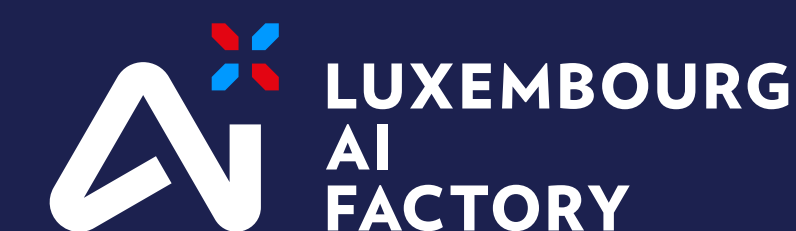


LUXEMBOURG ARTIFICIAL INTELLIGENCE ECOSYSTEM

2025 KEY FACTS
& FIGURES



Luxinnovation
Market Intelligence



MAPPING LUXEMBOURG'S AI ECOSYSTEM

UNDERSTANDING THE GROWING AI ECOSYSTEM

An increasing number of organisations in Luxembourg are innovating, developing and using AI technologies. To better understand this booming field, Luxinnovation has produced a mapping of Luxembourg entities involved in the AI value chain, covering over 600 organisations.

The mapping highlights the different types of organisations contributing to the AI value chain: AI technology providers, AI solution developers, innovative AI users, potential data providers, AI support communities, and private investors and incubators.

This document provides further in-depth insights about the AI ecosystem. It analyses the organisations included by category, age, specialisation and targeted market.

ECOSYSTEM MAPPINGS BY LUXINNOVATION

The ecosystem mappings done by Luxinnovation's Market Intelligence department are based on the establishment of consolidated databases including public and private entities (organisations, companies, etc.) in Luxembourg that have similar profiles.

They can, for example, belong to the same ecosystem or sector, target the same market, or use the same technology.

The mapping of the AI ecosystem is regularly updated and improved in order to support the objectives of the Luxembourg AI Factory. This report is based on data from December 2025.

AI ECOSYSTEM OVERVIEW

644 entities, positioned all along the AI value chain, make up Luxembourg’s AI ecosystem.

The scope of the Luxembourg AI mapping was defined according to the “*Call for the selection of Hosting Entities for acquiring or upgrading EuroHPCsystems with AI capabilities and establishment of associated AI Factories*”.

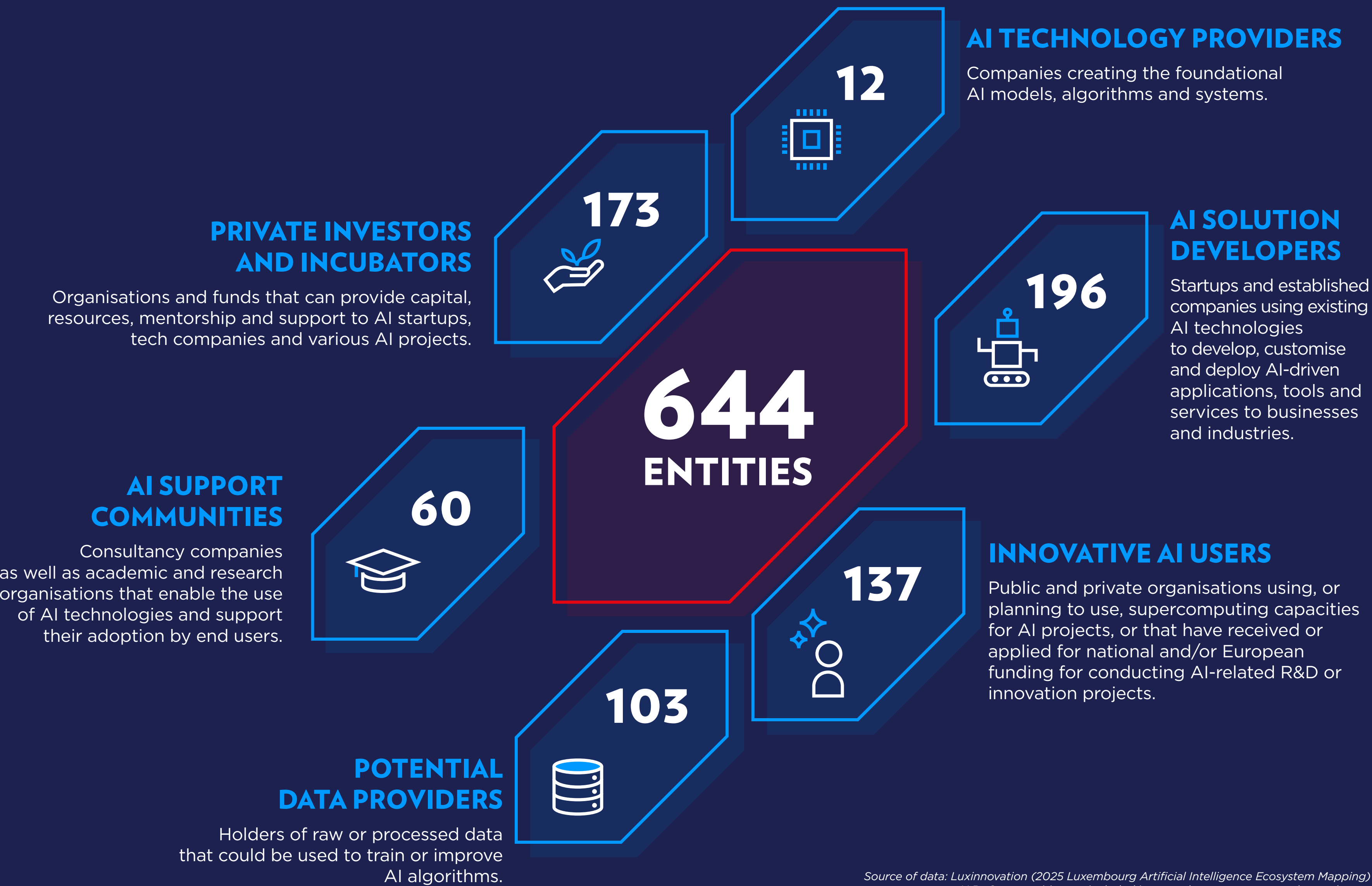


Figure 1:
Numbers and categories
of stakeholders shaping the
Luxembourg AI ecosystem

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping)
N.B.: Some entities are included in more than one category where relevant.

AI SOLUTION DEVELOPERS

AGE OF COMPANIES

The great majority of the Luxembourg startups and established companies developing AI solutions were created less than 10 years ago.

Over the last ten years, the number of Luxembourg entities specialising in developing artificial intelligence solutions and services has increased considerably. The main acceleration has taken place during the last 5 years.

65% of the Luxembourg entities deploying AI-based services and solutions are startups incorporated in Luxembourg less than 5 years ago. Another 20% can be considered as scaleups, as they were incorporated 6 to 10 years ago.

Almost one-fifth (14%) of the companies are well-established companies, incorporated in Luxembourg between 2005 and 2015.

Only 1% of the companies deploying AI-based services or solutions have been in business for more than 20 years.

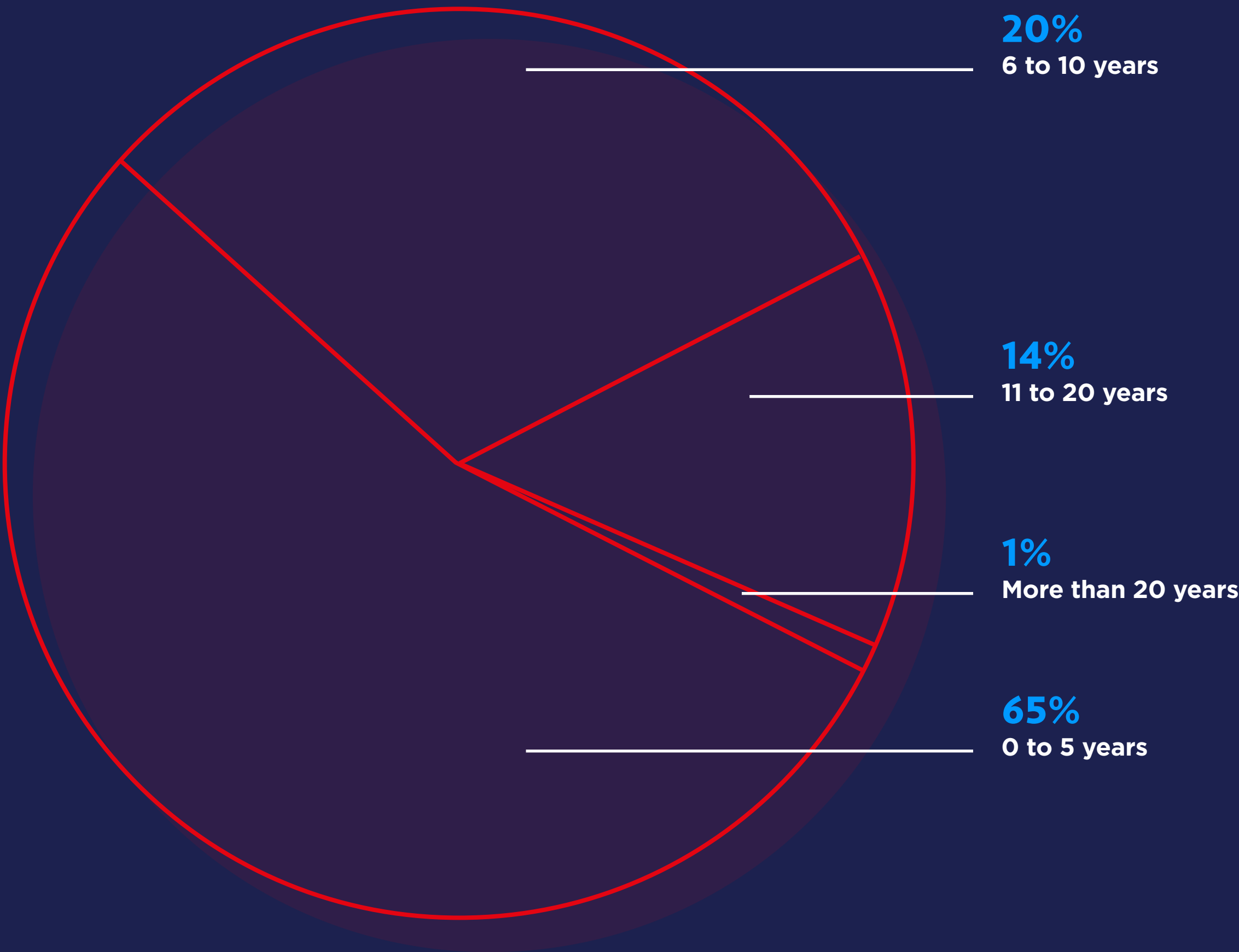


Figure 2:
Percentage of Luxembourg AI solution
developers according to age
(since incorporation date)

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping)

AI SOLUTION DEVELOPERS SPECIALISATION

Over half of Luxembourg's 196 AI solution developers focus on the same three target markets.

The top three markets targeted by more than half (57%) of Luxembourg companies developing AI-based solutions or services are:

- IT & Cyber (26%)
- Finance & Insurance (18%)
- Health & Wellbeing (17%)

44% of the companies target Creative Industries & Leisure, Government & Administration, Industry & Manufacturing and Space sectors.

The mobility and telecoms, energy and commerce sectors are less frequently targeted. This means that there are still opportunities on the national level to develop specific solutions targeting these sectors.

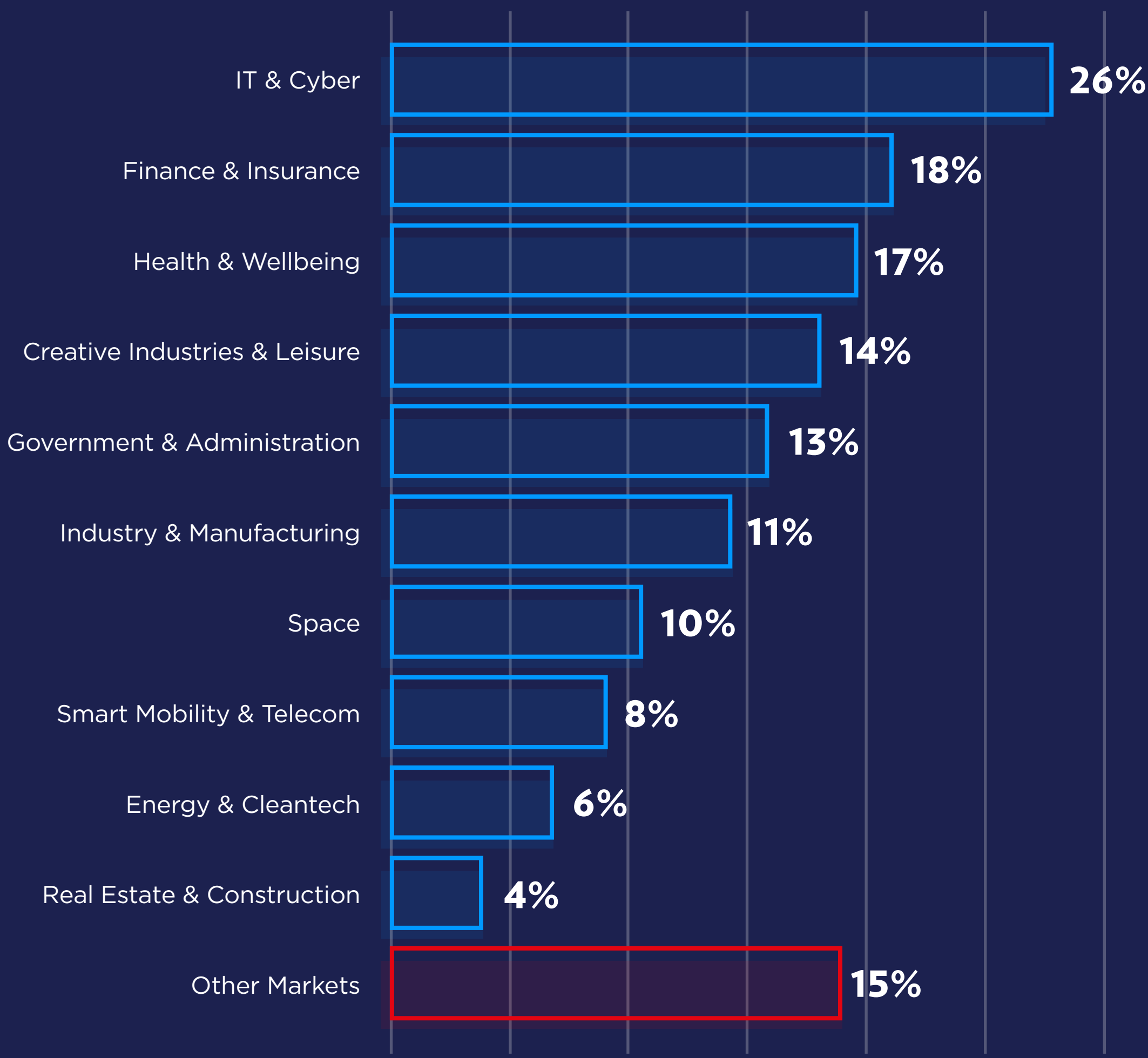


Figure 3:
Markets most frequently targeted
by Luxembourg AI solution developers
(percentage of entities)

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping)
N.B.: Some entities may target more than one market

INNOVATIVE AI USERS

SPECIALISATION

Over half of Luxembourg’s 137 innovative AI users are targeting the same four sectors.

A total of 137 public or private entities in the ecosystem are already using, or planning to use, supercomputing capacities for AI projects, or have received or applied for national and/or European funding to conduct AI-related R&D or innovation projects. Their aim is to use AI technologies to perform tasks, improve processes and make informed decision in various business functions.

The top four sectors targeted by more than half (60%) of Luxembourg’s innovative AI users are:

- Industry & Manufacturing (23%)
- Smart Mobility & Telecom (18%)
- IT & Cyber (18%)
- Finance & Insurance (17%)

39% of the innovative AI users target the Health & Wellbeing, Energy & Cleantech and Creative Industries & Leisure.

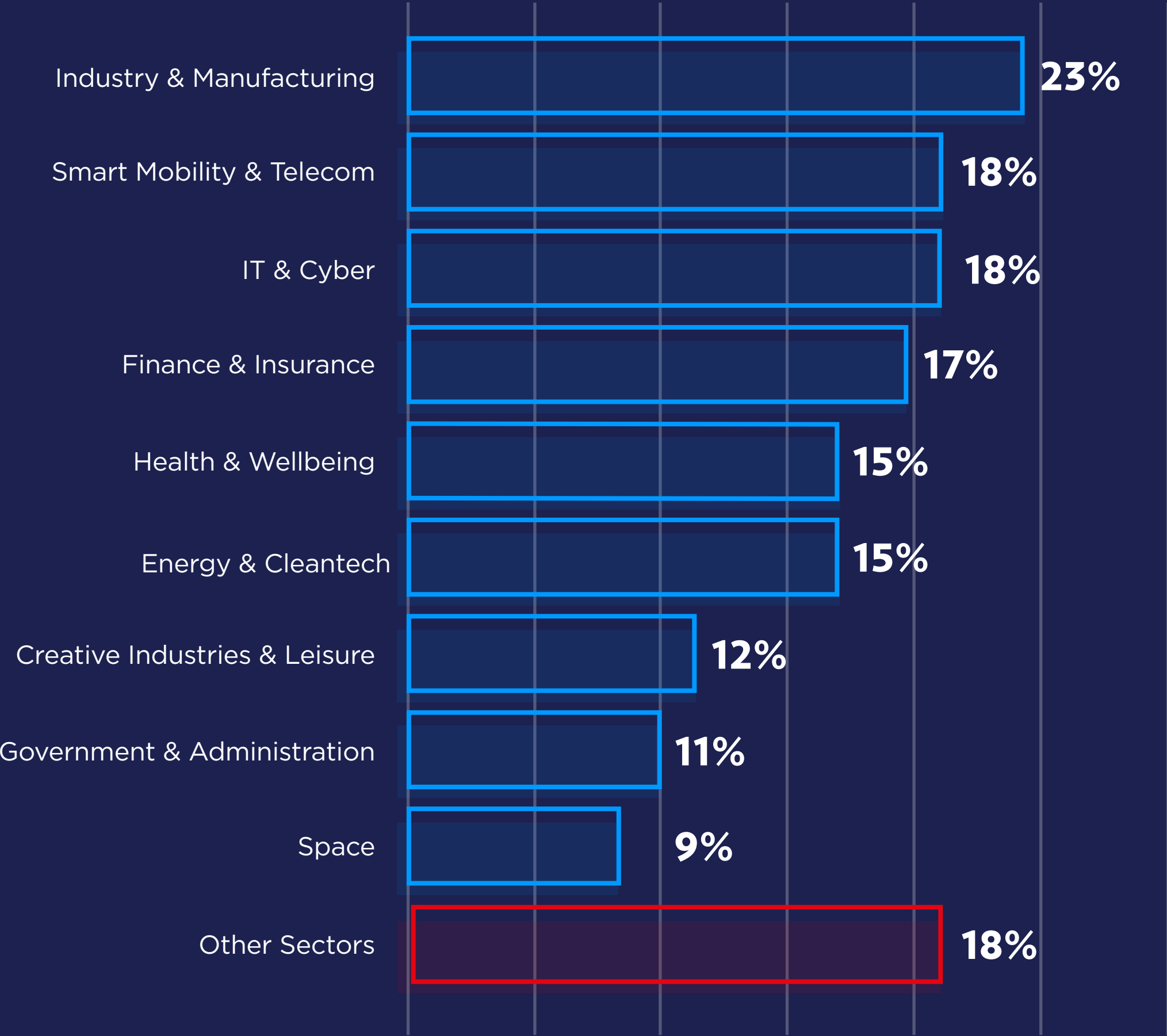


Figure 4:
Sectors most frequently targeted
by Luxembourg innovative AI adopters
(percentage of entities)

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping)
N.B.: Some entities may target more than one market

POTENTIAL LUXEMBOURG DATA PROVIDERS

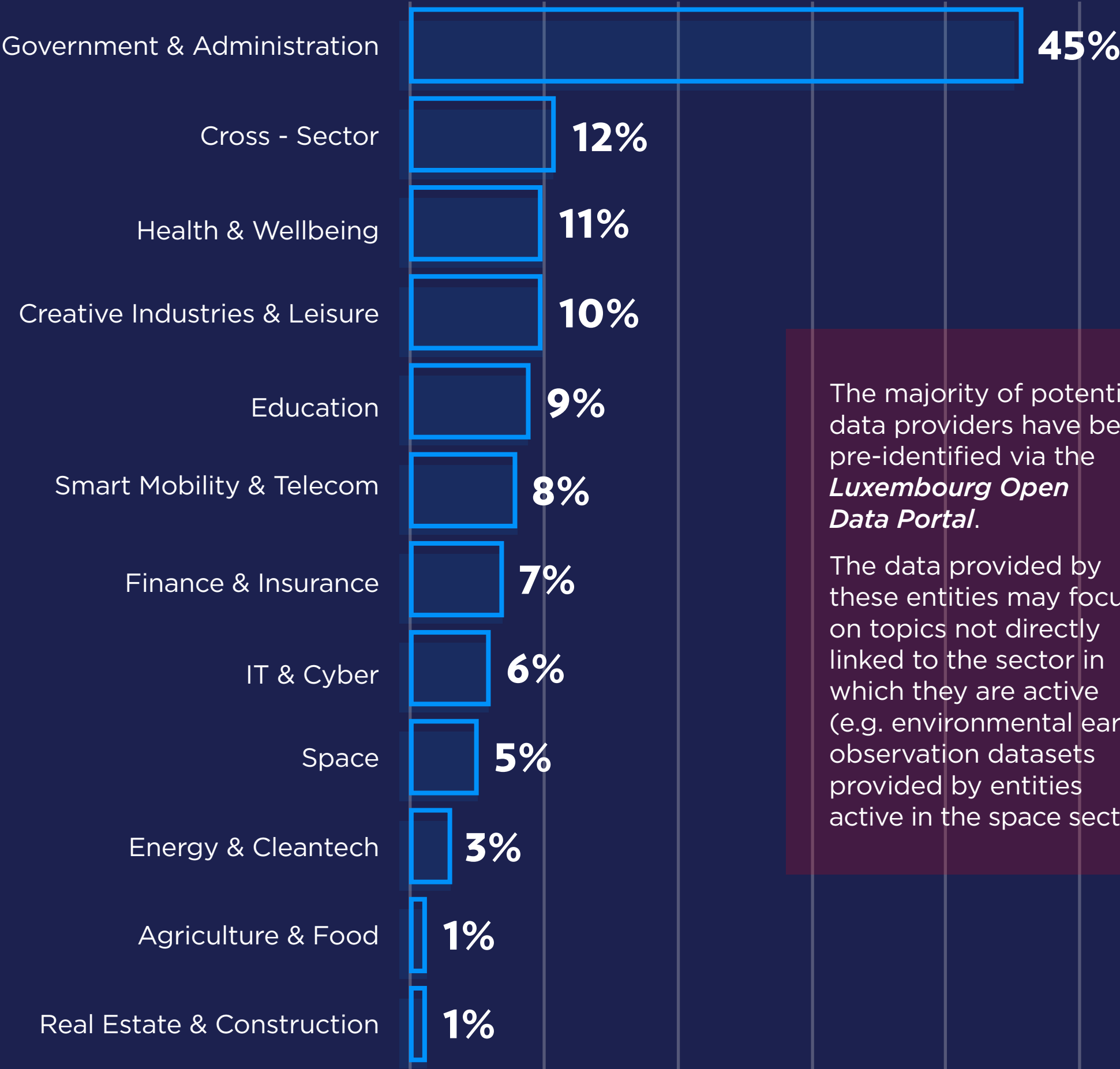
SPECIALISATION

Almost half of Luxembourg’s potential data providers are active in the Government & Administration sector.

103 private and public organisations in Luxembourg hold raw or processed data that can or could, at a later stage, be used to feed AI models and algorithms.

45% are active in the Government & Administration sector.

In addition to those classified as cross-sectoral, many data owners are in the Health & Wellbeing, Creative Industries & Leisure and Education sectors. Together, they make up 25% of the potential data providers in the country.



The majority of potential data providers have been pre-identified via the **Luxembourg Open Data Portal**.

The data provided by these entities may focus on topics not directly linked to the sector in which they are active (e.g. environmental earth observation datasets provided by entities active in the space sector).

Figure 5:
Sectors most represented by
Luxembourg potential data providers
(percentage of entities)

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping) and Luxembourg Open Data Portal
N.B.: Some entities may target more than one market

POTENTIAL EUROPEAN DATASETS FOR AI FOCUS

In addition to the potential Luxembourg data providers identified via our mapping, we have identified 68 common European datasets that could be used by AI developers.

Current available European datasets appear to complement the datasets provided by Luxembourg data providers. For instance:

Few national data providers are active in the Energy & Cleantech, Agriculture & Food or Education sectors. However, these topics are among the top 5 sectors addressed by EU datasets, offering additional data sources to Luxembourg organisations using AI.

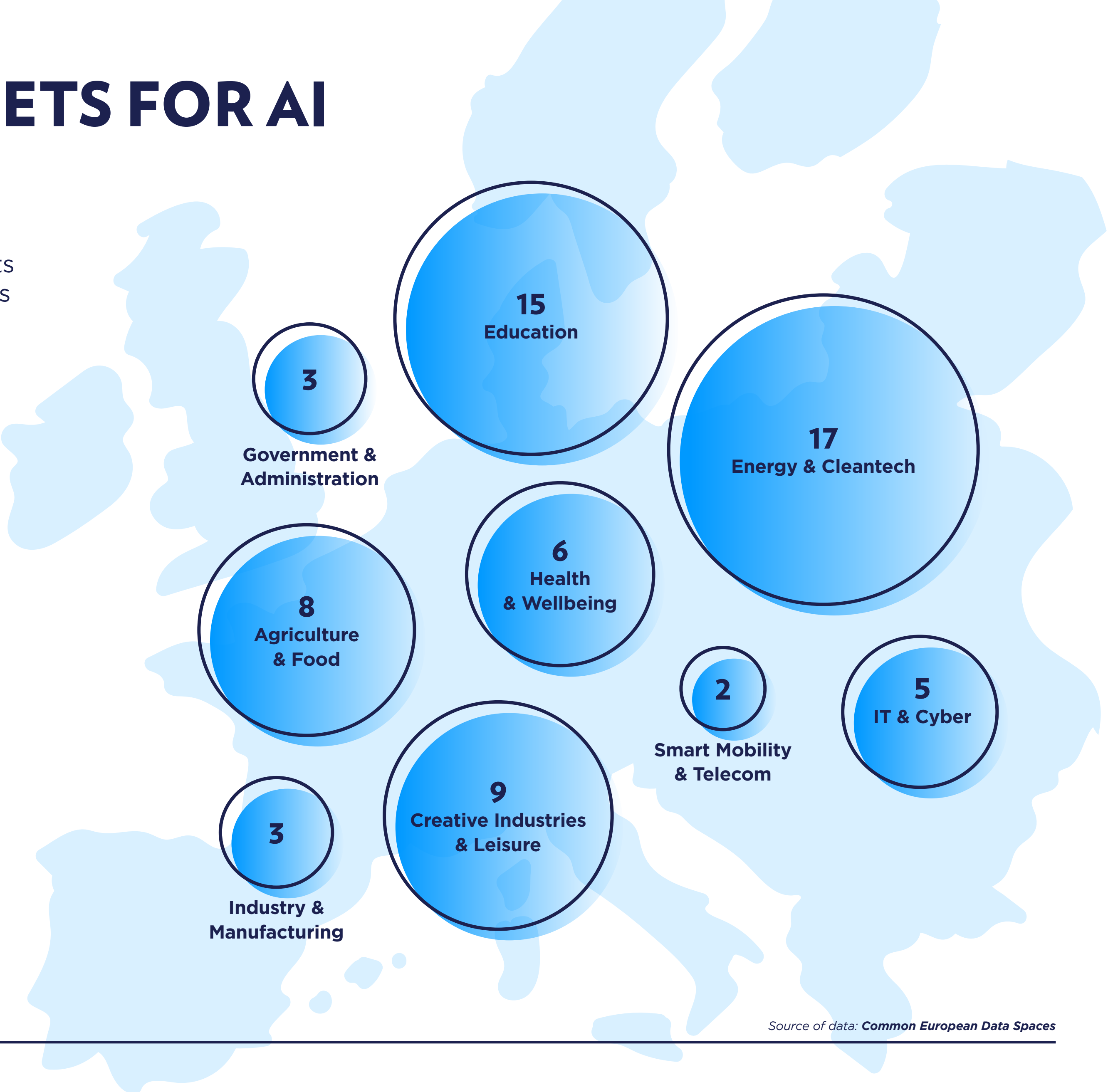


Figure 6:
Number of EU datasets by sector

Source of data: **Common European Data Spaces**

AI SUPPORT COMMUNITIES

ORGANISATION TYPES

Most of the 60 private and public entities in Luxembourg enabling the use and adoption of AI are consultancy companies.

AI communities include all public and private entities enabling the development of artificial intelligence core technologies and AI solutions. They also support the adoption of AI technologies.

Three main categories of enablers can be identified among the national AI communities:

- Private consulting companies, which represent 83% of the current enablers in the national ecosystem.
- Non-profit organisations, which represent 10% of the AI communities.
- Academia & research organisations, which make up 7% of the AI communities. Although few in number, they play a fundamental role in developing and implementing research projects that are key to the future of AI technologies.

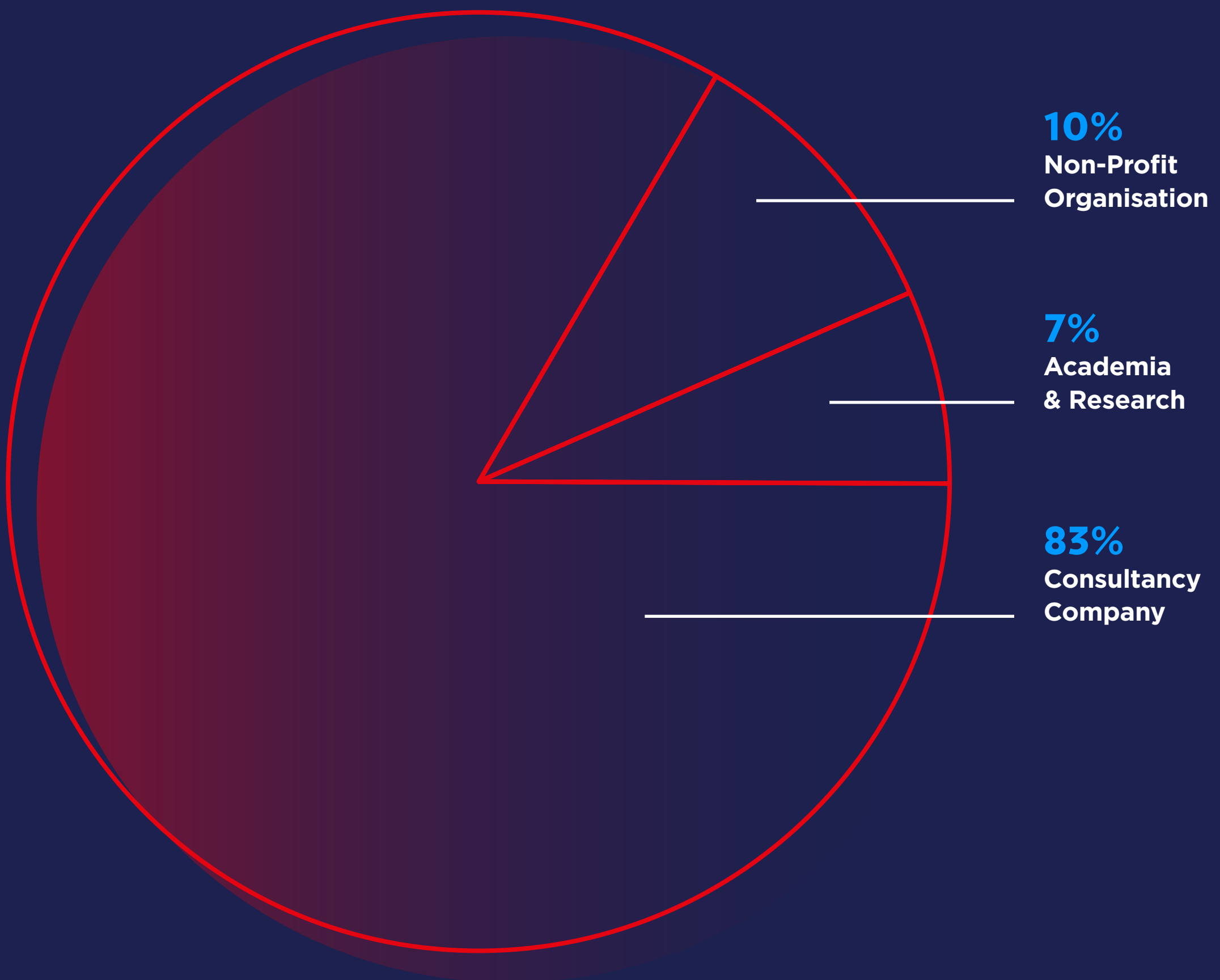


Figure 7:
Categories of Luxembourg AI
communities (percentage of entities)

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping)

PRIVATE INVESTORS AND INCUBATORS

ORGANISATION TYPES

The majority of the 173 Luxembourg investors and incubators in the AI ecosystem are VC investors.

The 173 Luxembourg entities identified in this category complete the AI ecosystem by offering capital, resources and support. The selected organisations have listed artificial intelligence as one of their “preferred verticals” for investments in sources such as Pitchbook and Dealroom. This means that they may invest in startups and technology companies located in Luxembourg and all over the world.

- Venture capital (VC) investors is the largest category (59%) of entities.
- Corporates are also investing massively in AI startups and technology companies. They account for 21% of investors in the Luxembourg ecosystem.
- The other categories of investors, including incubators and accelerators, together account for 20% of the players.

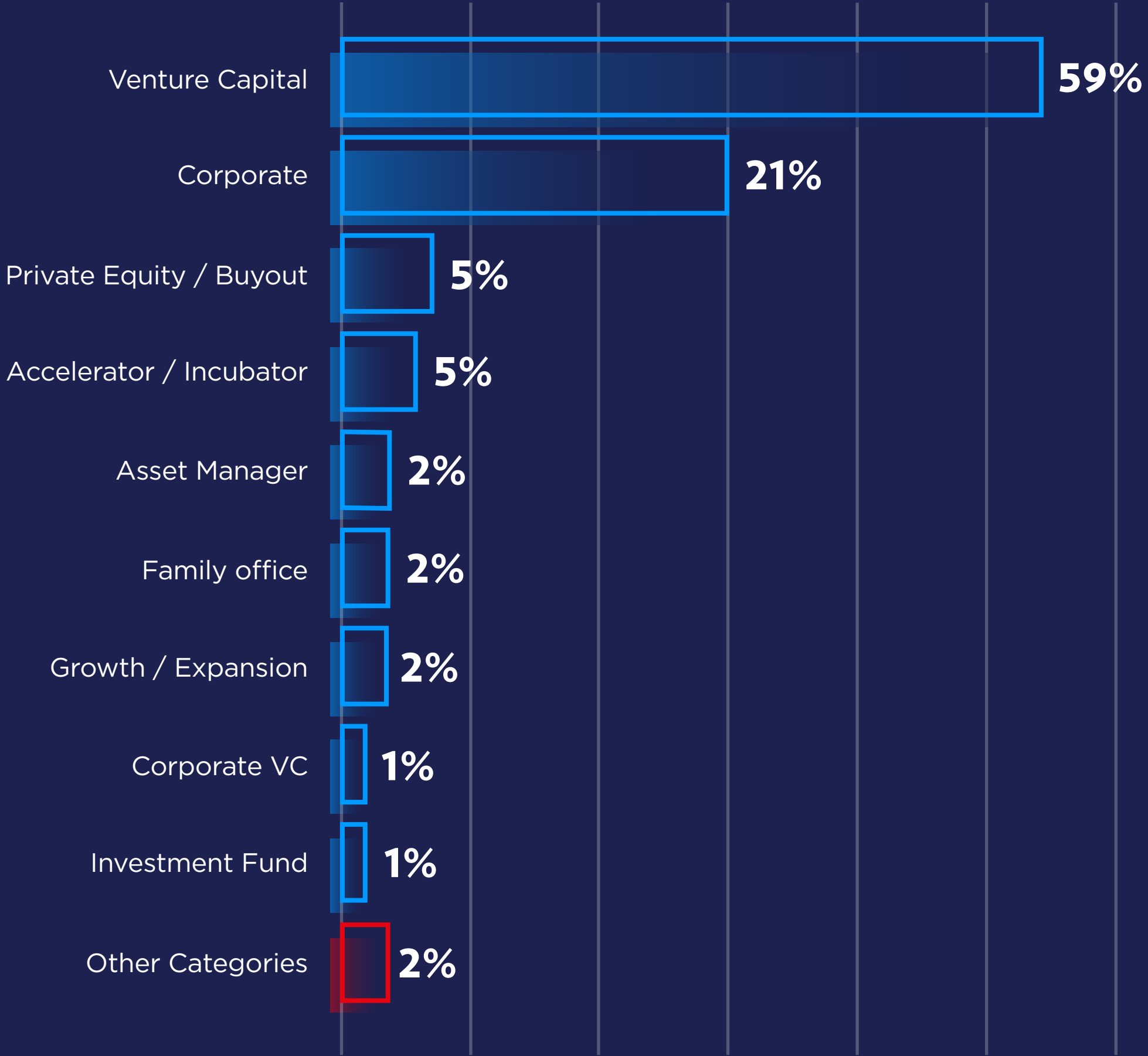
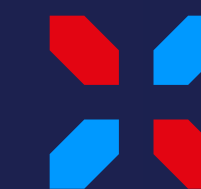


Figure 8:
Categories of investors
in the Luxembourg AI ecosystem
(percentage of investors)

Source of data: Luxinnovation (2025 Luxembourg Artificial Intelligence Ecosystem Mapping), Dealroom and PitchBook.



LUXINNOVATION

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LOOKING FOR AI PARTNERS?

We can help you identify
key players and connect
with them.

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For more information on the
Artificial Intelligence Ecosystem

CLICK HERE