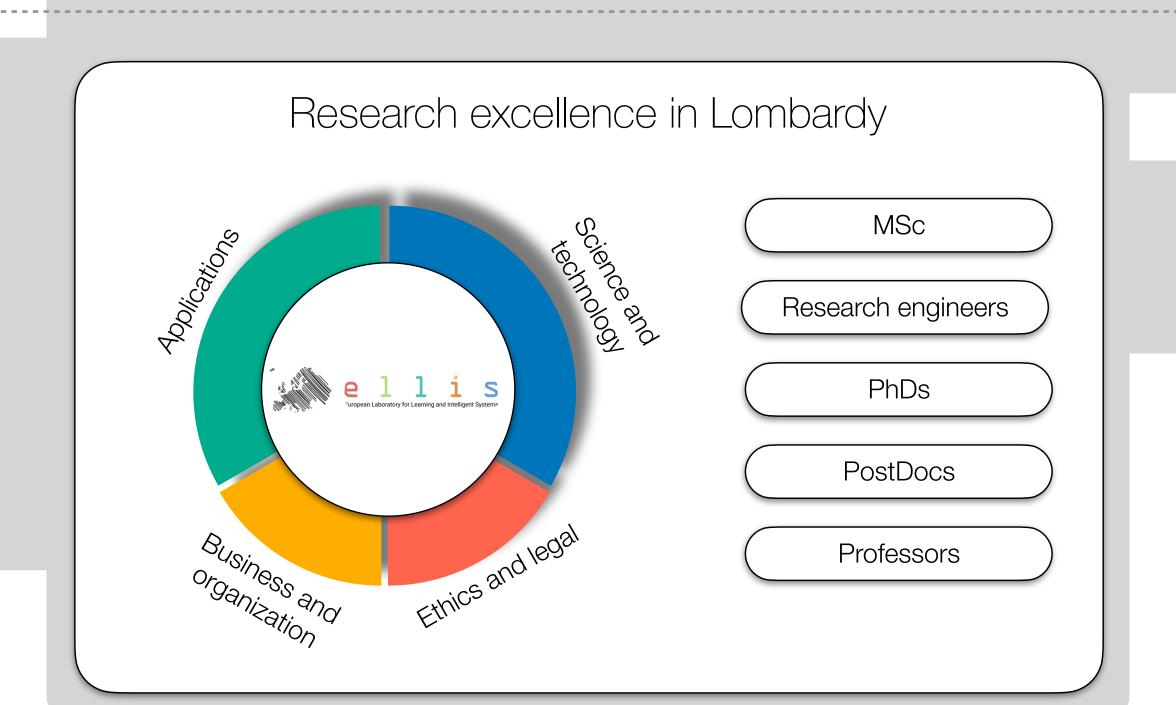
Development (tech/regulation)

Research line definition

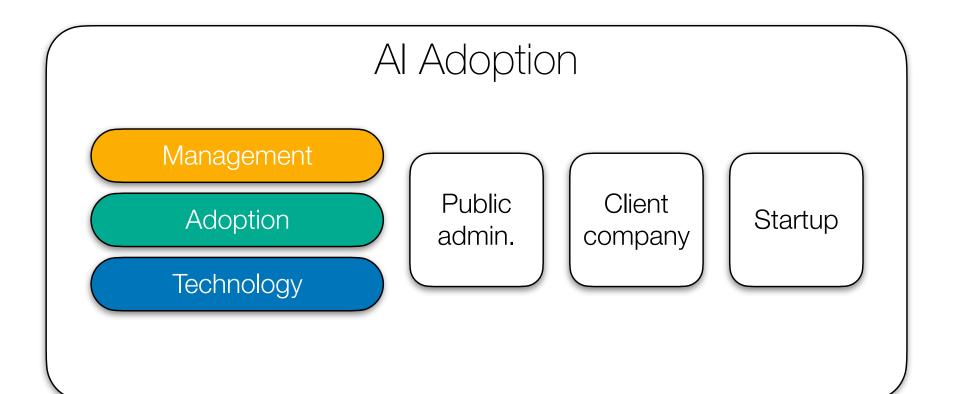
Collaborative research

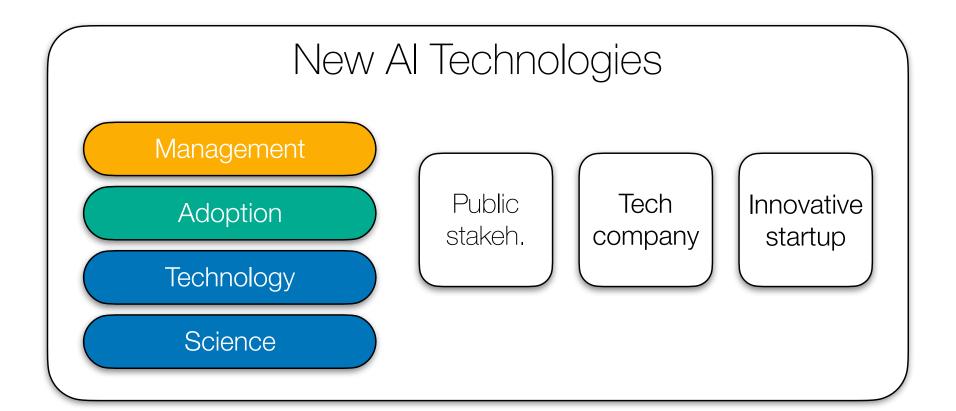
Services to companies





Network of Al companies





Divulgation

Education (tech/regulation)

Assessment and design thinking

Project supervision (tech/regulation)

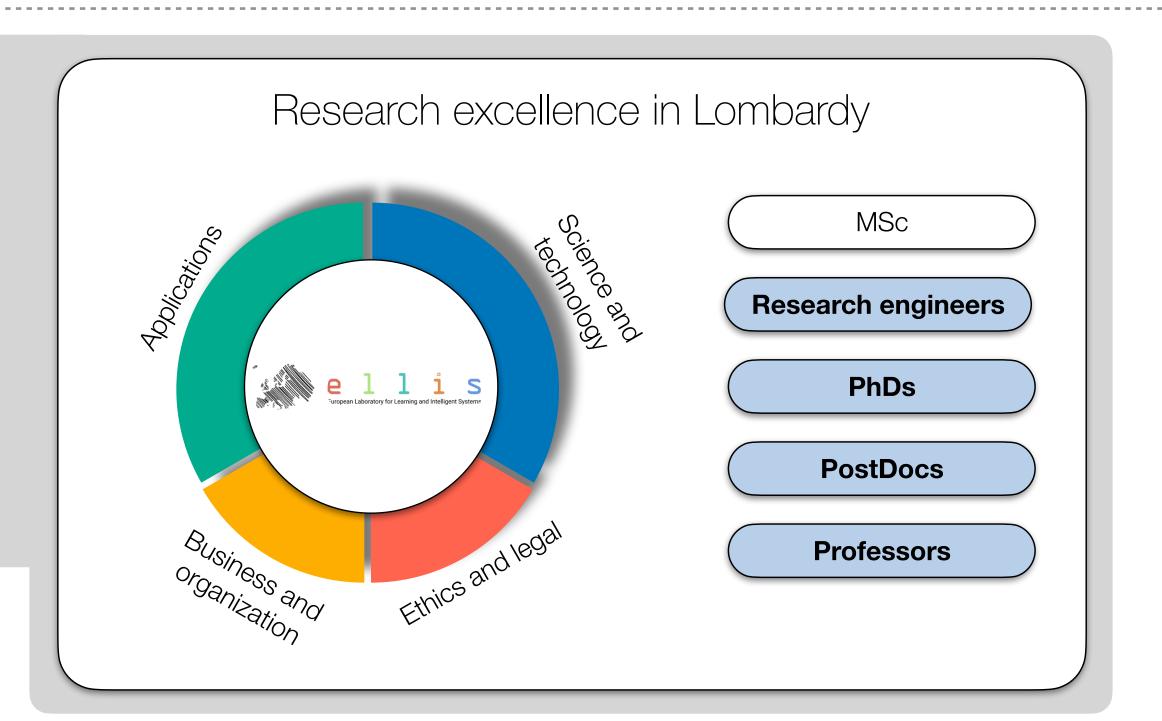
Development (tech/regulation)

Research line definition

Collaborative research

Strengthening scientific research





Network of Al companies

Al Adoption

Management
Public admin.

Client company
Startup

New Al Technologies

Management

Adoption

Public stakeh.

Tech company

Innovative startup

Science

Divulgation

Education (tech/regulation)

Assessment and design thinking

Project supervision (tech/regulation)

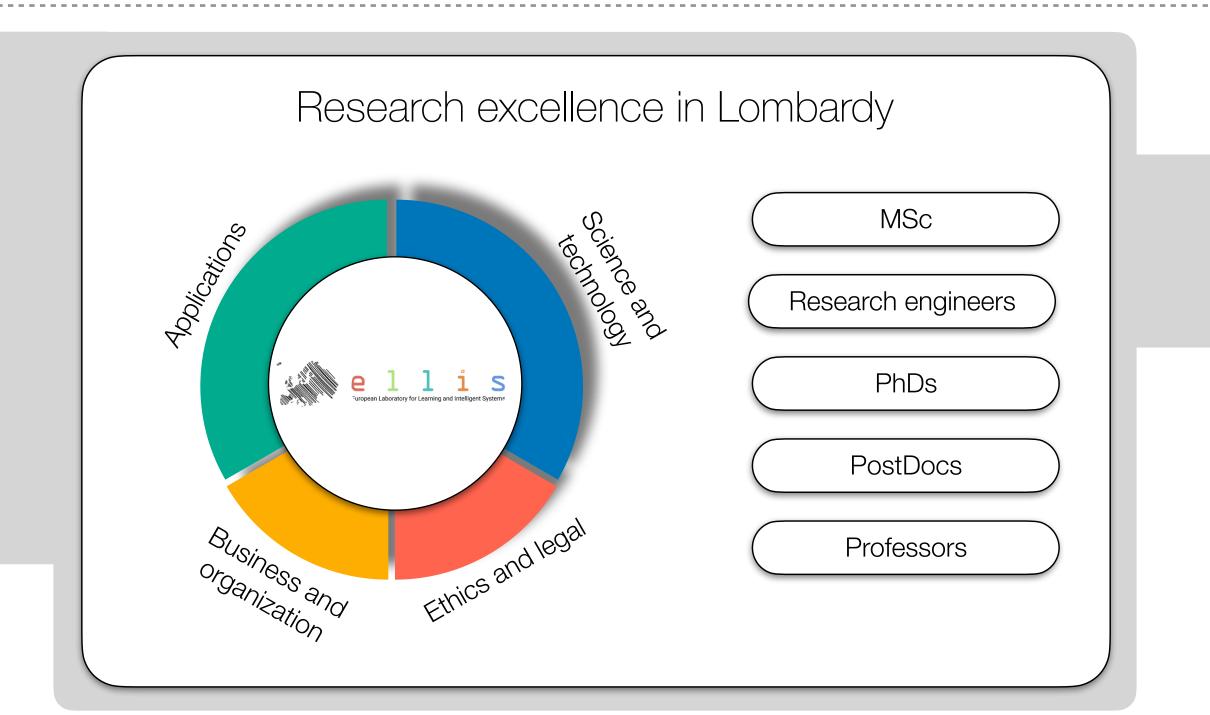
Development (tech/regulation)

Research line definition

Collaborative research

Communication

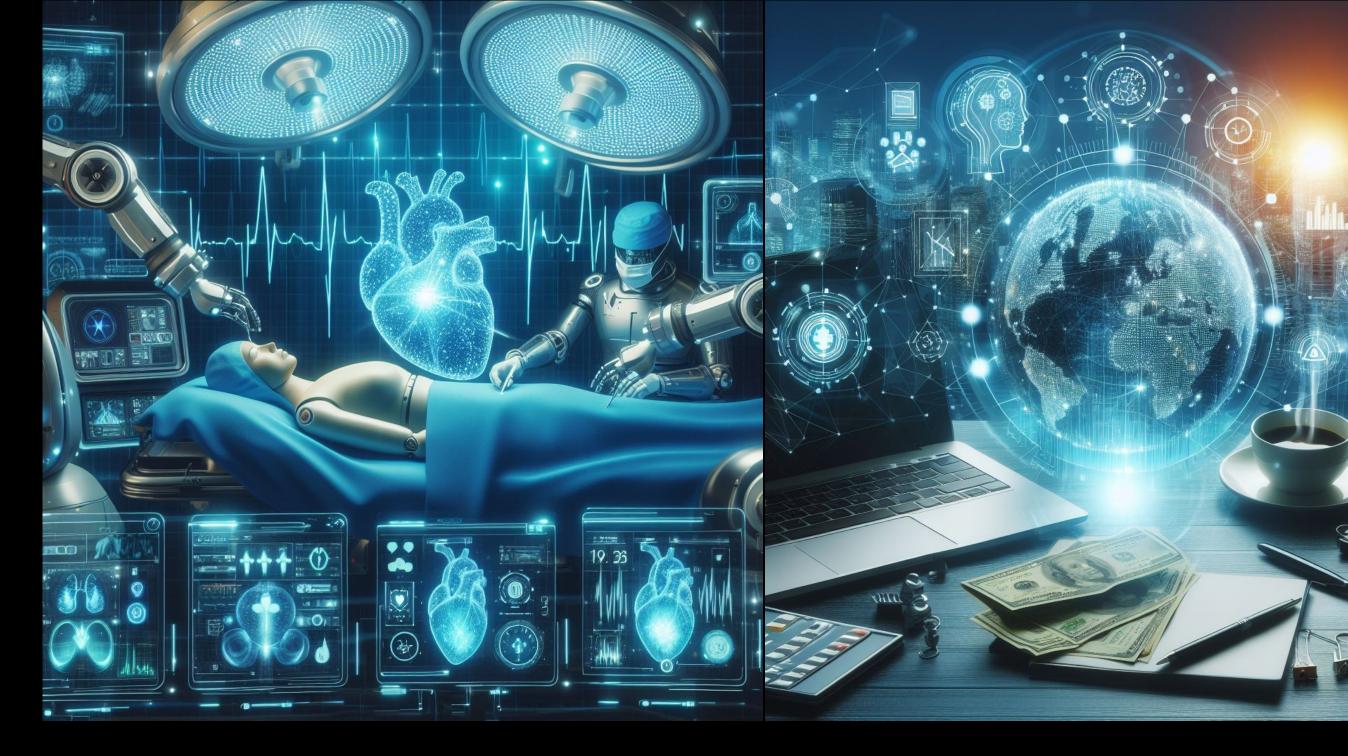




Network of Al companies

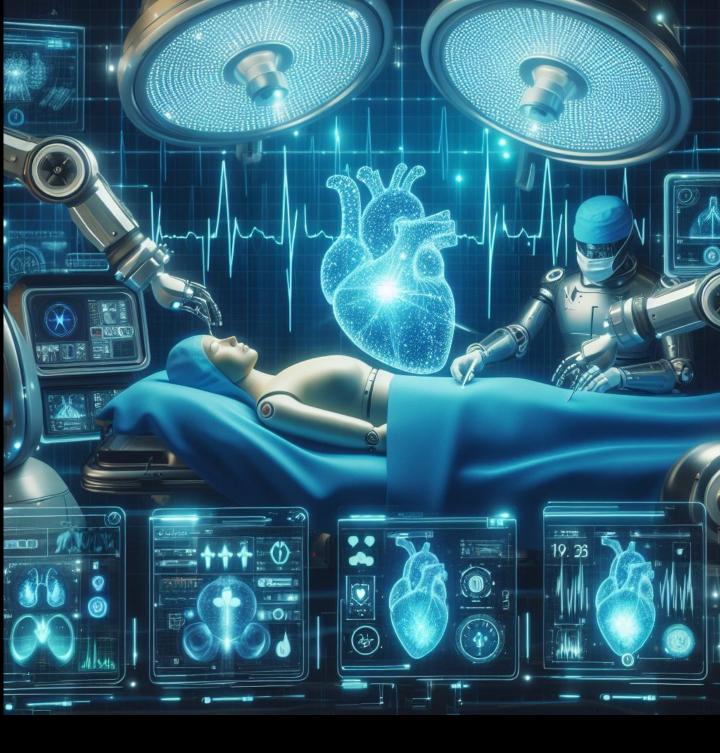
We recommend to focus on four areas

Al for Health



Al for Finance and Commerce

Al for Health





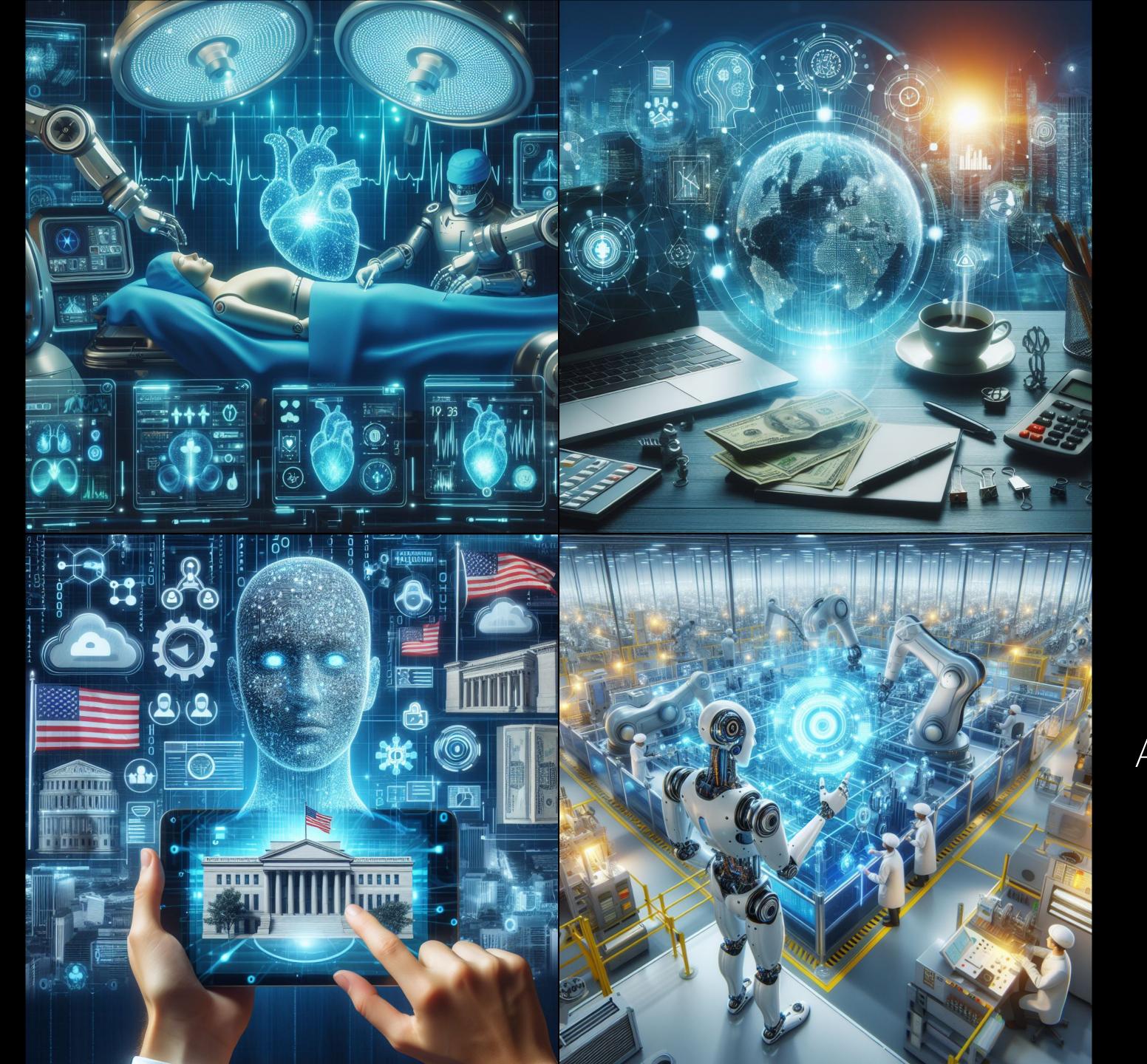
Al for Finance and Commerce



Al for Health

Al for Health

Al for Society and Democracy



Al for Finance and Commerce

Al for Manufactoring