

AI4Belgium



National AI strategies in Europe:
Where are we now and what's next?

Webinar: 22 June 2021

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“This is not a document written by an Artificial Intelligence”

Alan Turing emulating René Magritte



AGORIA



BNVKI
BAIAI



The future is now !

#SmartNation #artificialintelligence

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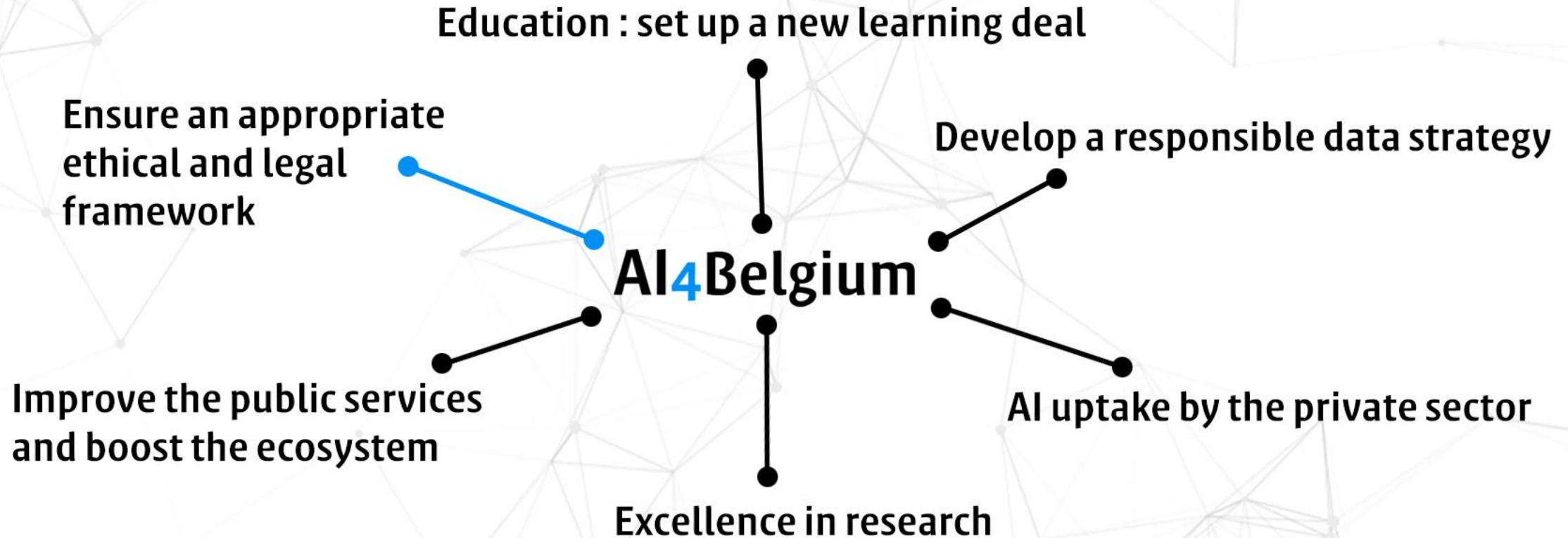


BNVKI
BAIAI





AI4Belgium Strategy : 6 axes



AI4Belgium

AI4Belgium is a grassroots community that enables Belgian people and organizations to capture the opportunities of AI while facilitating the ongoing transition responsibly. This coalition brings together key AI players from the public sector, private sector, academia and civil society. AI4Belgium has the ambition to position Belgium, including its regions, in the European and global AI landscape.



320+ organizations; 1700+ experts ; 30000+ attendees to activities

AI4Belgium

Activities

Observatory & technico-economic watch

Consultation Platform (EU, OECD, CE, UNESCO, GPAD)

Agenda of Activities

Strategy & Policy Support

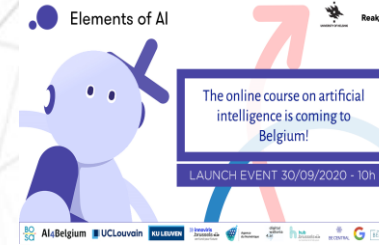
Ecosystem Enabler & Operations System

Contact Point & One-stop-shop

Working Groups Coordination

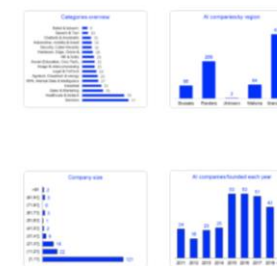
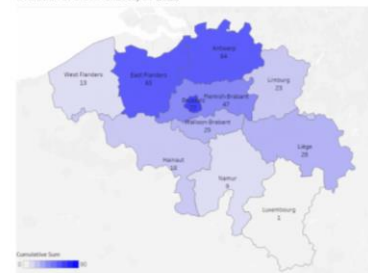
Events organizer

AI4EU Contact Point



Evolution of the AI landscape

Evolution of the AI landscape - 2018



About the landscape

All startups and scaleups displayed on the Belgian AI Landscape have AI at their core or exhibit a significant usage of AI. They were founded less than 10 years ago or pivoted their core business model less than 10 years ago. Their headquarters or founder are based in Belgium. Each startup was verified.



AI4Belgium

Working Groups Overview

	AI4Gov	AI4Good	AI4Industry	AI4Services	AI4Health	AI4Energy	AI4Mobility
Ethics & Law							
Future of Work & Skills							
Data Governance							
Security & Safety							
Infrastructure							

Upcoming Working Groups include AI4Media and AI4Art & Design

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Identify 2 co-leads : one more operational;
the other one recognized as a key personality
in the domain



Working Group "Process"

Organize an internal kick-off with the main
stakeholders >> orientation note, with general
objectives; trying to identify first milestones

Kick-off with an
international speaker



Kick-off to evaluate how the
audience agrees on the objectives
=> Poll after the event



Identify possible task forces
with short term objectives

2nd event putting forward
the Regional Initiatives



Definition
of the roadmap

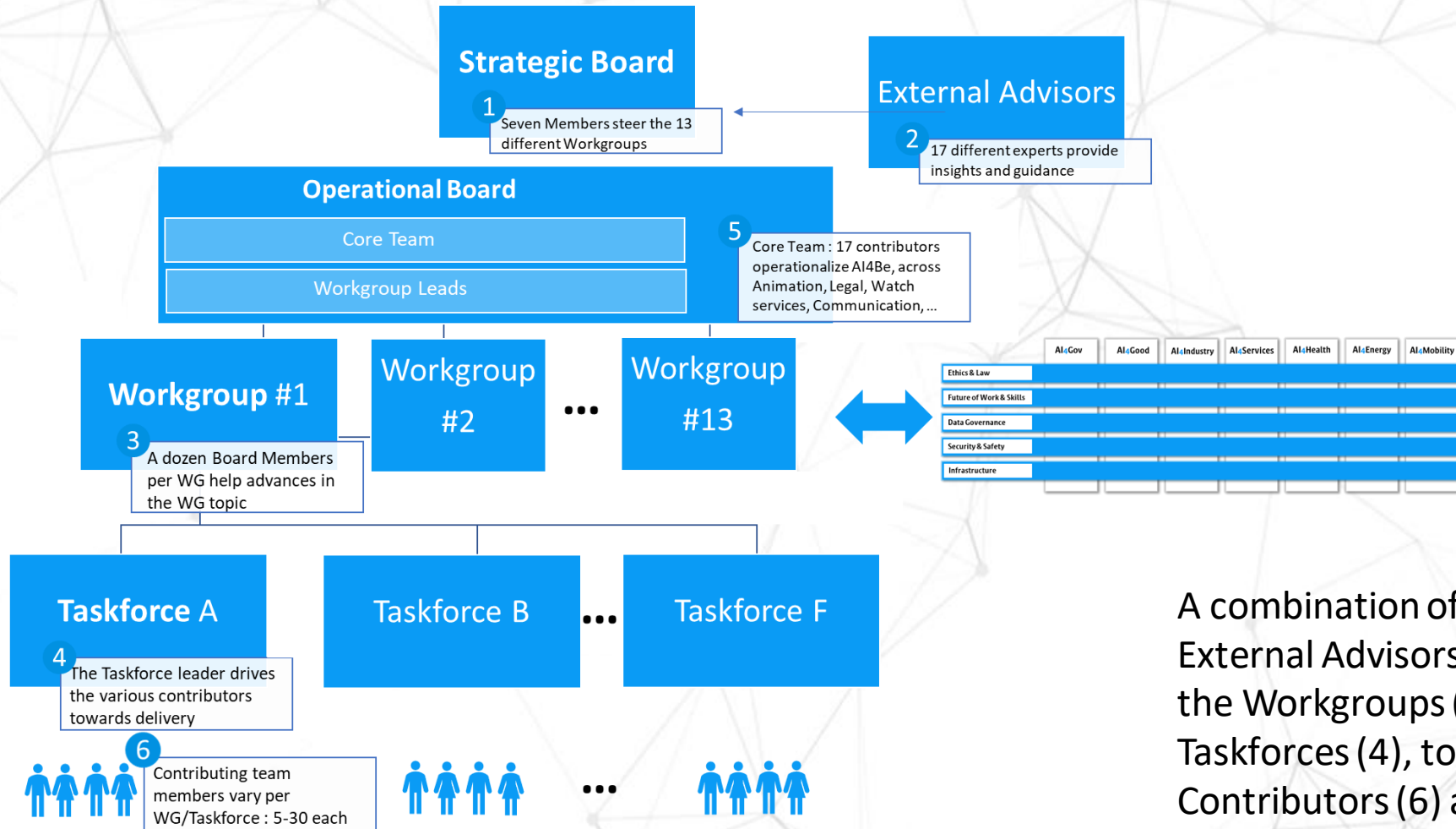


Launch of the task forces, in // finding
the budget or adequate partnership

>> define a broader governance for each WG >> Plenary sessions : 2 to 3 per year

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AI4Belgium Boards, Workgroup and Taskforce



A combination of Strategic Board (1), supported by External Advisors (2) and the Core Team (5), steers the Workgroups (3), each being segmented in Taskforces (4), to get several hundreds of Contributors (6) at work



Belgian AI Landscape

Belgian Companies (startups, scaleups)

www.ai4belgium.be/ai-landscape

- 439 companies
- 200M investment per year (exp growth)
- TOP 5 industries : HealthTech, Manufacturing, Business Intelligence, MadTech, FinTech, HR Tech
- 8% Belgian AI startups with a branch in NL
- several programs are launched for the AI uptake by Belgian Companies



Belgian AI applications within public sectors

- Survey launched,
- Finances, Justice, Police, Social Security
- AI4GOV Hackathon

Research and tech transfer

- 2300 researchers
- High productivity in scientific publications
- covers all AI technologies
- Challenges : AI-Driven Data Science, AI in the Edge, Multi-agent collaborative AI, Human-like AI
- Main application domains : Health, Industry4.0, Ethics & Law, Energy, Logistics, Education, Creative Industry
- Programs : AI Flanders Program, Digital Wallonia4.ai, in preparation Brussels AI Plan, new version of Federal AI Plan
- Entities : IMEC, Vlaamse AI Academy, Data & Maatschappij Kennis Centrum, TRAIL, FARI, 9 Universities + Research Centers (SiRRIS,

Tech Savvyness / Belgian Economy

AI

- Global AI Index 24th rank in 2020
- 17% of the companies integrate AI solutions
- Vivace and growing ecosystem supported by strong regional plans
- 40 to 50 millions a year on AI from Regional Plans

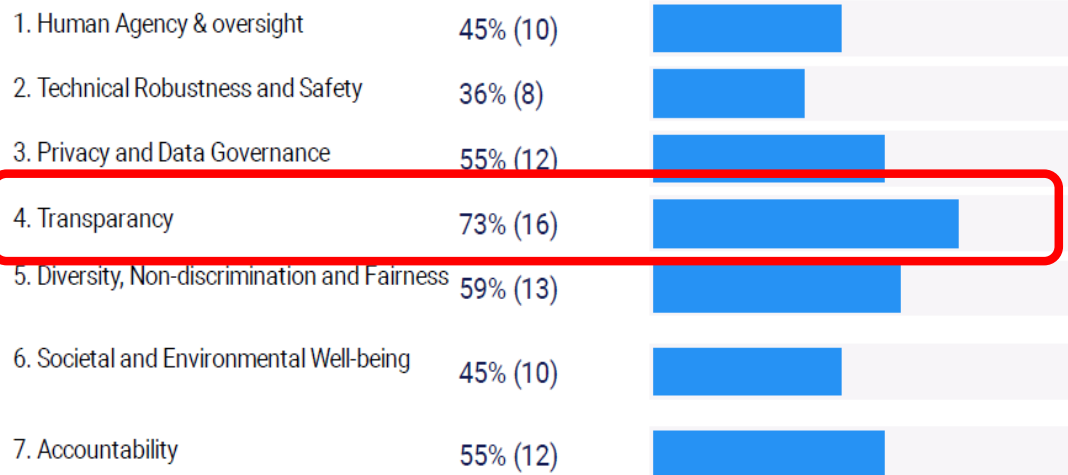
Other International benchmark

- High speed and capacity networks (cfr. DESI)
- Use of Digital Technologies in the companies:
 - delen van elektronische informatie, Big Data, Cloud en (grensoverschrijdende) onlineverkoop (cfr. DESI)
- Offer for Digital Public Services (cfr. DESI)
- Use of social network and internetbankieren (cfr. DESI)
- Proactivity (public services, cfr. OECD DGI)
- Human Capital (cfr. UN EGDI)

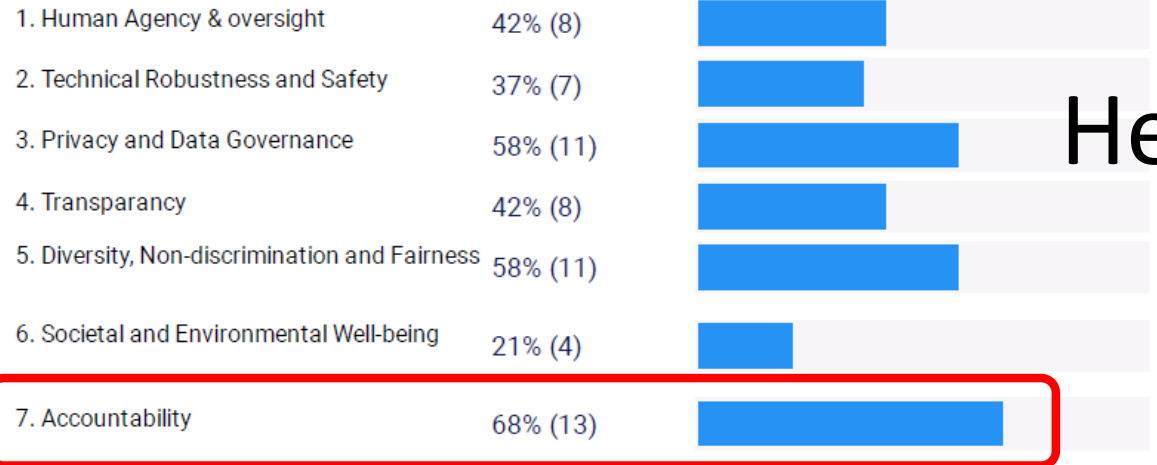
AI Ethics Assessment Tool

GOV

4. Which of these topics in the AI Assessment List are most challenging for you in developing trustworthy AI? (multiple answers may apply)

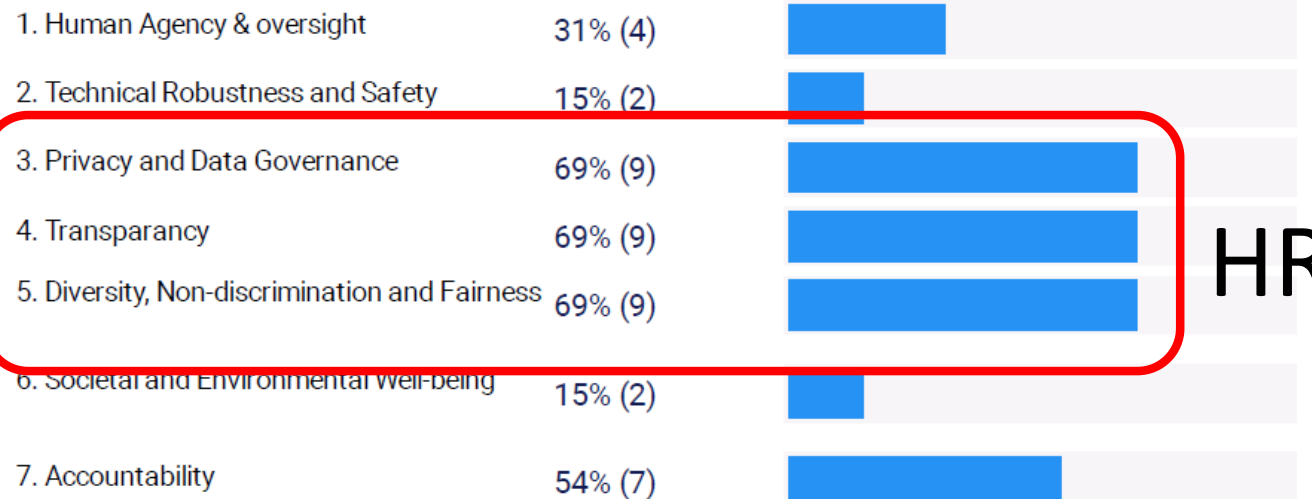


3. Which of these topics in the AI Assessment List are most challenging for you in developing trustworthy AI? (multiple answers may apply)



Health

3. Which of these topics in the AI Assessment List are most challenging for you in developing trustworthy AI? (multiple answers may apply)



HR

Adoption of AI in Belgian Hospitals Barometer

- 98% of hospitals in Belgium participated in the inquiry
- 90% + View AI as positive/very positive development
 - 68% improve decision making
 - 60% reduce risks
 - 57% free up time for added value tasks
- 86% think AI will have a great impact on hospitals in the next 5 years
- Four top priorities
 - Identification of use cases
 - Monitoring and follow-up
 - Interpreting test results
 - Prevention and diagnosis

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L'actualité des médecins spécialistes

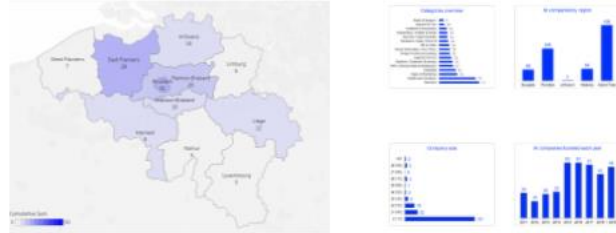
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Belgian AI Landscape – Startups and Scaleups

Evolution of the AI landscape

Evolution of the AI landscape - 2013

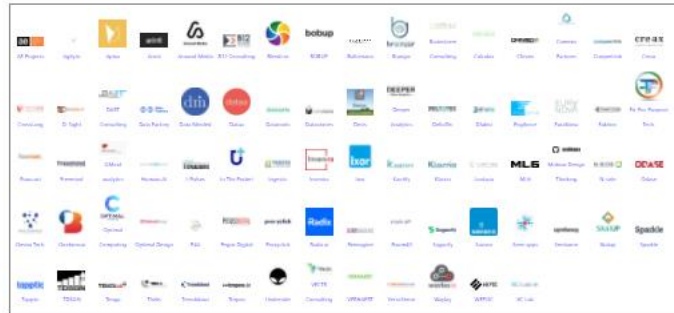


About the landscape

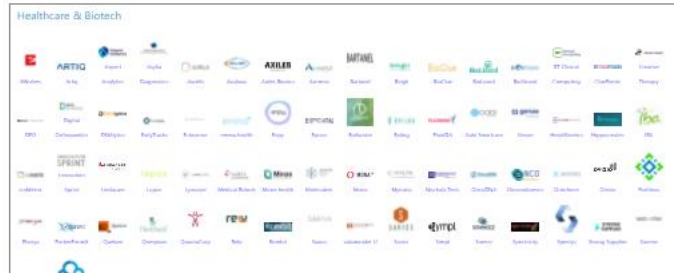
All startups and scaleups displayed on the Belgian AI Landscape have AI at their core or exhibit a significant usage of AI. They were founded less than 10 years ago or pivoted their core business model less than 10 years ago. Their headquarters or founder are based in Belgium. Each startup was verified.

Filter by region: Filter by year of creation:

SERVICES



SECTORS



<https://www.ai4belgium.be/ai-landscape>



Germany Sweden France Europe

European AI Startup Landscape

Top AI Startups in Germany, Sweden and France

Motivation

With the objective to foster and accelerate AI in Europe, appliedAI by UnternehmertUM (Germany), Ignite Sweden, AI Sweden and RISE Research Institutes of Sweden (Sweden) came together in early 2020 to start the initial steps in mapping the AI startup ecosystem in Europe.

It is essential to shine a light on the top AI startups in Europe in order to drive AI adoption and create more partnership opportunities between startups and corporations. By creating a centralized database of quality AI startups, corporations and SMEs will have easier access to AI partners they can trust.

Why is it so important to bring together AI startups and corporations? There are several reasons why collaboration between startups and fully developed companies is the best option, not only for both parties – but for the economy as a whole. First, while almost all companies require a broad selection of AI solutions, startups focus on one specific niche. They provide the necessary solutions with the latest technology. Secondly, AI systems increase in performance with more data and applications. Therefore, in non-competitive use cases, a technology from a startup that supplies many companies tends to perform better than a stand-alone solution for one specific application in one company. Additionally, AI is a fundamentally challenging task to implement in the eye of a rapidly increasing need to develop new roles, adapt processes, collect data, hire new skills, or work in agile settings. Partnering with startups helps companies to get rid of some of these challenges and allows them to focus on value creation.

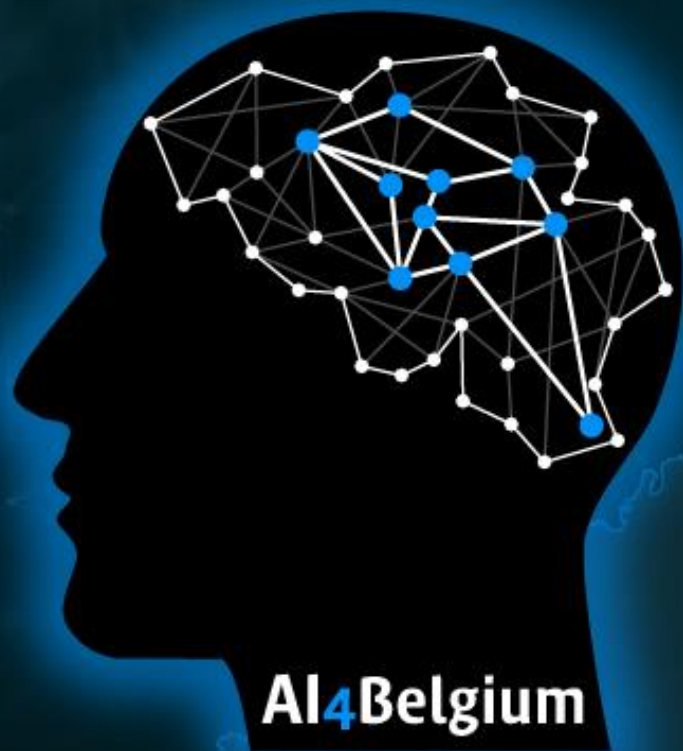
On November 17, 2020 during the virtual Sweden Innovation Days event the first version of the landscape was presented which includes over 500 startups from France, Germany and Sweden. Supported by the German Entrepreneurship and the German Accelerator program as well as Vinnova, Sweden's Innovation Agency - appliedAI (Germany), Ignite Sweden, AI Sweden, RISE Research Institutes of Sweden (Sweden) as well as Hub France IA (France) developed a list of the top AI startups in their respective countries which have been combined here to provide an overview of the best AI startups in Europe. The goal of this landscape is to give companies guidance and promising startups a visible platform, benefiting both parties and driving the adoption of AI.

Following the initial launch of the German/Swedish/French landscape, other European AI initiatives will be asked to participate in order to grow the landscape to include startups from more countries.

HOW TO USE THE LANDSCAPE

- Below you can view all startups sorted via their primary category within the clusters of industry, Technology Type, Enterprise Intelligence or Enterprise Function.
- You can also search for startups via their name or keywords found in their description.
- Hover over the logo and click the magnifying glass to read the full company description, or click the logo directly to head to the startups website and learn even more.
- Below the map you can find a table with all startups listed with even more details including secondary categories.

[https://www.ai-startups-europe.eu \(ai-startups-europe.eu\)](https://www.ai-startups-europe.eu (ai-startups-europe.eu))



AI Week

The European Artificial
Intelligence Week

March 14-18 2022

Food for thoughts

- Combine bottom up and top down approach, engage people
- Open innovation (quadruple helix) approach must be encouraged
- Skills is key and uptake by the all the actors are the main challenges
- Sensibilization of the citizen is needed for trust
- Story telling & mapping in Europe are needed to retain and attract talents
- Integrate AI strategies in Digital strategies

Join the coalition on www.ai4belgium.be/join-ai4belgium

or follow on :



AI 4 Belgium is a community-led approach to enable Belgian people and organizations to capture the opportunities of AI while facilitating the ongoing transition responsibly. AI 4 Belgium has the ambition to position Belgium in the European AI landscape.

Download the report EN - NL - FR	Discover the survey NL - FR	Join AI4Belgium
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BO SA Al4Belgium

HUB
FRANCE 



AXTAN



Technology Transfer Manager



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