



AI4Belgium

The adoption of AI in Belgian Hospitals

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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.



AI4Belgium partners & prospects



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

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Observatory & technical-economic watch

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

Agenda of Activities

Strategy & Policy Support

Ecosystem Enabler & Operations System

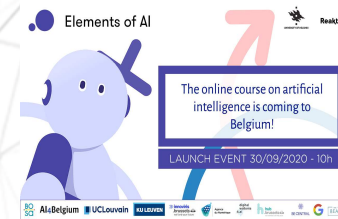
Contact Point & One-stop-shop

Working Groups Coordination

Events organizer

AI4EU Contact Point

Activities

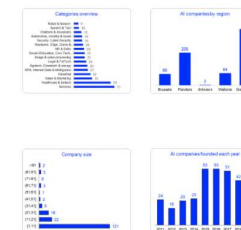
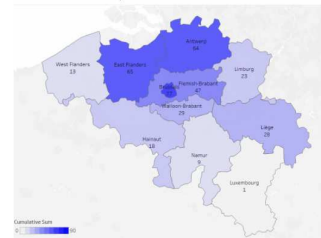


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Evolution of the AI landscape

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.



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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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AI4Health National Working Group



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*“Allow **progress** for the **health ecosystem***

*through artificial intelligence by **creating opportunities** for*

research, innovation and business

*in close cooperation **with all the different actors.**”*



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AI4Health: Plenary sessions overview



+ AI4Health World Summit, and many more...

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1. Stimulate AI adoption in healthcare



*Patients, healthcare providers and governments are already benefiting from AI in healthcare. However, to truly unlock the full potential further advances should be made. These efforts are necessary to **embed AI technology in the daily practice** in healthcare and more AI applications can effectively be **further developed**.*



Adoption Task Force actions:

- Define the level of AI maturity in hospitals and determine areas of opportunity → BAROMETER
- Organize a workshop on how to successfully implement AI-projects in hospitals → AI4Hospitals workshops

2. Build climate of trust



*To successfully implement AI applications in healthcare, **trust** will be essential. **Education** on how AI works and a transparent **regulatory framework** will play a central role herein.*



Education Task Force action:

- Developing learning opportunities for healthcare providers

3. Provide an ethical framework



An *ethical and robust* framework on AI, both from a technical and social perspective, are from the utmost importance in healthcare. This will act as *the foundation* to implement truly beneficial AI in the daily practice for healthcare providers.



Team-up with AI4Law&Ethics:

- Develop an Ethics online assessment tool dedicated to new AI4Health solutions (project starts on January 28)

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4. Data Governance



*Data governance encompasses **responsibilities** and processes for the security and **quality of data**, that is being used by organizations.*



Team-up with Data :

- Developing a reliant data governance that is future-proof

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5. AI Cartography



Who are the **major actors** in our ecosystem?



Action AI Cartography taskforce:

- Identifying and mapping all key-actors throughout the AI landscape in healthcare

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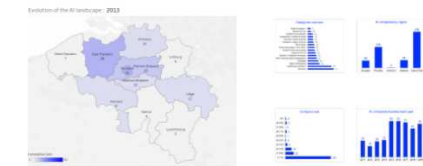
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6. AI Landscape

Belgian AI Landscape – Startups and Scaleups

Evolution of the AI landscape

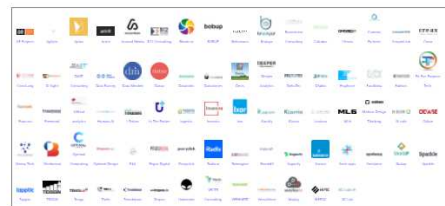


About the landscape

All startups and scaleups displayed on the Belgian AI Landscape have AI at their core or within a significant range of AI. They were founded less than 10 years ago or passed their core business model less than 10 years ago. Three founding partners or founders are based in Belgium. Each startup was verified.

Filter by region:

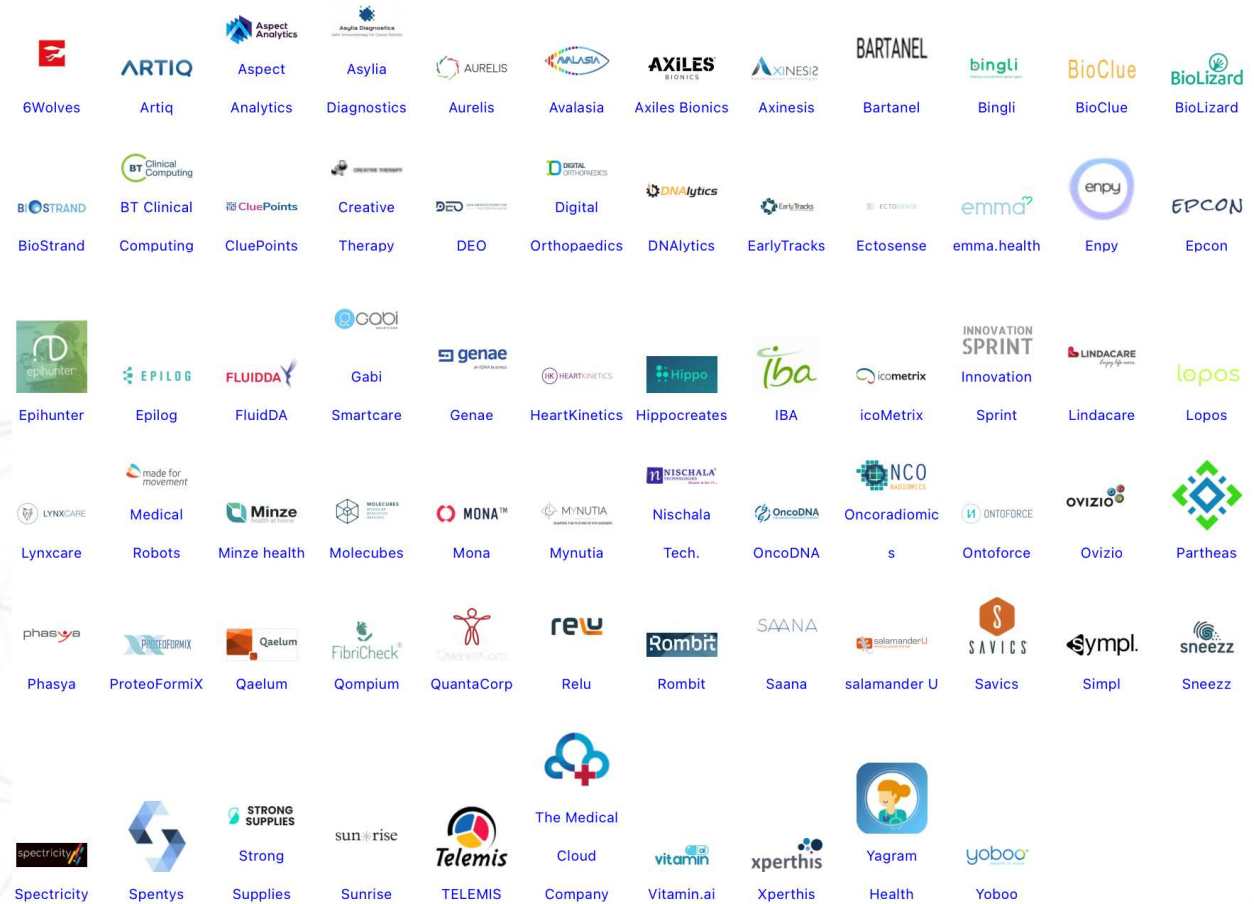
SERVICES



SECTORS



Santé & Biotechnologies



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

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The AI4Health Barometer

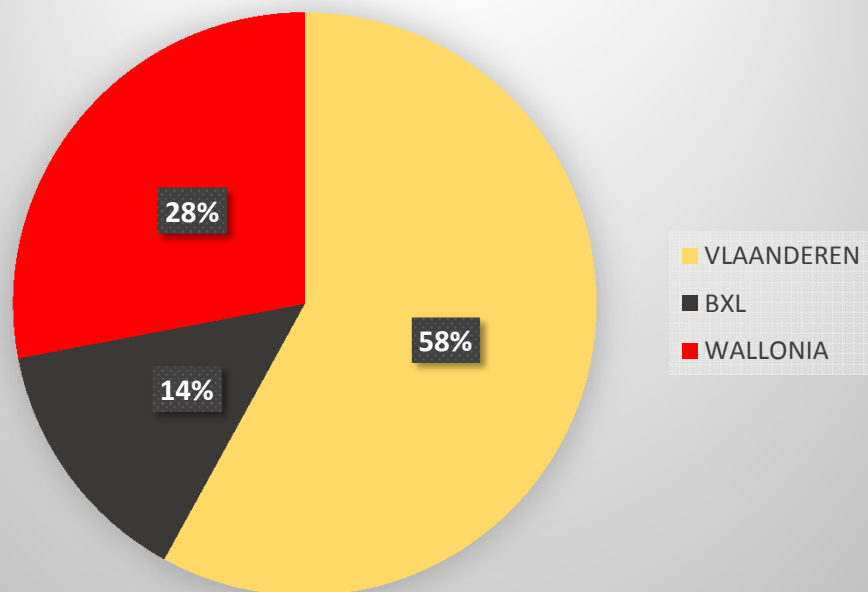
The project's rationale and background

- Collaboration between - AI4Belgium - EY – De Specialist/Le Spécialiste
- Questionnaire to doctors, hospital managers and other management
- Measure the impact of AI on the daily practise in hospitals today
 - What are the expectations?
 - What are obstacles?
 - Level of AI implementation today?
 -

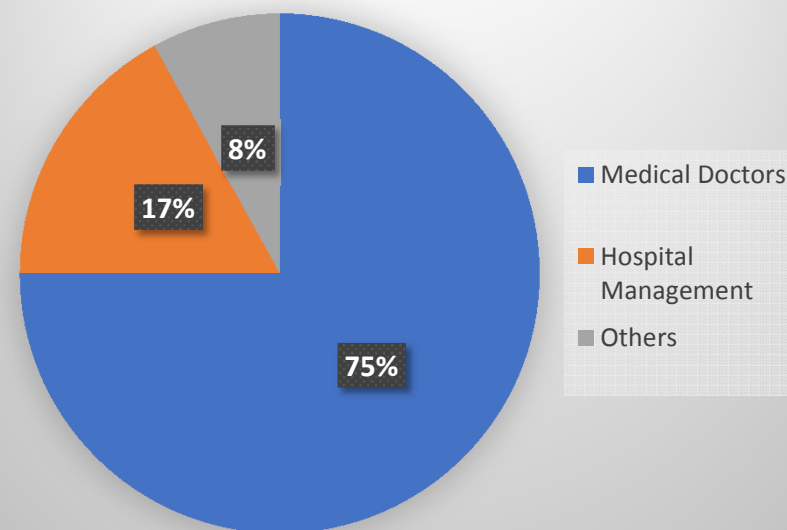


98% of Belgian hospitals participated to the survey !

REGIONS



Functions



AI at the heart of hospital strategy

95% CONSIDER AI AS IMPORTANT

86% AI WILL HAVE A STRONG HOSPITAL IMPACT IN THE NEXT 5 YEARS

90+% SEE AI AS POSITIVE DEVELOPMENT

90+% THINK IT WILL HAVE A POSITIVE IMPACT ON WORK CONDITIONS

AI is not (yet) a strategic priority

- 2/3 FR and 1/2 NL AI is not a major priority for their hospital
- 70% NL and 60% FR hospital should lead AI strategy
- 90+% developing an AI strategy is necessary or imperative
- 100% joint governances with public authorities at all levels

Which challenges to tackle?

- 80% identify use cases
- 60% Anticipate job transformation
- 68% improve decision making
- 62% FR/ 49% NL reduce errors
- 50+% free up time for added-value tasks

Perceived risks of AI adoption

- 58+% Loss of social contact
- 33% FR 23% NL
New psychosocial risks

Develop AI in chosen fields

81+% Piloting
hospital activities

75+% Research

77+% Early
diagnosis and
prevention

67+% Patient flow
optimization

69+% Support to
care activities

63+% Support
healthcare quality

60+% Support to
administrative
and logistics tasks

58+% Managing
flows

Situation in own hospital

48+% no or unknown
AI skills in hospital

66+% no or unknown
AI applications in
hospitals

Financing AI investments

46% Public-private partnerships

33+% Exclusively public

23+% Raise treatment costs if AI is applied

NA(2)

90+ Agree with the
creation of a community of
AI experts in hospitals

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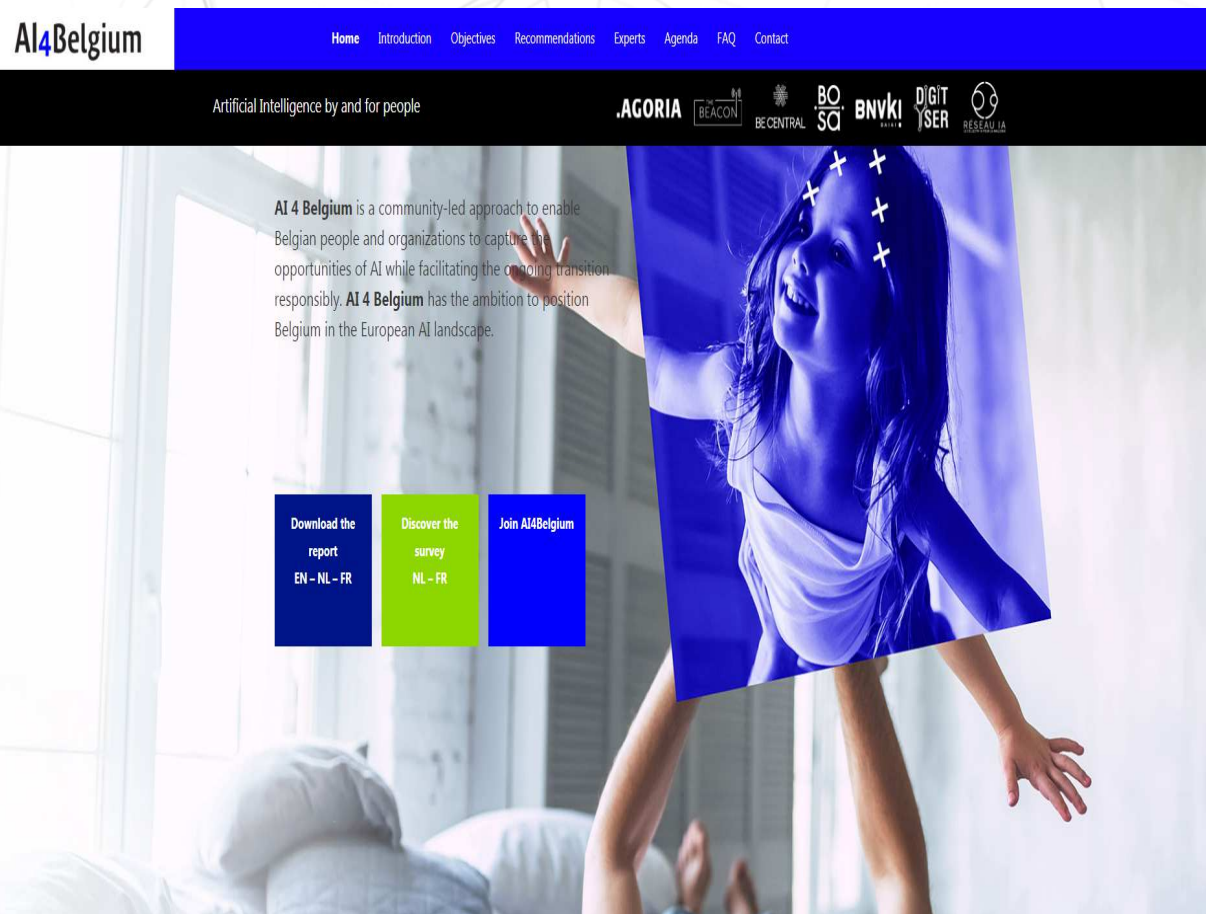
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call to action ? Join AI4Belgium AI4Health

Nathanaël Ackerman (BOSA); 2021-10-18

Stay tuned ! www.ai4belgium.be/join-ai4belgium

and follow on :



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