

Madrid Region

Deep Tech Startups

2022

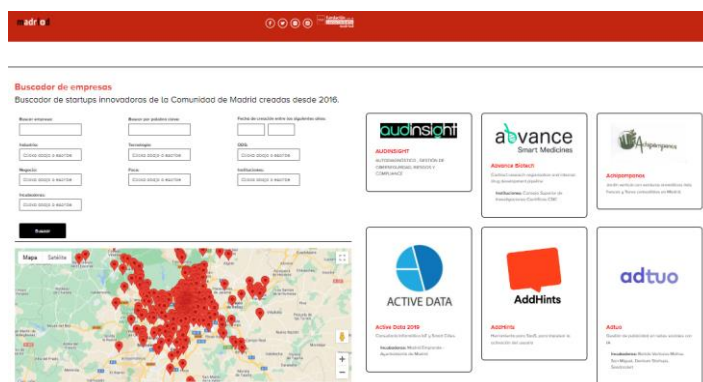
Industry Report



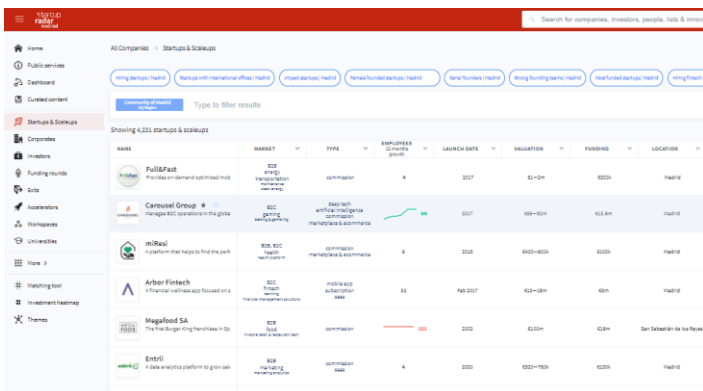
In partnership with:

The Madrid Region Startup Ecosystem Platform

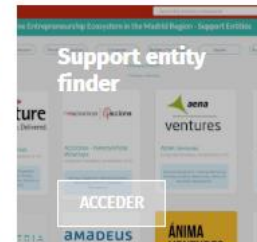
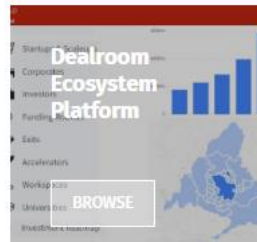
Ecosystem Platforms: Tools, Maps and Databases



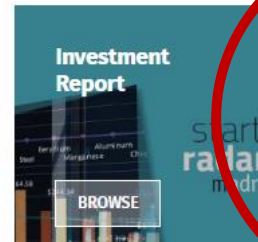
Platform on Dealroom



Ecosystem Platforms



Reports



2 Annual reports:

- Ecosystem Report (sectors, technologies,...)
- Investment Report

+ Sector Reports

Startup Tools

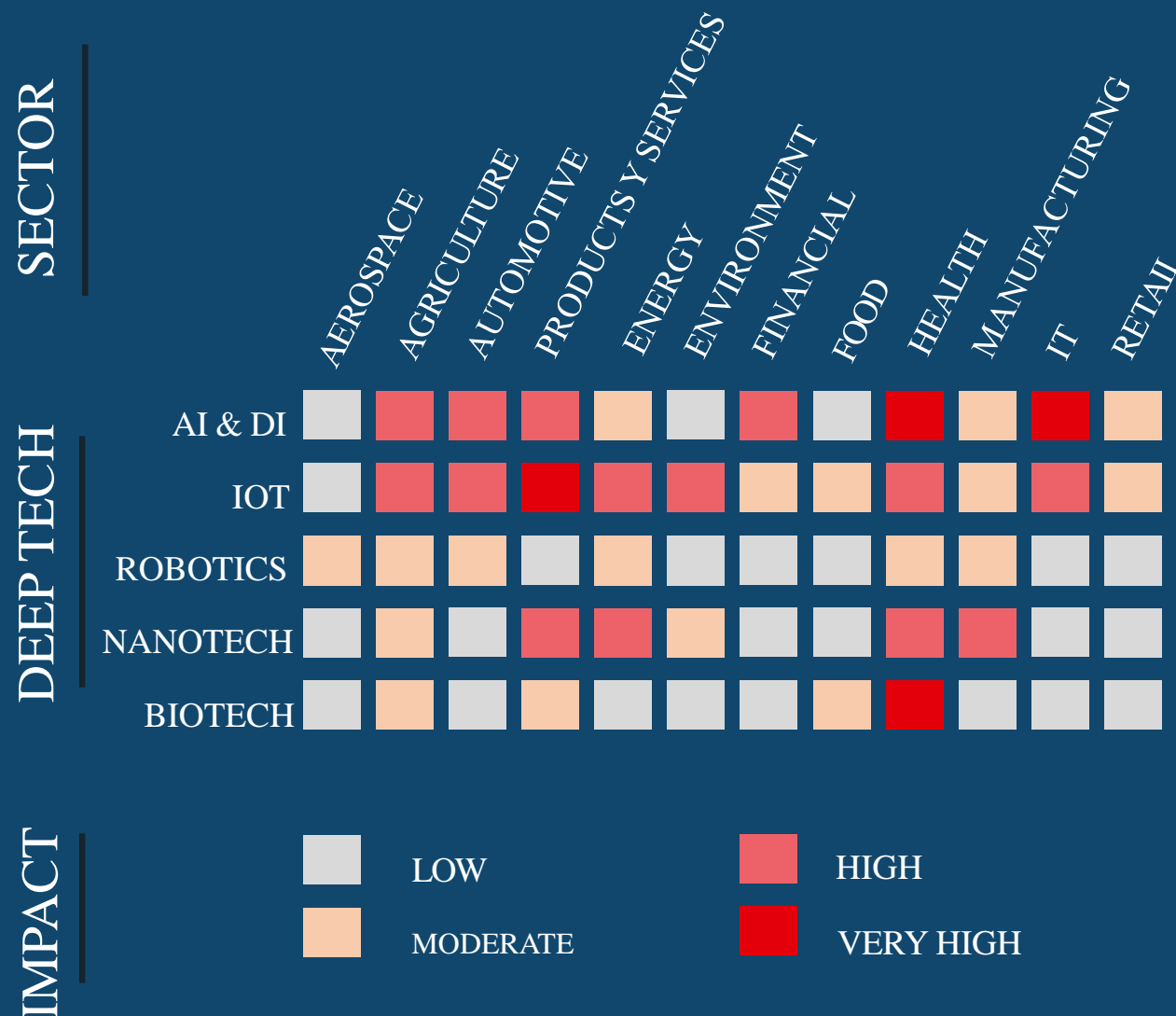


Tools for startups:

- Job search
- Investors
- Public Financing

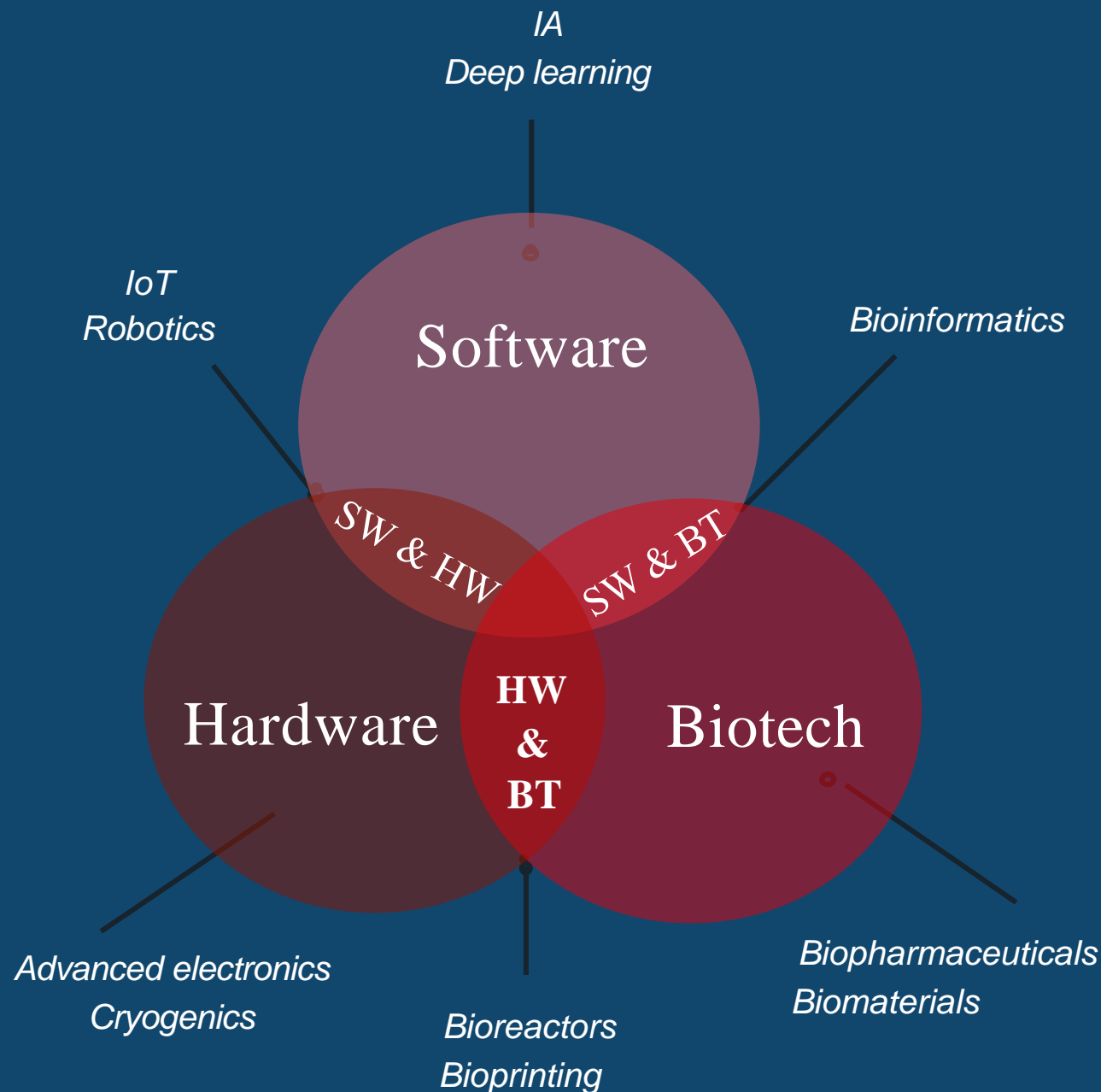
Some highlights

- ⊕ Deep technologies are **disruptive technologies**, with application in multiple sectors and whose development requires **deep knowledge in science and/or engineering**.
- ⊕ Deep tech startups are emerging companies whose main product or service is **based on the exploitation of one or more deep tech technologies**, making their **effort and investment in technological development much higher** than that of non deep tech startups.
- ⊕ The commitment to develop a disruptive technology that stands out from the general line of the market, makes deep tech startups have **greater technological risk** but at the same time their vision is focused on the **exploitation of new markets** or without competition and favors that they can have an exponential growth.



Classification

- Deep tech startups are often classified by combining criteria such as the **sector** in which they operate (aerospace, biomedical, etc.), the **product developed** (drones, robots, etc.) or the **technology used** (artificial intelligence, internet of things, etc).
- Biotechnology is usually classified as an industrial sector, despite being technologies based on biological processes, which in addition to having a great impact on the health industry, are applicable in other sectors (industrial, agri-food, marine, etc).
- As a starting point, to consider a startup as deep tech it **must participate in the development of the deep technology** on which its product or service is based.
- Fulfilling this, **the proposed classification of deep tech startups has been made based on three major types of technologies and their combinations.**

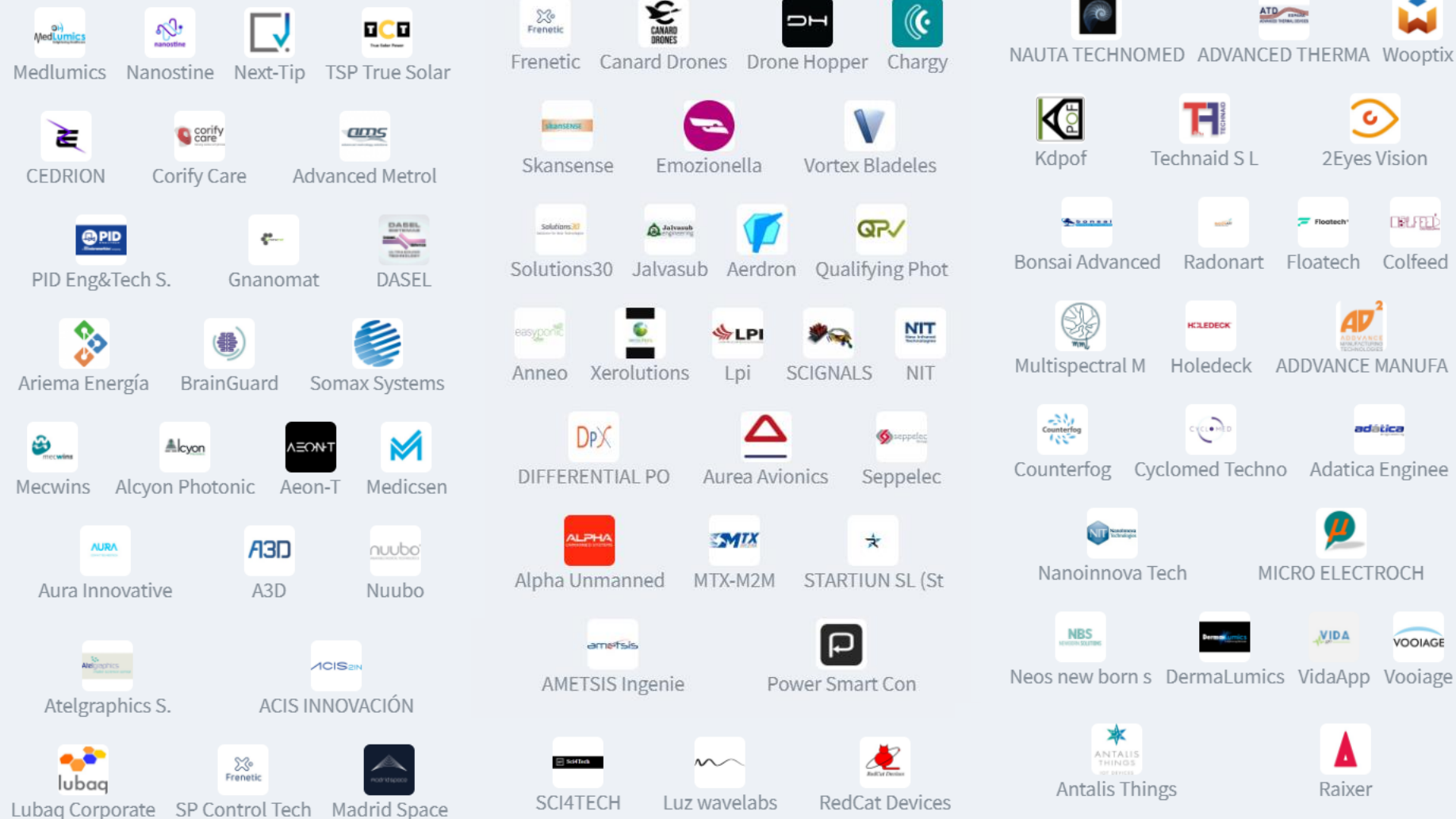


DEEP TECH STARTUPS OF THE COMMUNITY OF MADRID

HARDWARE

See Landscape on
Startup Radar
madri+d

Hardware







DEEP TECH STARTUPS OF THE COMMUNITY OF MADRID

SOFTWARE




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Software

 Sensia  ADEX  DataBeacon S.L.  Cropti




 Sigma technolog  DETEKTIA  DTec

 Visual Technolo  Alto Data Analy  Unusuals

 Zerintia  Rated Power  naudit High Per

 Anyverse  Narrativa  Graphext  Smart Protectio

 Onyze  Keeper Data Te  Barbara IoT

 Clever Ecommerc  Modelical  Capaball




 Fundamentia  Sentisis  Welovroi  MIOTI

 ICommunity Labs  IO Builders  MedUX

 Smartme Analyti  MyZuum  BEEVA  ISID

 Finweg  Trucksters  Tinsa Digital  Etoshi

 LeanXscale  Triporate  Booboo  FRACTTAL

 DiscoveryBlock  Thinger.io  Dail Software

 Sigma Cognition  MedLab Media ME  HandCash

 3ANTS  decide4AI  IMASTE  Bitext  Feebbo

 Dixit  TheySay.me  Orbital Critica  Bluetab

 Urban Data Anal  Madiva  BotON  INDIDESK

 Sentimer  Anbotux  Enimbos  Alise Devices  Obuu




 3SmartData  Revelock  Carriots  Genasys  Espafil






 In2AI  QA Laboratory  SummuS Render S




 Weplan Analytic  Predictical  WannaBot  Alisys

 UAV AUTOSYSTEMS  AppDermis  Carto

 Evidence Behavi  Eris Innovation  Aitaca Remote T

 GeneticAI  Freedom and Flo  ThermoHuman




 Seedtag  Kymatio  TROOP  Nextail Labs  GeoDB

 CHECKTOBUILD  Wise Athena  Geoblink

 Lurtis Rules  Idaero  BotsLovers  Wenalyze  EYARD

 EasyCode Softwa  Q-Lion  Startical  Dioxinet

 Twopi  Cosmwasm  saturnolabs  Kolokium Blockc

 Feedbackua  Doc Forense  ESmartiT

 Deep Mirror Aut  SEA: Smart Ener  Cubic Fort

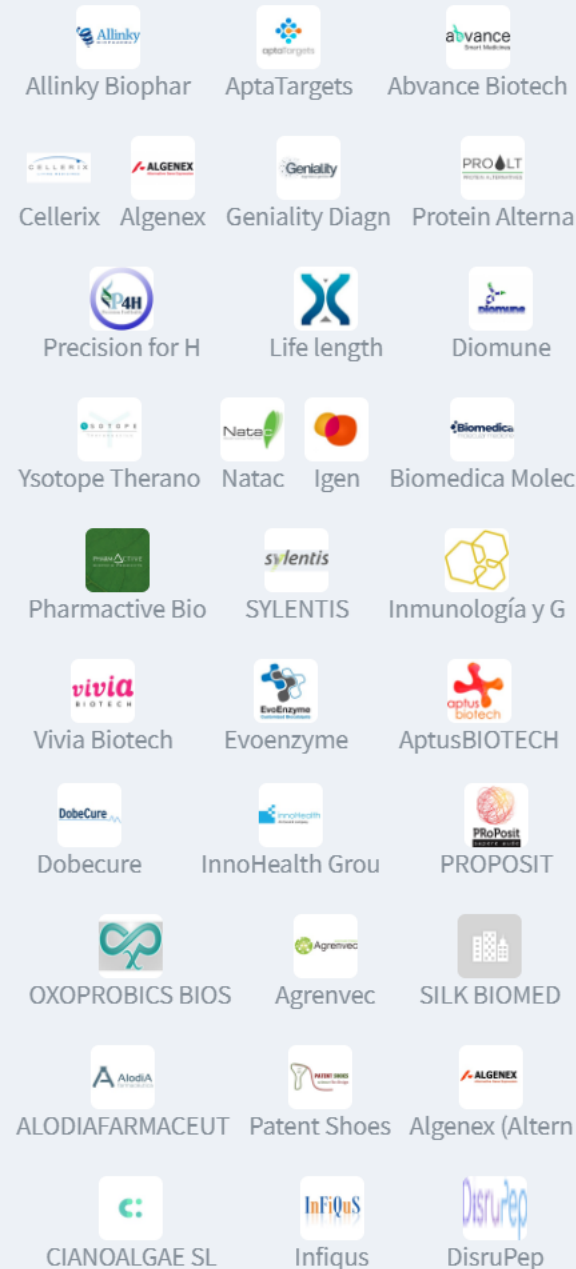
 Ubicua.com  Ibotics.es  Paradigma Digit  Mindsaic

DEEP TECH STARTUPS OF THE COMMUNITY OF MADRID

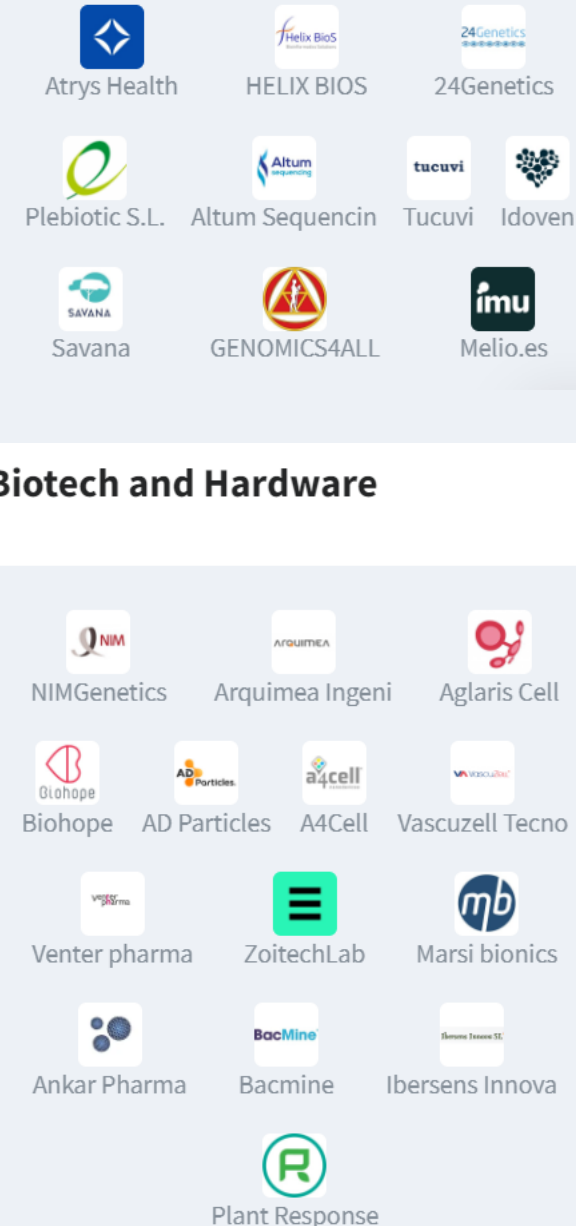
BIOTECH BIOTECH & SOFTWARE BIOTECH & HARDWARE HARDWARE & SOFTWARE

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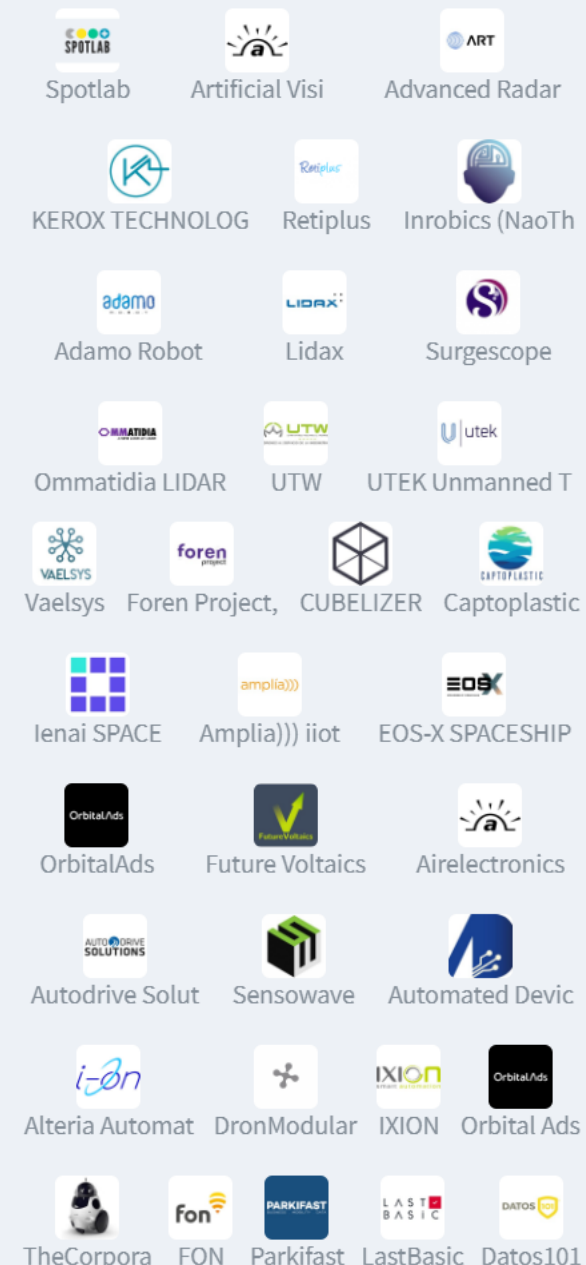
Biotech



Biotech & Software

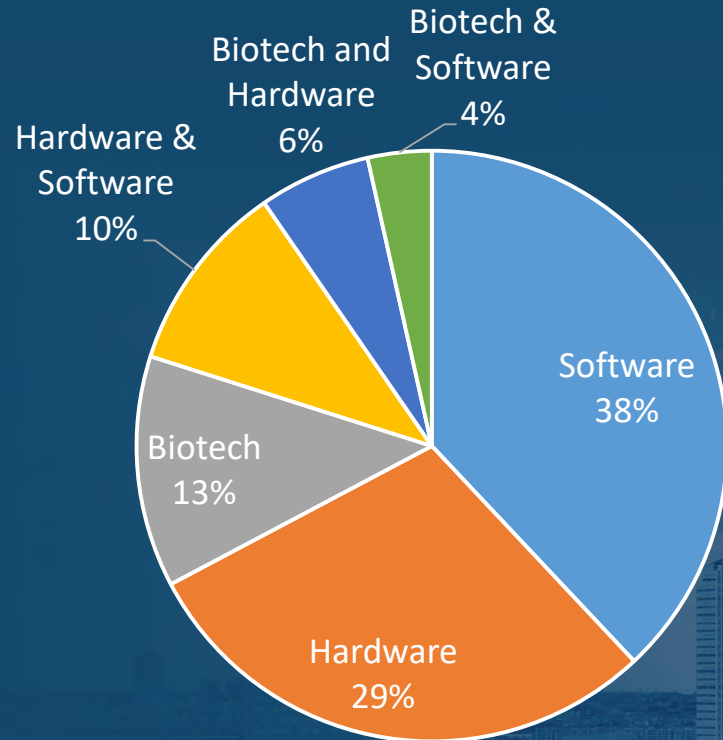


Hardware & Software

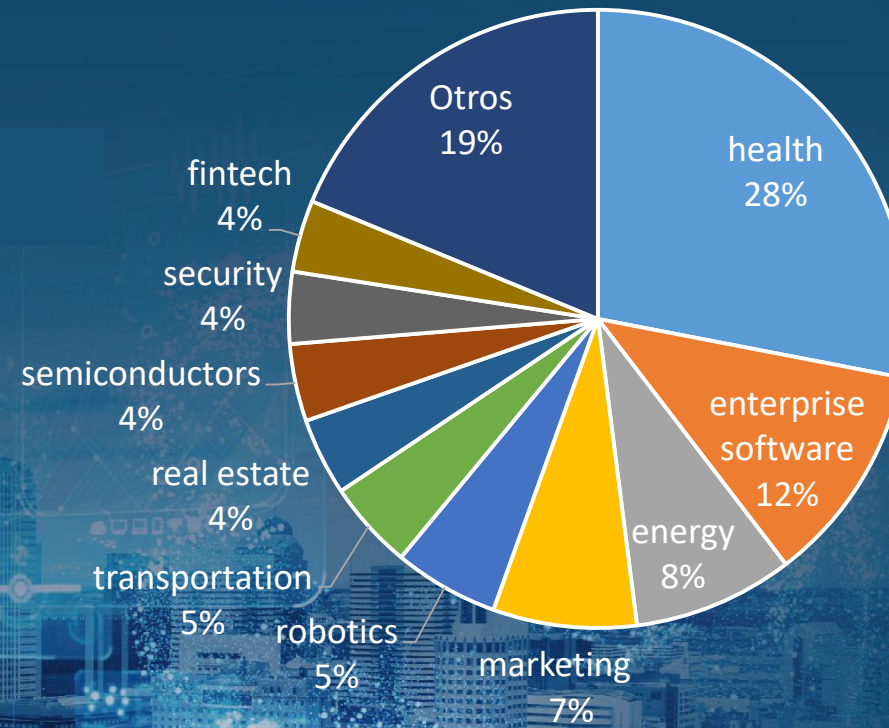


Distribution of 347 deep tech companies in the Community of Madrid

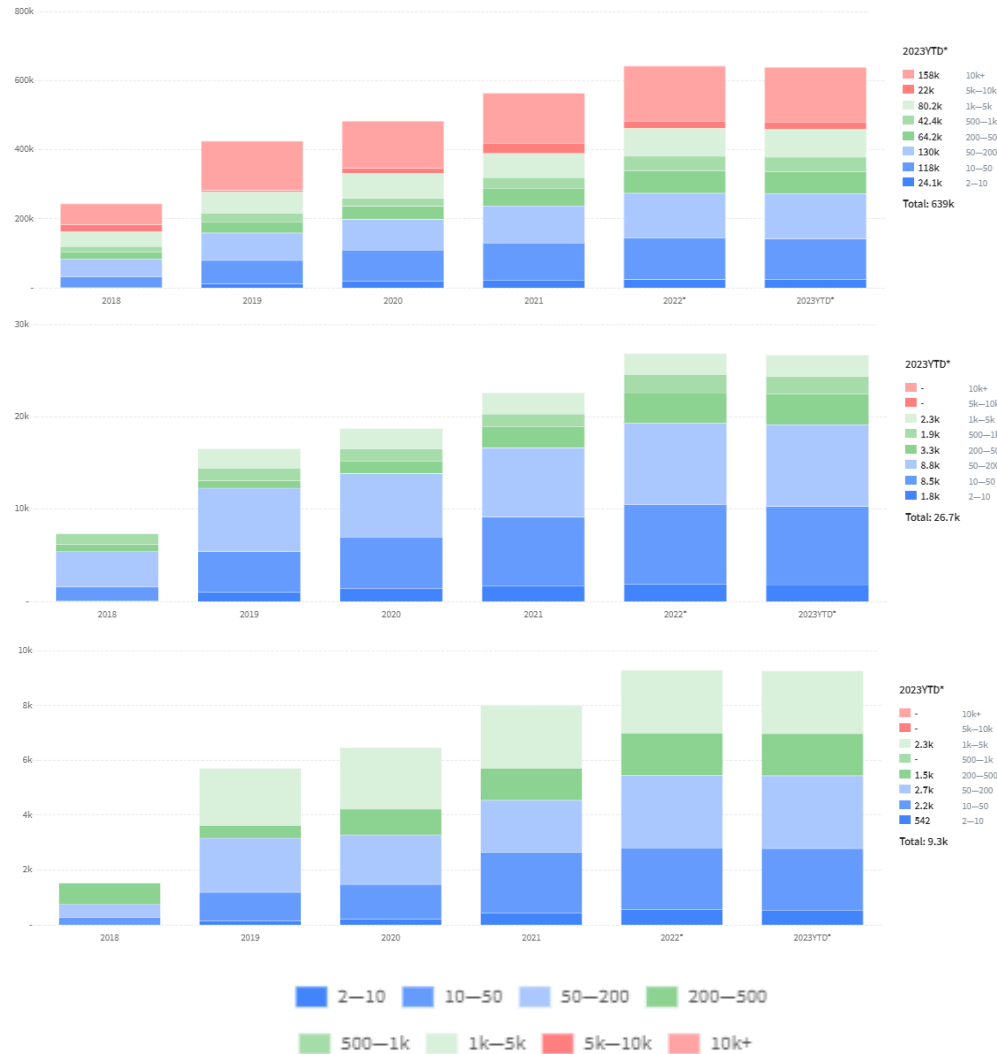
BY TECHNOLOGY AREA



BY INDUSTRY OF ACTIVITY



Deep tech startups and jobs created (2022)



[Job offers in deep tech startups in Madrid region](#)



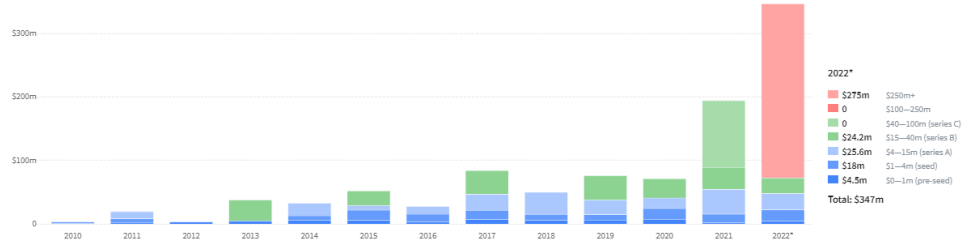
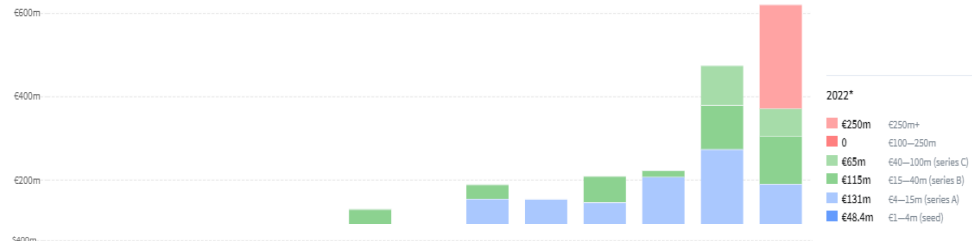
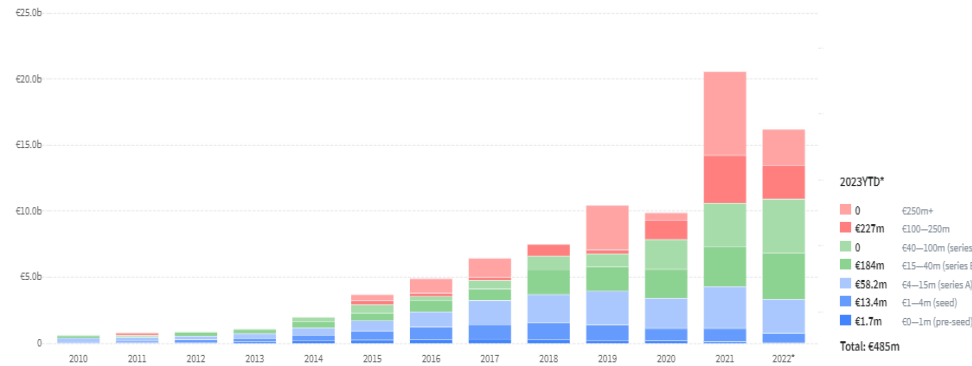
Europe: 17.300 startups
Jobs: 703k

Spain: 1.365 startups (8% of Europe)
Empleo: 28k (4% of Europe)

Community of Madrid: 347 startups
(25% de España)
Empleo: 9,2k (33% de España)

Investment obtained by deep tech startups (2022)

[List of investment rounds in deep tech startups in the Community of Madrid](#)



\$0–1m (pre-seed) \$1–4m (seed) \$4–15m (series A)

\$15–40m (series B) \$40–100m (series C) \$100–250m \$250m+

Europe: 17.800 M\$

Spain: 663 M\$ (3,7% of Europe)

**Community of Madrid: 398 M\$
(60% of Spain)***

































Discounting a single investment of 250 M€ in Seedtag, it would be 31% of Spain.

Source: Startup Radar madri+d and Dealroom data for deep tech in [Europe](#) , [Spain](#) and [Community of Madrid](#)

Main deep tech investors in the Community of Madrid

[List of 181 deep tech investors in the Community of Madrid](#)



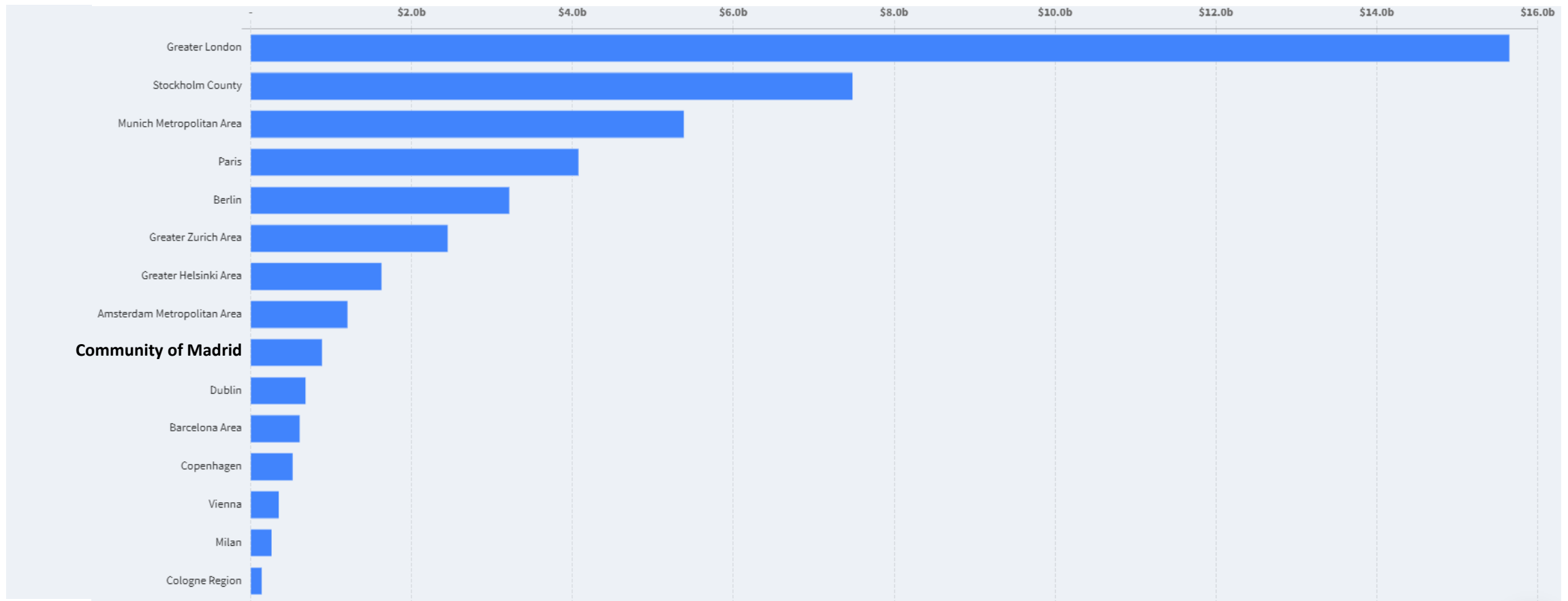
 Wayra Telefonica backed, digital busines...	 Axon Partners Group Global Investment, Alternative Ass...	 Bankinter A leading Spanish banking group ...	 CEMEX Ventures We are an open & collaborative #C...
 Cabiedes & Partners Seed and early Series Investments ...	 K Fund Early stage vc firm that, with an en...	 Santander Group Bank with services specifically for ...	 StartCaps Ventures Support, mentoring, and guidance...
 Sherpa Capital Leading VC fund in Spain	 Faraday Venture Partners Faraday Venture Partners is a priva...	 Bonsai Venture Capital	 Swanlaab Venture Factory We are more than a Venture Capita...
 CDTI Promotes the innovation and tech...	 Big Sur Ventures https://www.crunchbase.com/org...	 Athos Capital Athos Capital is a venture capital fi...	 Finnovista Finnovista - Transforming finance f...
 ENISA Financial boost to SMEs	 Adara Ventures Adara Ventures is a venture capital...	 Spanish National Research Council - Consejo Superior de... CSIC is a government agency for b...	 BeAble Capital Seed venture capital company spe...
 Seaya European venture fund investing i...	 Samaipata An early-stage founder's fund inve...	 Telefónica Innovation Ventures Telefónica Innovation Ventures is T...	 CARDUMEN CAPITAL Cardumen Capital is an Israel focu...
 Mundi Ventures VC firm focused on Series A/B roun...	 IMPACT Accelerator Top ten global startup accelerator. ...	 Fellow Funders Fellow Funders is an independent ...	 Bullnet Capital High Tech Venture Investors
 JME Ventures For the last decade, we have partn...	 Telefonica One of the largest telecommunicat...	 Bonsai Partners Private fund focused on internet in...	 Bewater Funds Private securities investment for p...

International position of the Community of Madrid by deep tech startups

- 4th European hub next to Barcelona in number of deep tech startups after London, Paris and Berlin
- 7th European hub in jobs in the sector (9,200) after Zurich, London, Munich, Paris, Berlin and Stockholm
- 7th European hub for deep tech investment in 2022 (398 M\$) after London, Paris, Berlin, Amsterdam, Munich, Stockholm, Zurich and Helsinki *
- 9th European hub for deep tech investment in 2017-22 (\$886 million) after London, Stockholm, Munich, Paris, Berlin, Zurich, Helsinki and Amsterdam *

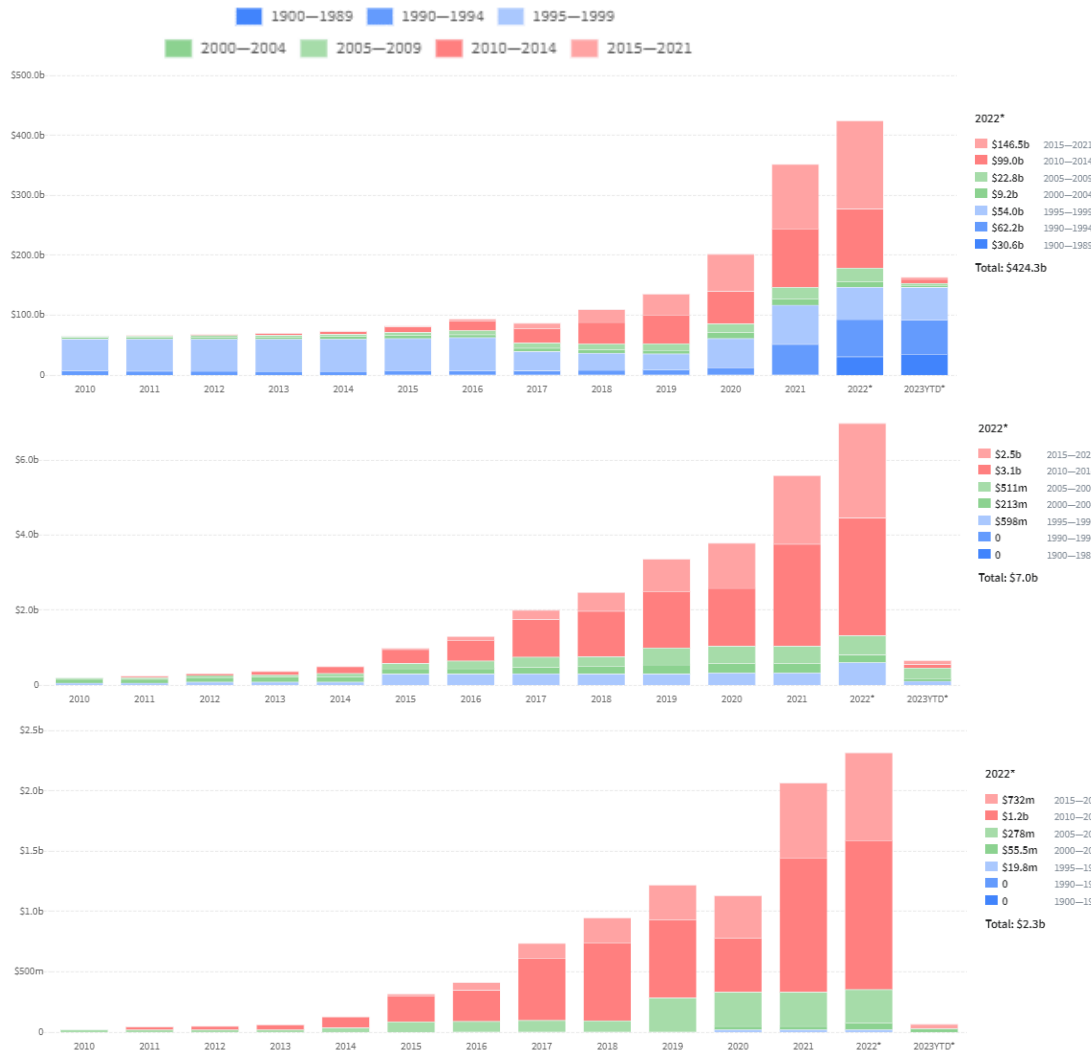
* Discounting one only investment (Seedtag, 250 M€) the position would be 10th in investment in 2022 including Berlin, Amsterdam and Barcelona and 11th in investment in the period 2017-2022 including Dublin and Barcelona.

Investment raised by deep tech startups in major European ecosystems (2017-2022).



Total valuation of deep tech startups (2022)

[List of deep tech exits in the Community of Madrid](#)



🇪🇺 **Europe: 530.000 M\$**

🇪🇸 **Spain: 7.700 M\$ (1,5% of European deep tech startups valuation)**

🇪🇸 **Community of Madrid: 2.764 M\$ (35% of Spanish deep tech startups valuation)**

Some deep tech companies with highest valuations

[List of Deep tech startups in the Community of Madrid with valuation data](#)



A platform that converts spatial data into efficient delivery routing, improved behavioral marketing and strategic store locations.

300M € Valoración



Leveraging AI to generate global and deep real-world evidence, enabling data-driven healthcare.

110M € Valoración



Contextual advertising technology that leverages the power of machine learning to provide human-like understanding of content.

200M € Valoración



A company that designs and manufactures medical devices and catheter-based systems for the treatment of supraventricular tachycardias.

100M € Valoración



It develops solutions for soil health and improves crop nutrition to help produce the food the world needs.

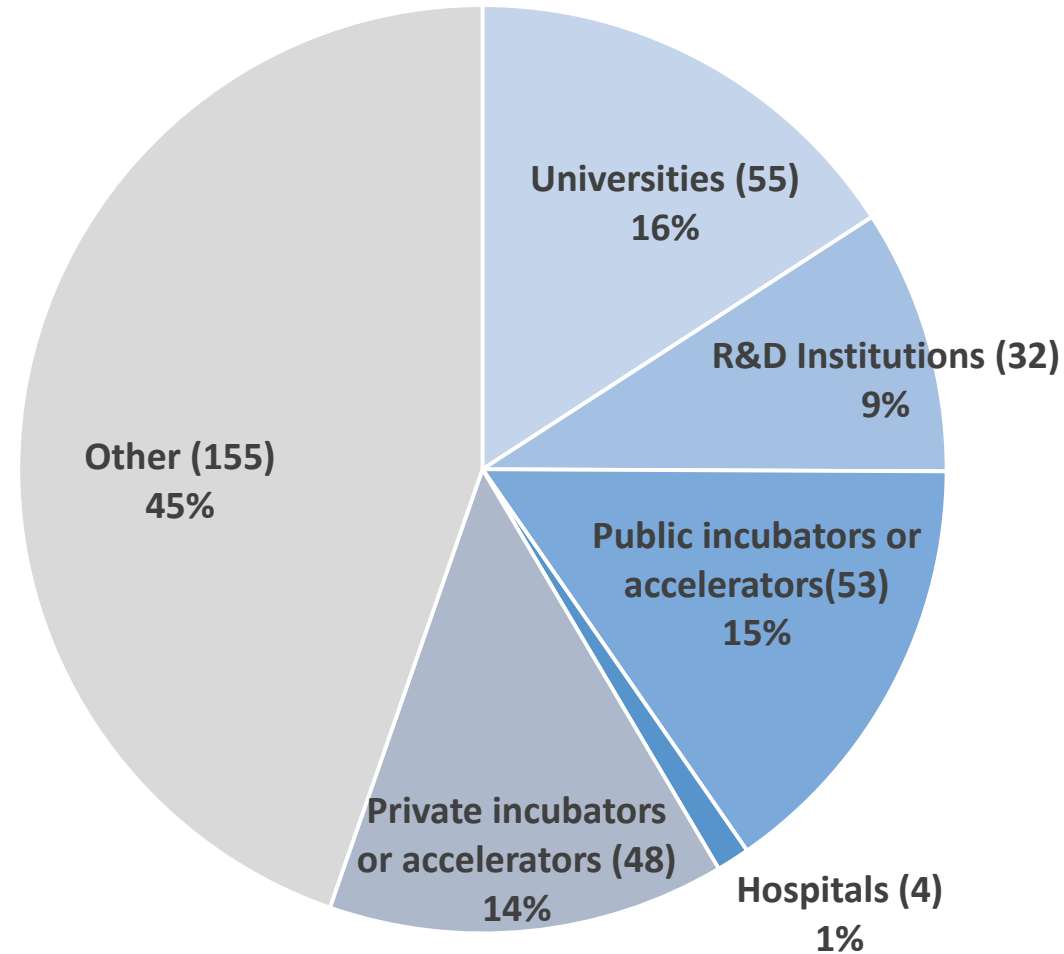
192,5M € Valoración



They combine Artificial Intelligence algorithms in the cloud with wearable technology to detect cardiac problems early.

60M € Valoración

Madrid deep tech startups supported by Madrid entities, by type of entity



Deep tech startup support entities in Madrid Region

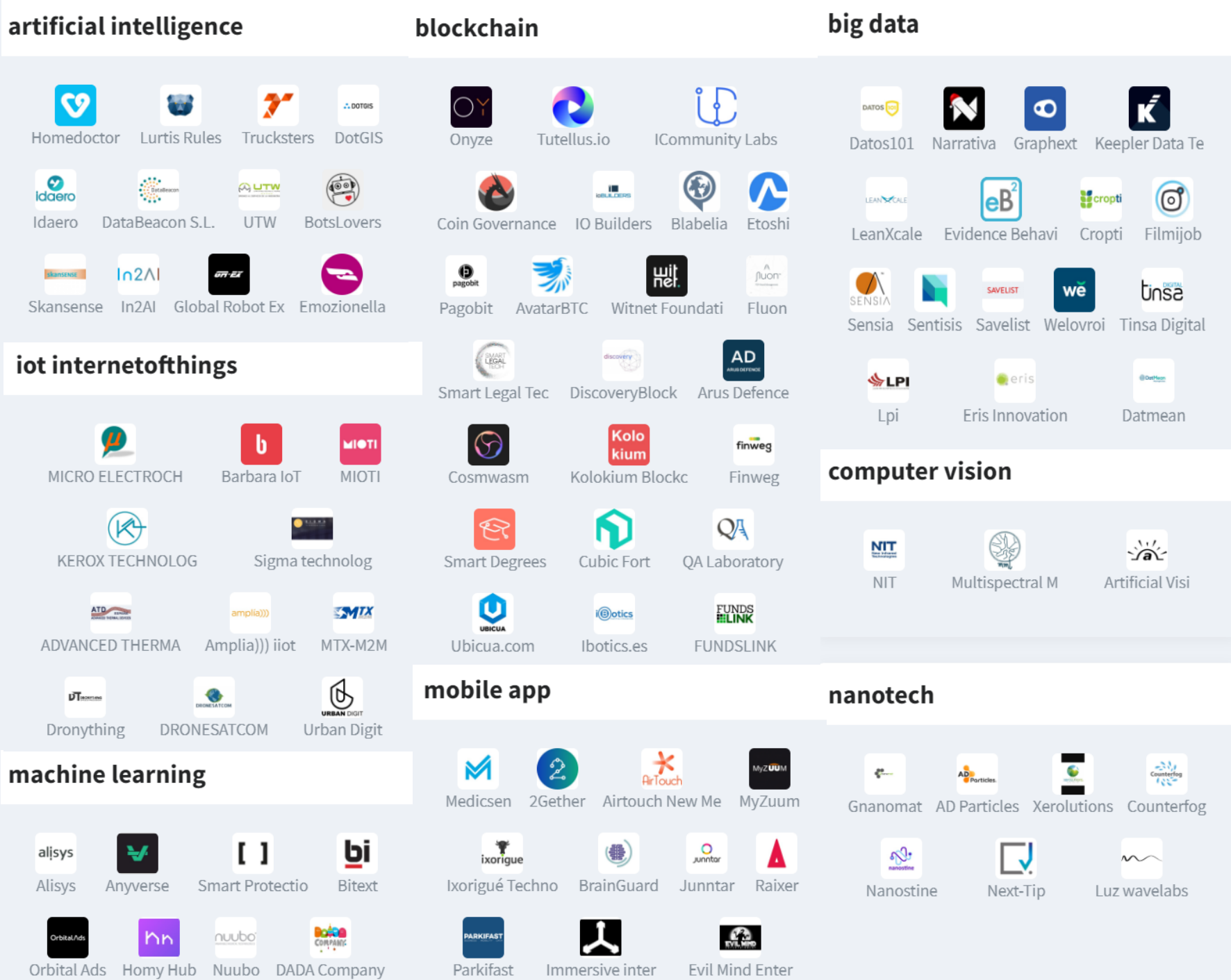
Science parks	       	  Powered by 	>5 startups supported	
R&D Institutions	       	      		
Academia & other public institution	             	            		
	Public Incubators, Accelerators & R&D Institutions	Selected corporate & private Accelerators & Facilitators	>1 startup supported	

Support to Madrid Deep tech startups

Support to Madrid Deep tech startups



[Public incentives and aid](#)



DEEP TECH STARTUPS
OF THE COMMUNITY OF
MADRID

BY OTHER TYPES OF
TECHNOLOGIES

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madri+d

DEEP TECH STARTUPS OF THE COMMUNITY OF MADRID

BY OTHER TYPES OF TECHNOLOGIES

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augmented reality

3d technology

recognition technology

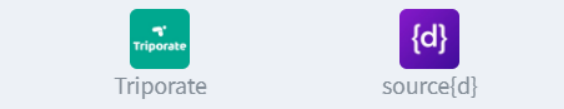
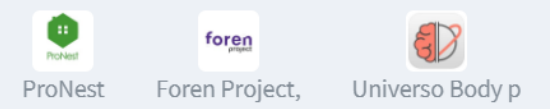
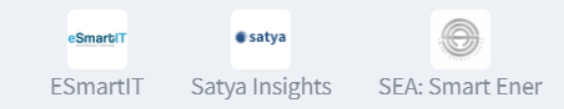
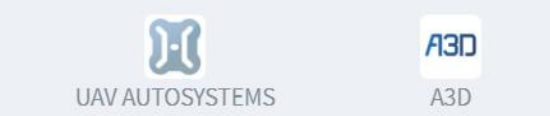
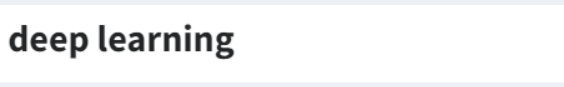
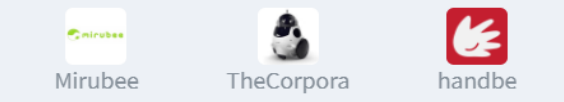
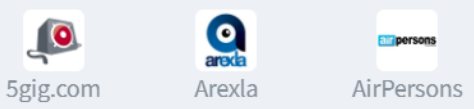
autonomous & sensor tech

connected device

virtual reality

deep learning

quantum technologies



Deep tech startups with best Dealroom signal (Q4 2022)

[Selected list of deep tech startups in the Community of Madrid by Dealroom Signal](#)



NAME	DEALROOM SIGNAL		Frenetic ★ ❤️ Using an AI-based technology to d...	Kaleidos Open Source ★ ❤️ Value-driven partner for tech-heav...	MICRO ELECTROCHEMICAL TECHNOLOGIES, S... A project focused on microflow ba...
tucuvi ★ 🦋 ❤️ Makes continuity of care at home ...	58	Plant Response Biotech ★ ❤️ Developing soil health solutions a...	47	Ienai SPACE ❤️ Develops efficient ionic-liquid elec...	30
Idoven ★ 🦋 ❤️ Idoven developed the first cloud p...	55	Medlumics ★ ❤️ A pre-commercial, medical device ...	45	Geoblink ❤️ The location management platfor...	30
Carto ★ ❤️ A platform that turns spatial data i...	55	Kymatio ★ ❤️ Employee cyber risk management	38	CEDRION ❤️ Designs and produces plasma devi...	30
Elaisian 🦋 Developed a precision farming sys...	54	TROOP ★ ❤️ A data aggregation and visualizati...	38	Drone Hopper 🦋 ❤️ An aeronautical engineering comp...	30
Corify Care ★ ❤️ The developer of an innovative an...	52	Rated Power ★ 🦋 ❤️ Offers pvDesign, the leading cloud...	36	Chargy ❤️ Focuses on design and develops h...	29
Seedtag ★ ❤️ Contextual advertising technology...	47	Kdpof ★ ❤️ Innovative high-speed optical net...	35	Lurtis Rules ❤️ A cloud service that produces com...	29
Spotlab ★ ❤️ Developing innovative technology ...	47	Canard Drones ❤️ The leading company in the use of ...	34	Trucksters ★ ❤️ Offering a FTL long-distance trans...	28
Marsi bionics ★ 🦋 ❤️ Developing disruptive innovative t...	47	CHECKTOBUILD ❤️	34	DotGIS ❤️ Offers solutions of data analysis in ...	28

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