

Madrid Region

Biotechnology Startups

2022

Industry
Report

In partnership with:

Information sources

+ Startup Radar madri+d:

- Analysis of the innovative entrepreneurial ecosystem of the Community of Madrid.
- Unique databases in terms of size and representativeness of innovative startups, incubators, accelerators, incubators, venture capital,...

+ Beyond borders: EY biotechnology report 2022

+ Global Biotechnology Market Report (2022 to 2027)

+ U.S. National Intelligence Council Report (NIC) 2021

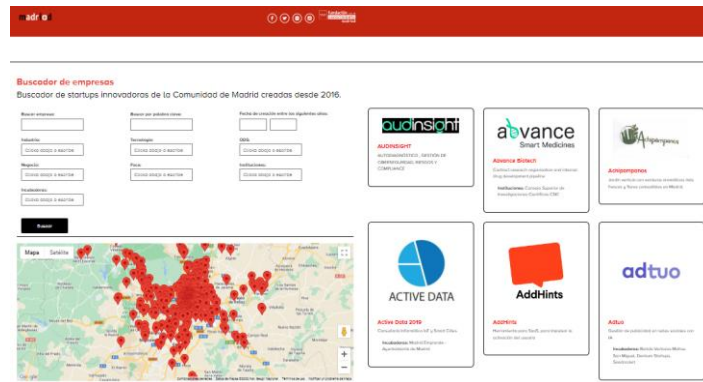
+ AseBio report 2021

+ 2021, a breakthrough year for Healthtech & Biotech 2021 H1, Dealroom

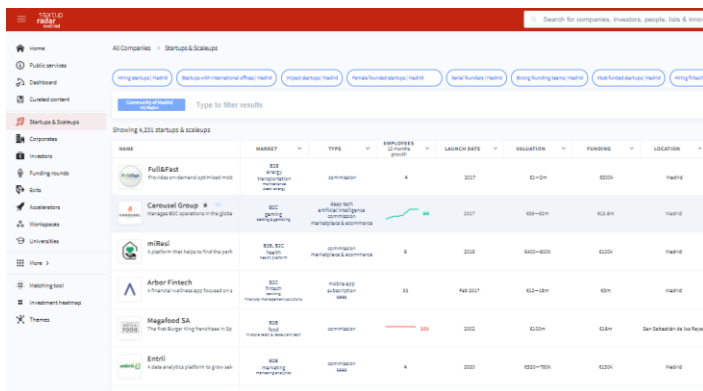
+ European Health & Biotech 2021 half-year update, Dealroom & Octopus Ventures

The Madrid Region Startup Ecosystem Platform

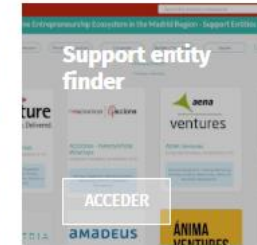
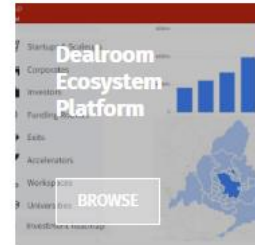
Ecosystem Platforms: Tools, Maps and Databases



Platform on Dealroom



Ecosystem Platforms



Reports

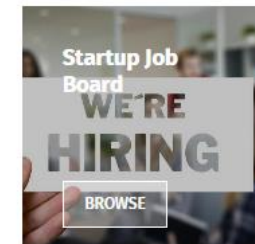


2 Annual reports:

- Ecosystem Report
- Investment Report

+ Industry Reports

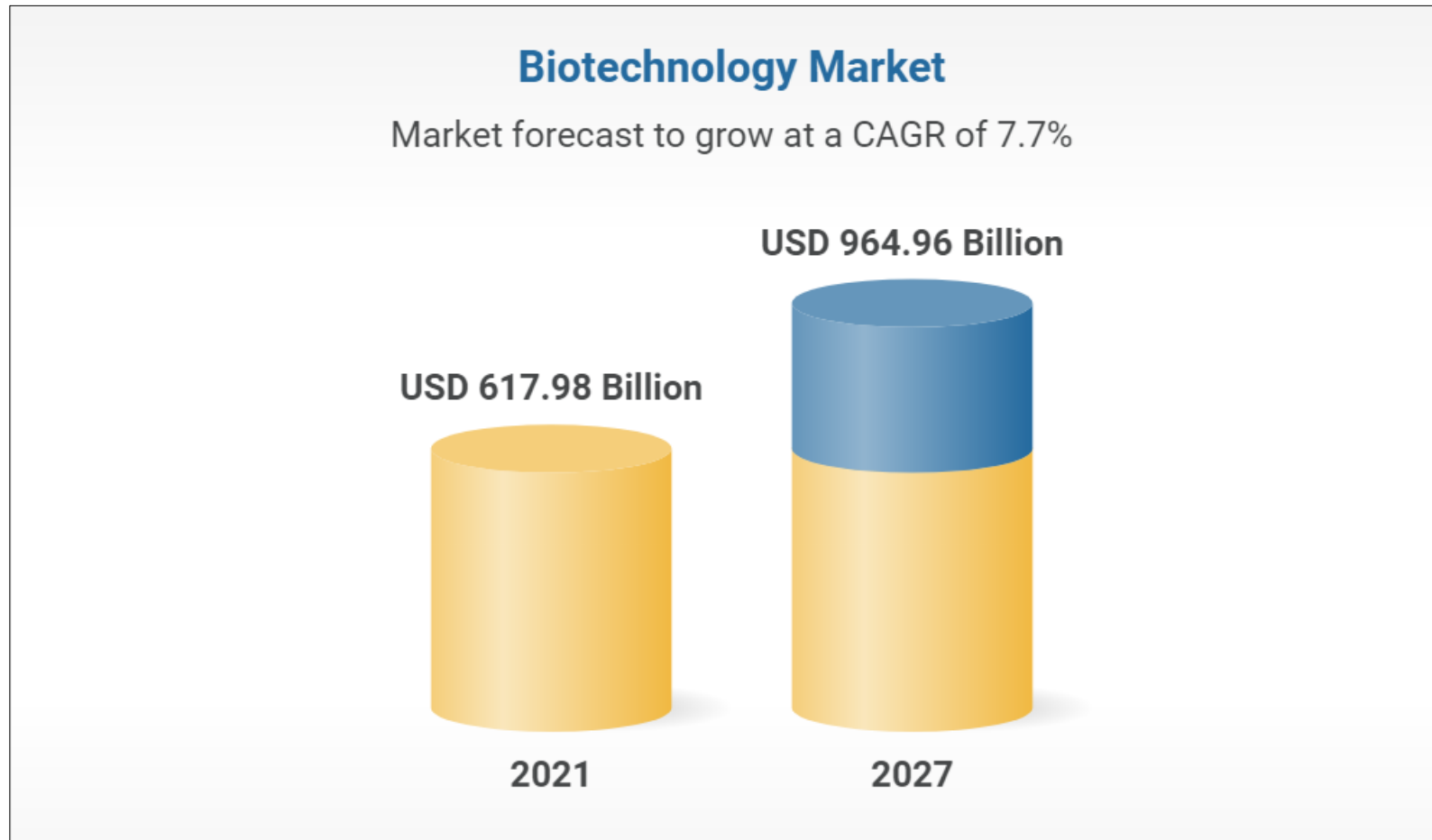
Startup Tools



Tools for startups:

- Job search
- Investors
- Public Financing

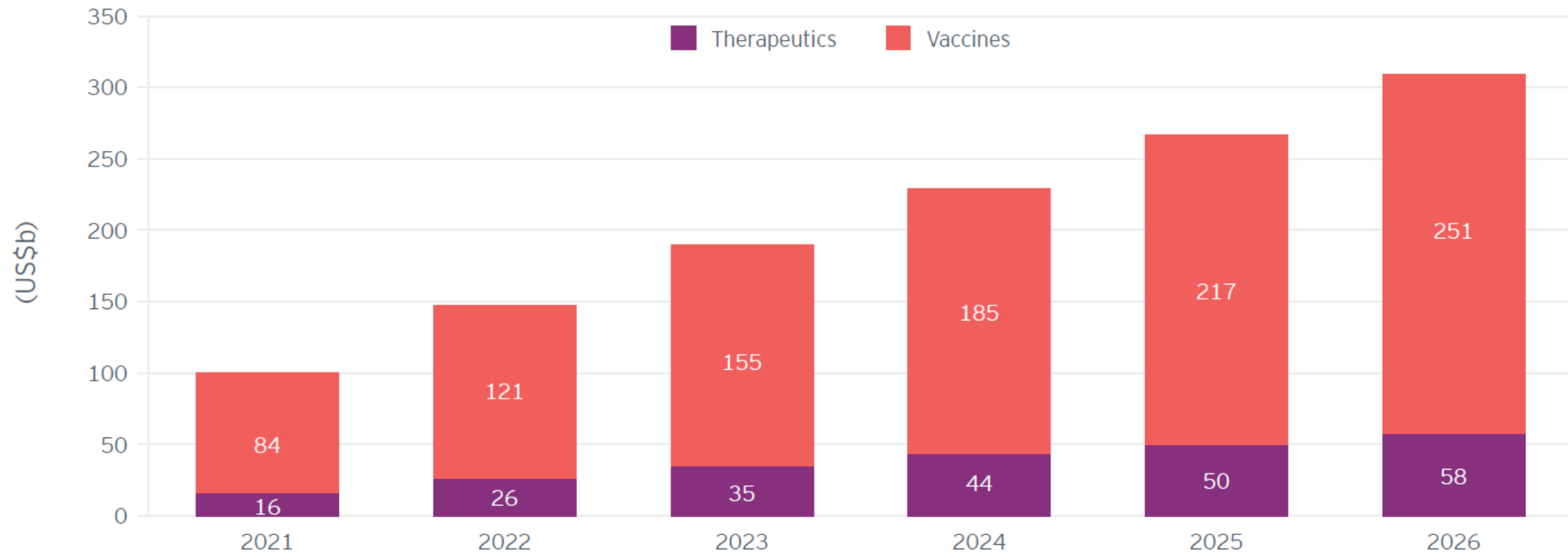
Biotechnology is expected to grow significantly and steadily



Source: Global Biotechnology Market Report (2022 to 2027)

COVID-19 vaccination influences the growth

Projected cumulative spending on COVID-19 vaccines and therapeutics (2021-26)



The Global Use of Medicines 2022: Outlook to 2026, IQVIA, December 2021

Biotech R&D investment continues its upward trend...

US and European biotechs prioritized R&D investments in 2021

Cash returned to shareholders

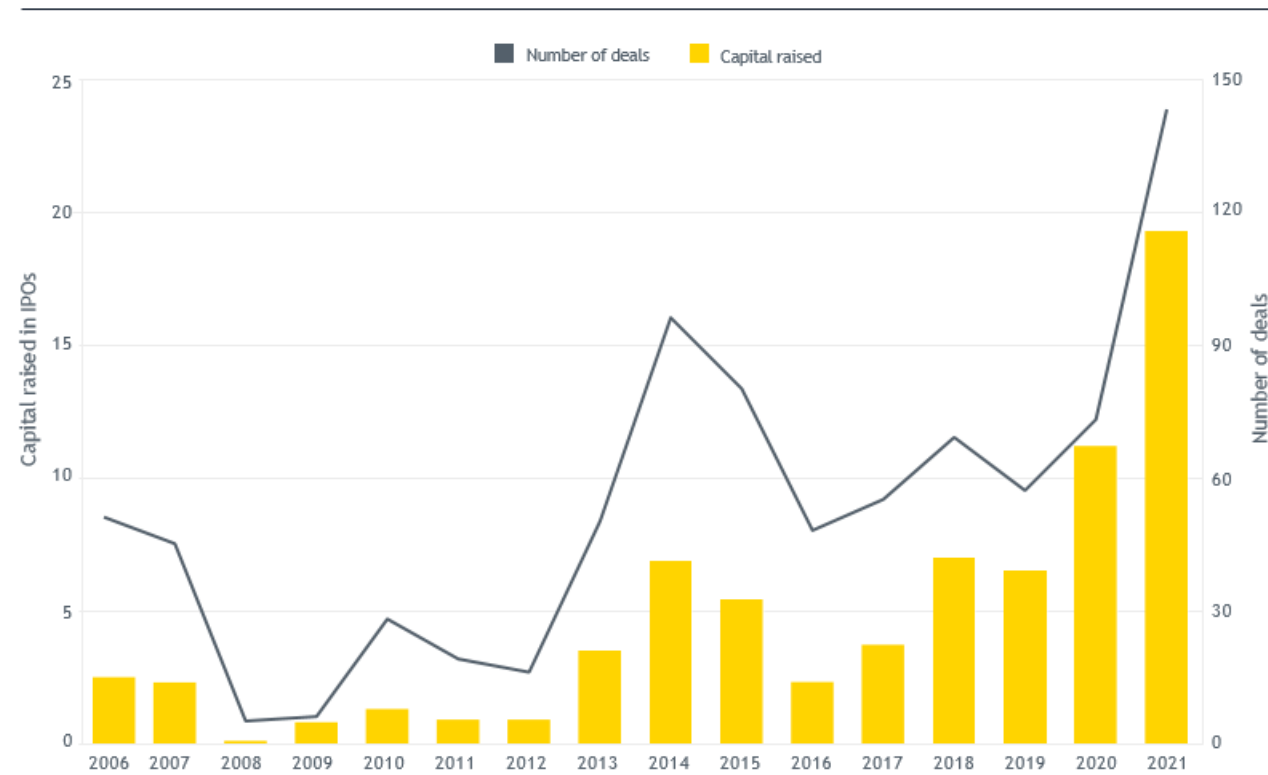


Source: EY analysis, Capital IQ, company financial statement data

Source: EY analysis, Capital IQ, company financial statement data

...as well as the IPOs carried out in Europe and the U.S.A.

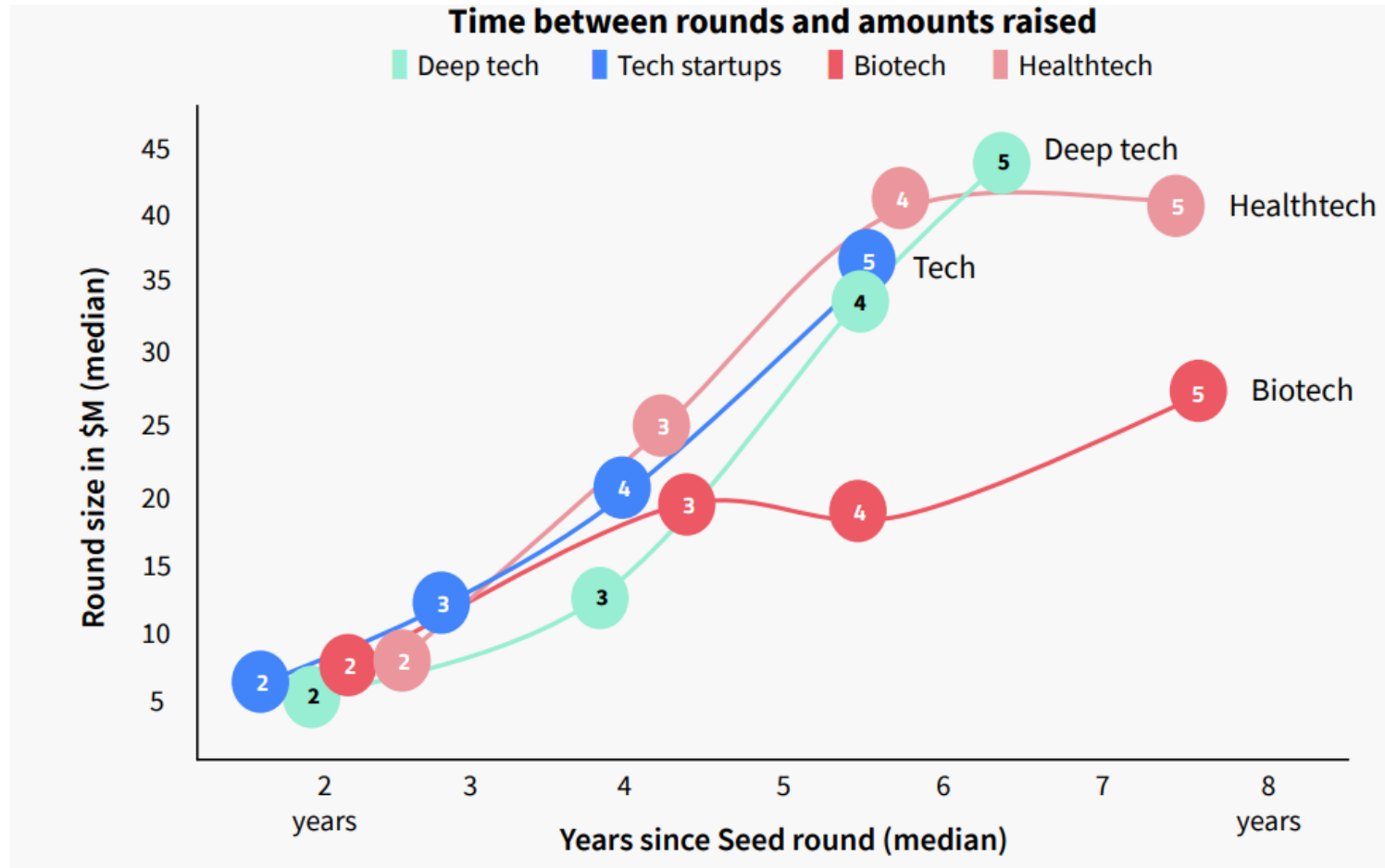
US and European biotechnology IPOs, 2006-21



Source: EY analysis, Capital IQ and VentureSource
2019 data is until 30 June 2019

Source: EY analysis, Capital IQ and VentureSource

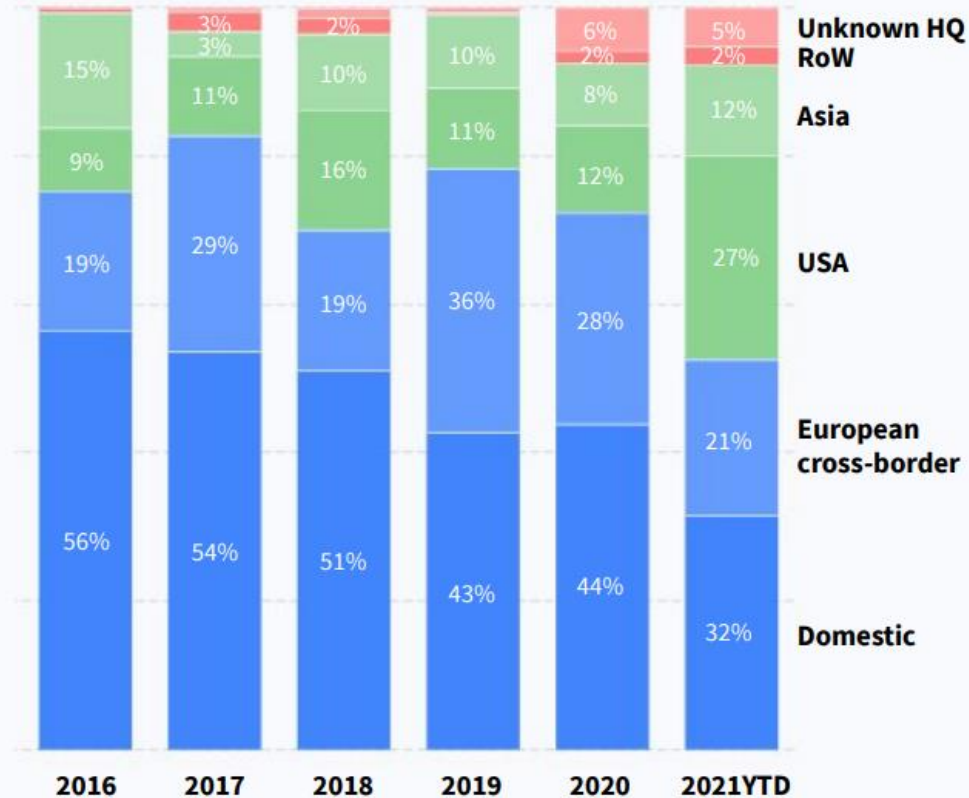
Biotechnology startups require more time and capital



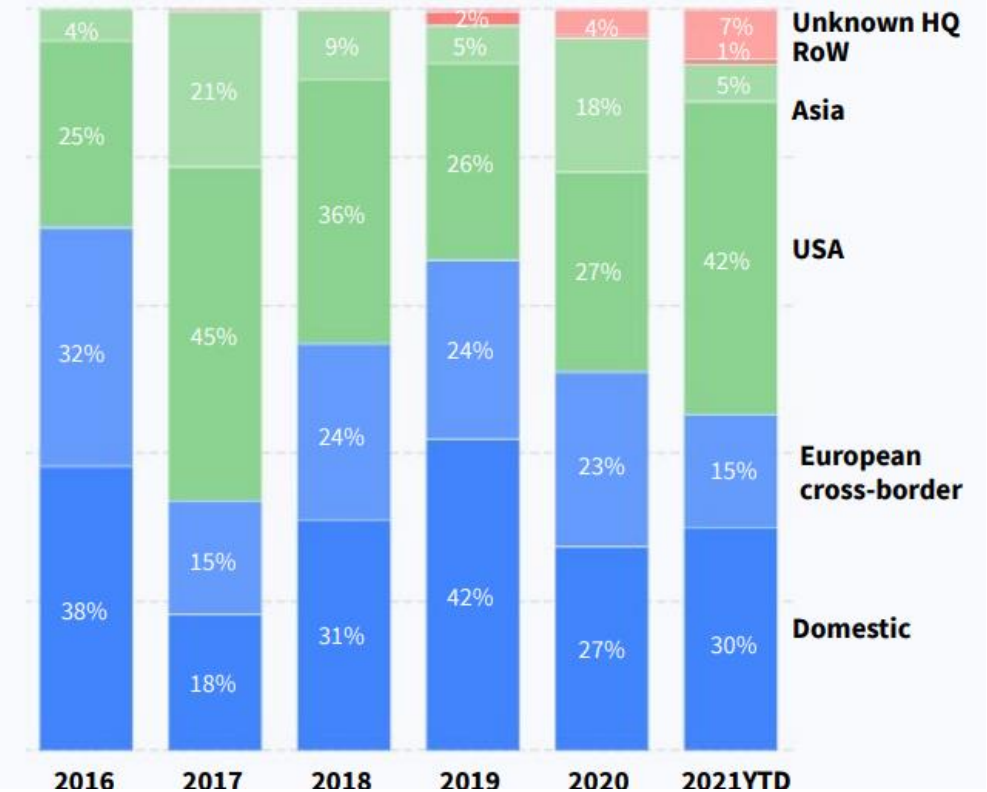
Source: Dealroom Report Health January 2022

European funds reach 45% of invested capital

Investment in European healthtech startups by source of capital

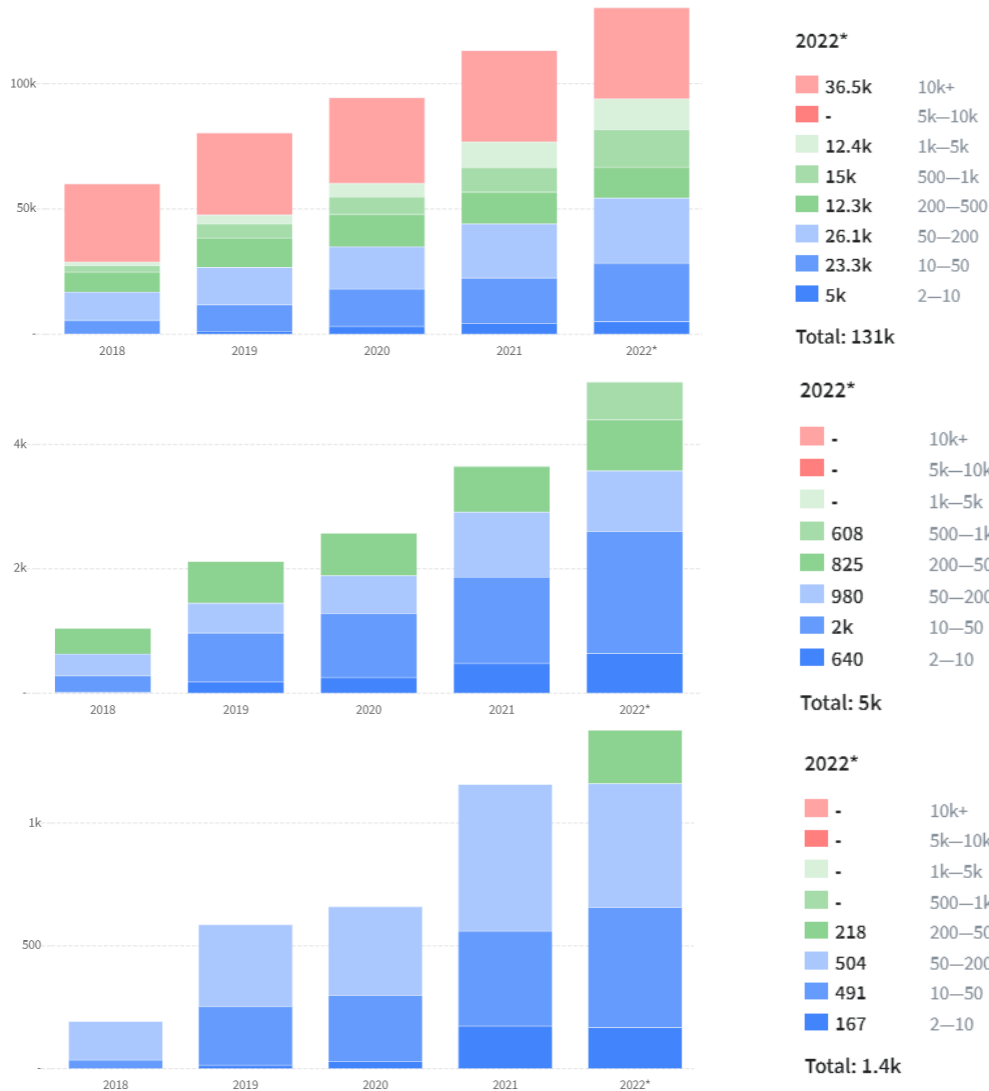
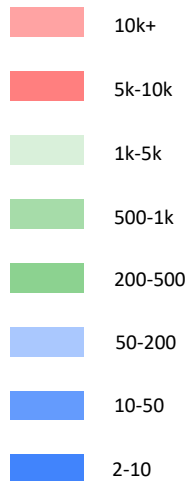


Investment in European biotech startups by source of capital



Biotechnology startups and Jobs created (2022)

Nr. of employees
by startup



+ Europe

2948 startups

Jobs: 131K

+ Spain

312 startups (10,6% of Europe)

Jobs: 5k (3,8% of Europe)

+ Community of Madrid

97 startups (31% of Spain)

Jobs: 1,5K (30% of Spain)

Source: Data from Startup Radar madri+d and Dealroom for [Europe](#), [Spain](#) and [Community of Madrid](#)



Total value of biotechnology startups (2022)



 **Europe**

Value: 221.800 M\$

 **Spain**

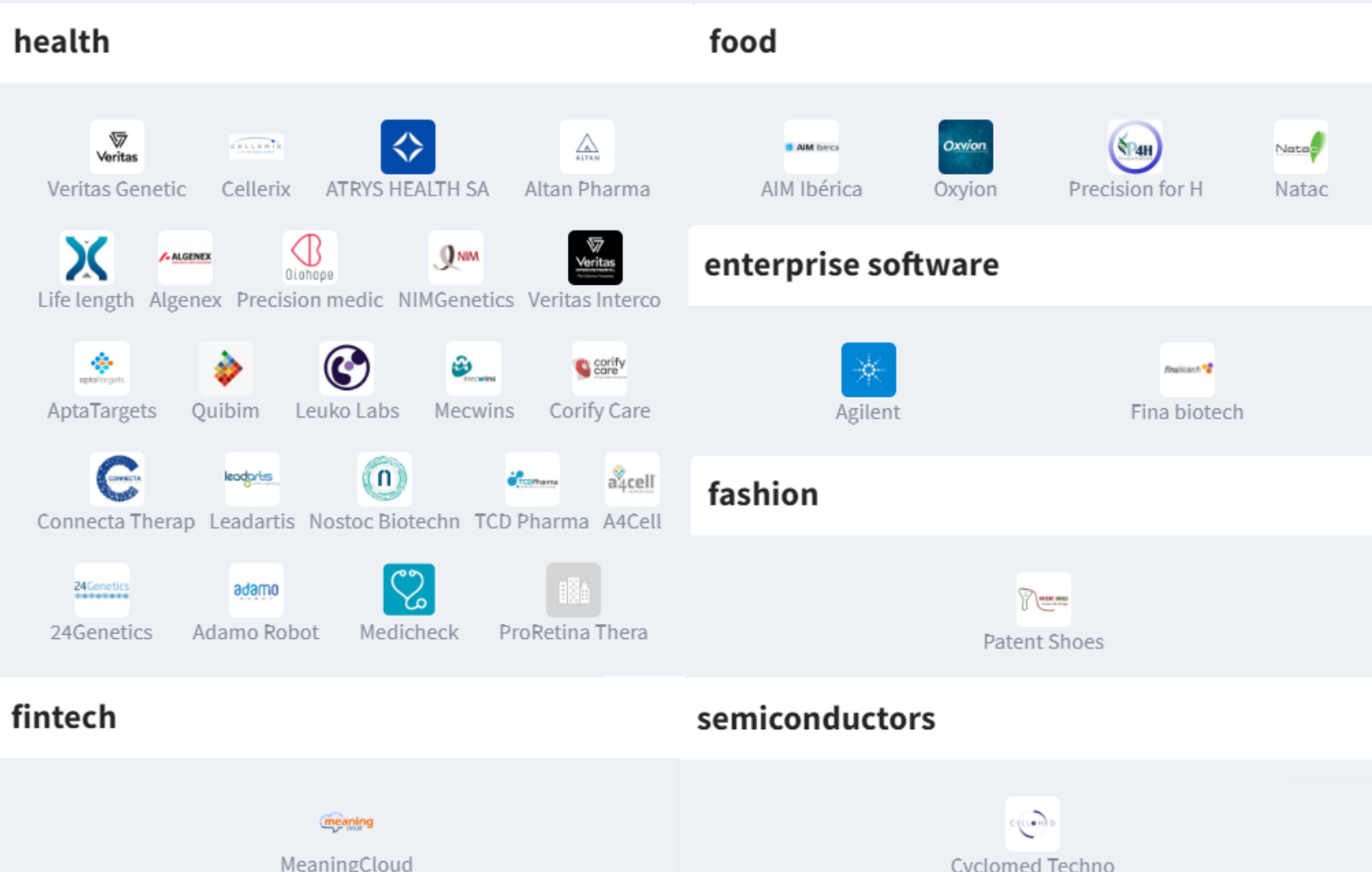
3200 M\$ (1,5% of european biotech value)

 **Community of Madrid**

438 M\$ (13,7% of spanish value)

Source: Data from Startup Radar madri+d and Dealroom for [Europe](#), [Spain](#) and [Community of Madrid](#)



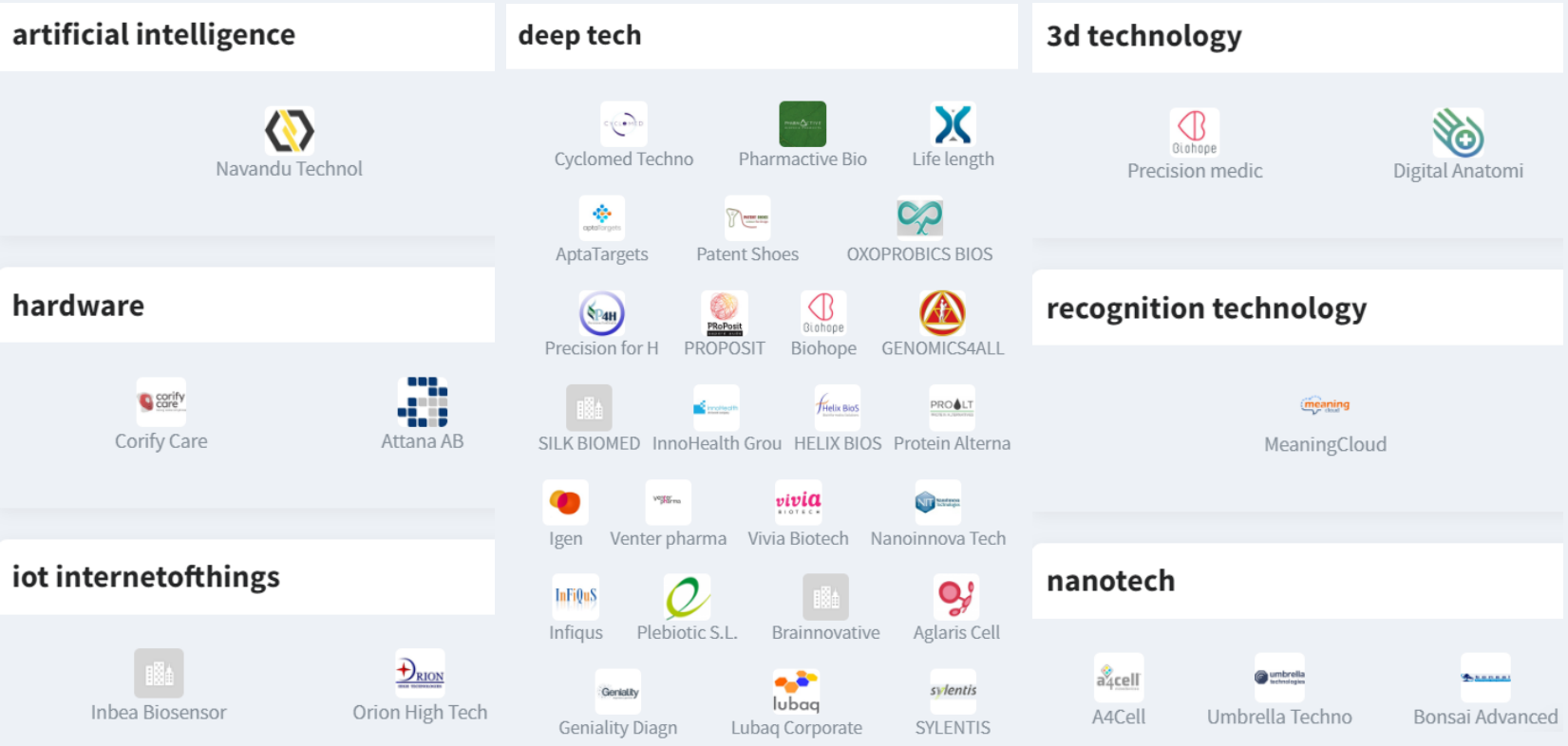


BIOTECHNOLOGY STARTUPS
IN THE COMMUNITY OF MADRID

BY INDUSTRIES

Source:
[Landscape at Startup Radar madr+d](#)





BIOTECHNOLOGY STARTUPS IN THE COMMUNITY OF MADRID

BY TECHNOLOGY

Source:
[Landscape at Startup Radar madr+d](#)



Some data on the sector

⊕ Biotechnology is likely to make **significant contributions to economic growth** over the next two decades, potentially affecting 20% of global economic activity by 2040, especially in agriculture and manufacturing

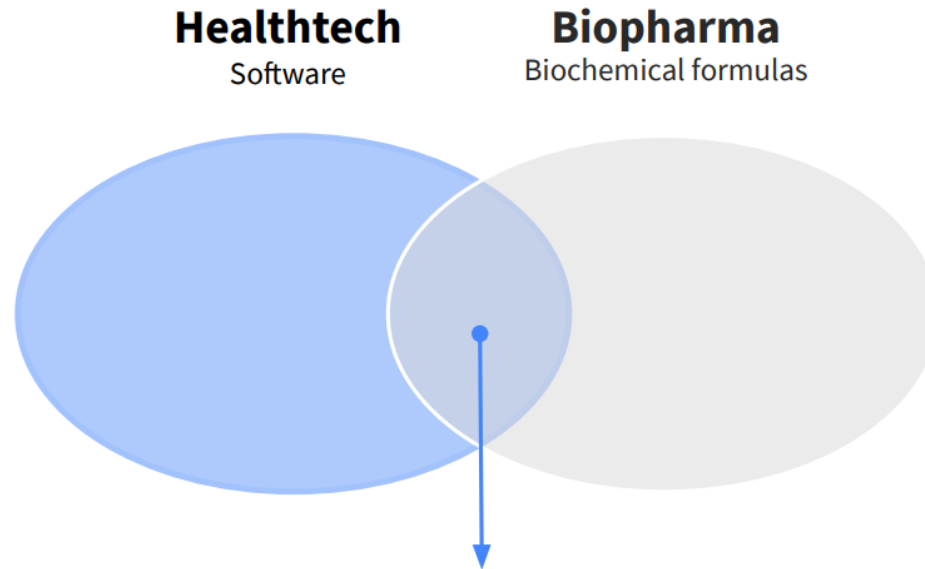
Source: [Informe del Consejo Nacional de Inteligencia de EEUU \(NIC\) de 2021](#)

⊕ **We are witnessing an explosion of biotechnology applications.** Not only the advance in therapies for complex diseases, but also in areas such as bioimaging, molecular diagnostics, biomarkers, nanobiotechnology applied to in-vitro diagnostics, tissue engineering, cellular engineering, new generation of vaccines, etc.

Source: [CESIF](#)

Some data on the sector

✚ The intersection of Biotech and Healthtech is generating important innovations.



Improvements in the value chain (biopharma, suppliers, customers)
Faster development of treatments
Better data on cost efficiency

Some data on the sector in Spain

- ⊕ The year 2021 paved the way for what has been in 2022 a sector clearly on the rise. The Spanish 'biotech' sector attracted 180 million euros of private investment in 2021, a 20% increase.

Source: [Informe AseBio 2021](#)

- ⊕ Biotechnology research consolidates Spain as the **eighth world power in scientific production**. Biotech companies are the industry with the highest percentage of researchers over total employees, with 13.23%

Source: [El global 2022](#)

The most complete and detailed picture of Madrid Region's tech ecosystem

KNOWLEDGE PARTNERS

Startup Radar database is kept up-to-date with the support of a growing number of Knowledge Partners

SPIN OFF DATA

- Madrid Region Universities
- R&D Institutions
- Science Parks & hospitals (ITEMAS Network)
- Technology Parks

INDUSTRIES & TECHNOLOGIES

Industries and Technologies knowledge Partners to date are referenced here:

<https://ecosystem.madrimasd.org/intro>

startup
radar
madri+ed



fundación para el
conocimiento
madri+ed



dealroom.co