

# Synergies for the future – Al in Public Services



Michael Dritsas CEO Elevate Greece SA May 2023



### **R&I Competent Ministries**

**GREEK GOVERNMENT** 

MINISTRY OF EDUCATION

25 HIGHER EDUCATION INSTITUTIONS (HEIs)

MINISTRY OF DEVELOPMENT & INVESTMENTS

GENERAL SECRETARIAT FOR R&I

ELIDEK (Basic Research)

11 RESEARCH CENTERS (RCs) (Basic & Applied Research)

3 TECHNOLOGY ORGANISATIONS

ELE**≫**TE GREECE

MINISTRY OF DEVELOPMENT & INVESTMENTS











# Research Centers supervised by GSRI

#### **STRICTLY HEALTH / BIO**

- 1. Hellenic Pasteur Institute
- 2. Biomedical Research Foundation of the Academy of Athens (BRFAA)
- 3. <u>Biomedical Sciences Research Center "Alexander Fleming" BSRC Fleming</u>

### MULTIDICIPLINARY INCLUDING HEALTH / BIO

- 4. Foundation for Research and Technology Hellas (FORTH)
- 5. Athena Research & Innovation Center in Information, Communication and Science Technologies
- 6. National Centre for Scientific Research "Demokritos"
- 7. Centre for Research and Technology Hellas / CERTH
- 8. National Hellenic Research Foundation / NHRF

#### **OTHER RCs**

- 9. Hellenic Centre for Marine Research (HCMR)
- 10. <u>National Observatory of Athens (NOA)</u> (Astronomy, Climate change, Earthquake monitoring etc)
- 11. National Centre for Social Research (NCSR-EKKE)

Research Centers supervised by GSRI
Athena Research & Innovation Center in Information,



(3 Spots) Hellenic Centre for Marine Research



**Biomedical Sciences Research Center** "Alexander Fleming" - BSRC Fleming

**National Observatory of Athens** (NOA)



Communication and Science Technologies (3 Spots)







**Centre for Research and Technology Hellas** 



Centre for Research and Technology Hellas / CERTH



Biomedical Research Foundation of the





# **Greek Universities**

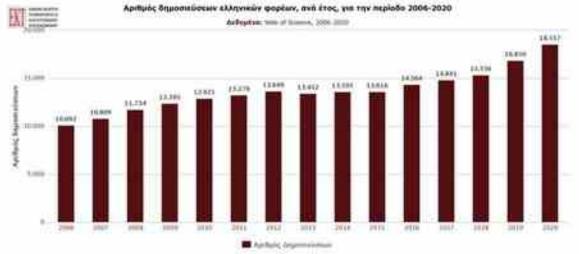
- 1. National and Kapodistrian University of Athens
- 2. National Technical University of Athens
- 3. Hellenic Open University
- 4. Panteion University
- 5. Agricultural University of Athens
- 6. Athens University of Economics and Business
- 7. University of Piraeus
- 8. Harokopio University of Athens
- 9. Athens School of Fine Arts
- 10. Technical University of Crete
- 11. University of West Attica (formerly TEI of Athens and TEI of Piraeus)
- 12. Hellenic Mediterranean University
- 13. International Hellenic University
- 14. School of Pedagogical and Technological Education (ASPETE)

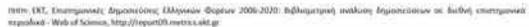
- 15. University of the Peloponnese
- 16. Aristotle University of Thessaloniki
- 17. University of Ioannina
- 18. Ionian University
- 19. University of the Aegean
- 20. University of Patras
- 21. University of Crete
- 22. University of Macedonia
- 23. University of Thessaly
- 24. University of Western Macedonia
- 25. Democritus University of Thrace

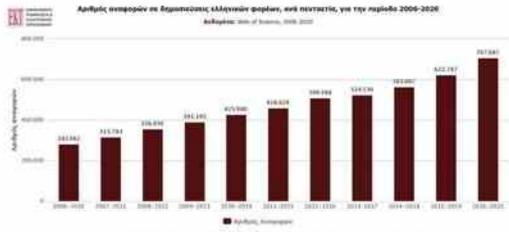
#### Web of Science: Citation Index 2004 - 2020

#### **Scientific Publications**

# Scientific Citations





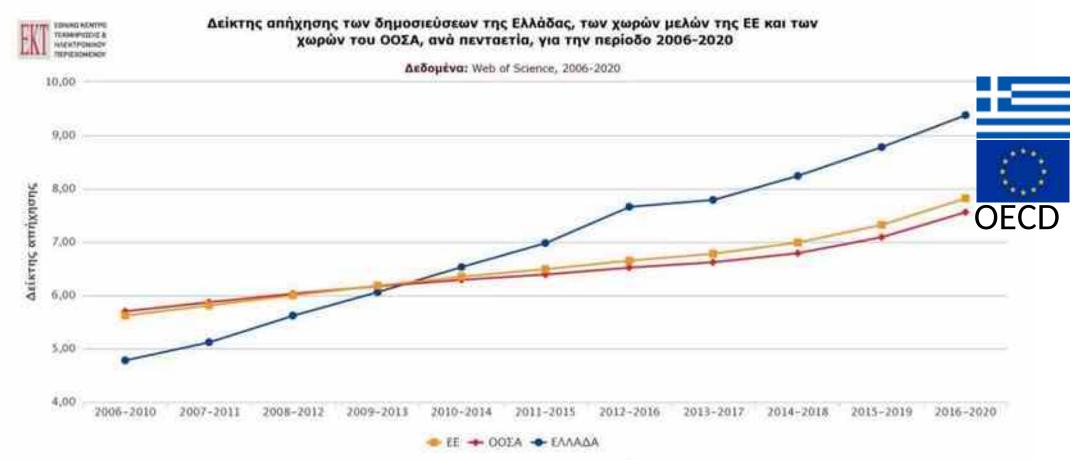


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https://metrics.ekt.gr/publications/572



#### Web of Science: Greek Scientific Publications 2004 - 2020



ΠΗΓΗ: ΕΚΤ, Επιστημονικές Δημοσιεύσεις Ελληνικών Φορέων 2006-2020: Βιβλιομετρική ανάλυση δημοσιεύσεων σε διεθνή επιστημονικά περιοδικά - Web of Science, http://report09.metrics.ekt.gr

## **COUNTRY PERFORMANCE IN HORIZON 2020**







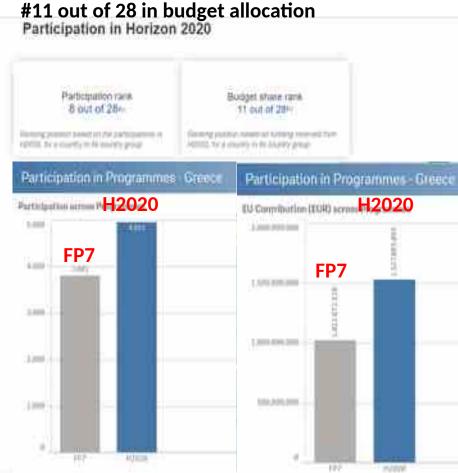


#### Participation in Horizon 2020





#8 out of 28 in participations - #11 out of 28 in budget allocation



#### **R&D Intensity: R&D / GDP**

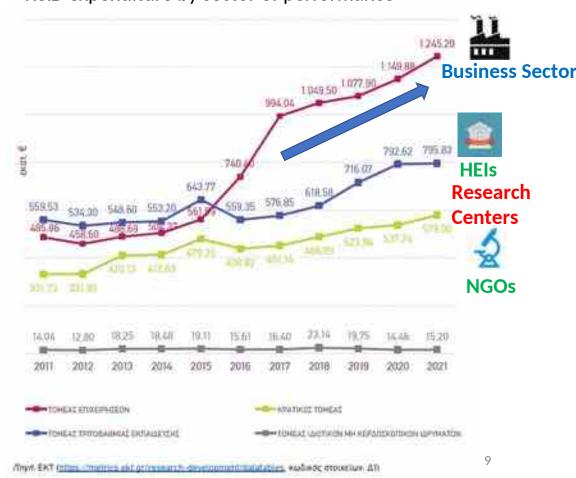
GR Target for 2020 : 1,20%

Achieved by 2020: 1,51%



R&D exp. in million euros R&D % GPD

### R&D expenditure by sector of performance

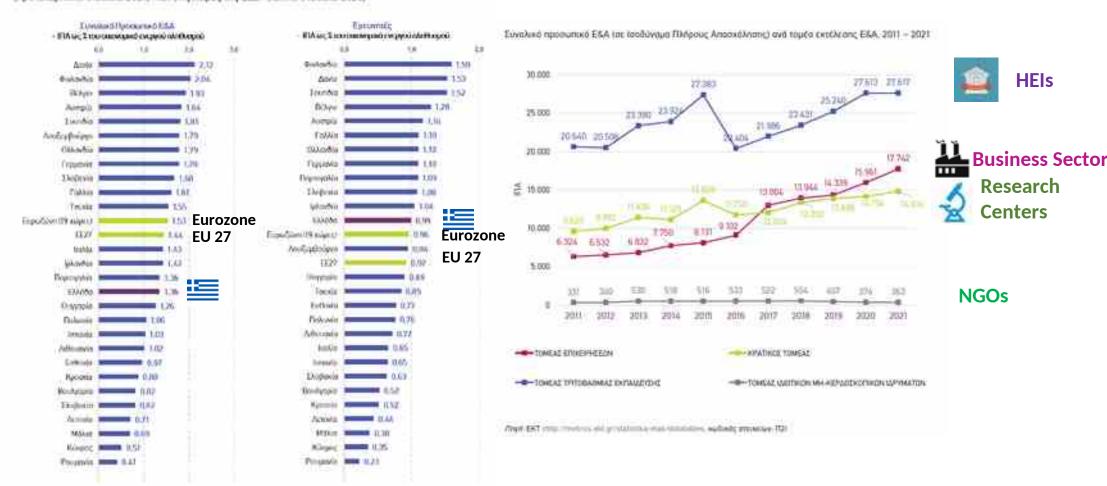


#### FTE Research personnel/Total

#### **FTE Strictly Researchers**

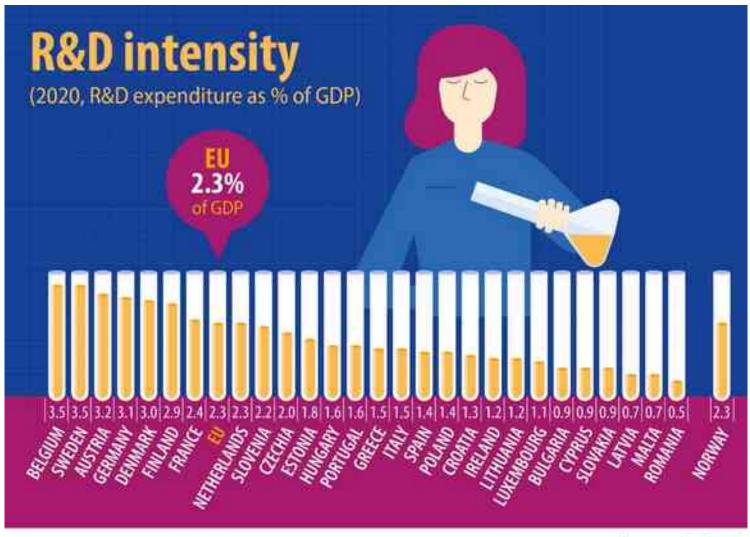
### FTEs of Research personnel employed/Total per sector

Συναλικό Προσωπικό ΕΒΑ και Ερευνπτές (ΠΑ ως % του οικανομικά ενεργού πληθυσμού<sup>4</sup>) στην Ελλάδα (προκαταρκτικά στοιχεία 2021) και στις χώρες της ΕΕ27 (τελικό στοιχεία 2020)

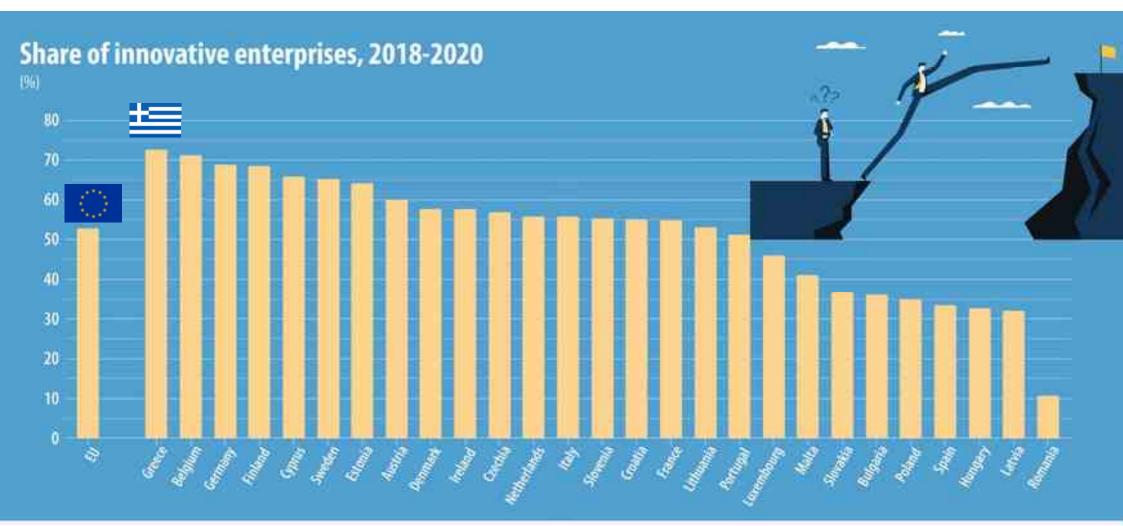


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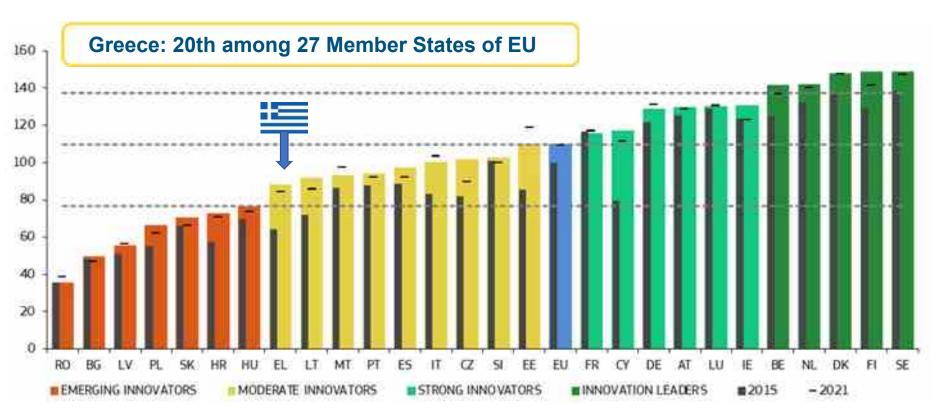
### Greece ranks in 14th position from 16th



# #1 Country in EU in introduction/adoption of innova

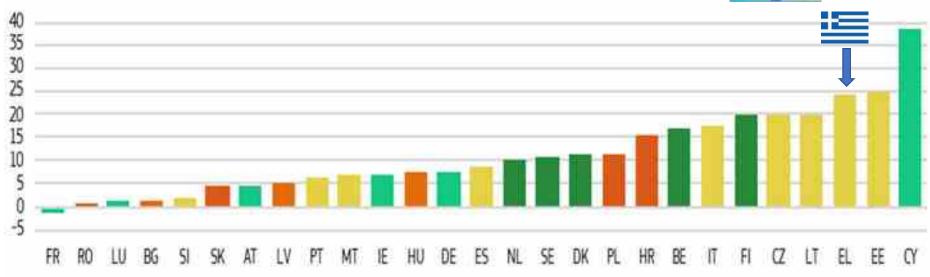








Overall improvement between 2015 - 2022



Performance change between 2015 and 2022

Greece ranks 3rd among the countries with highest improvement

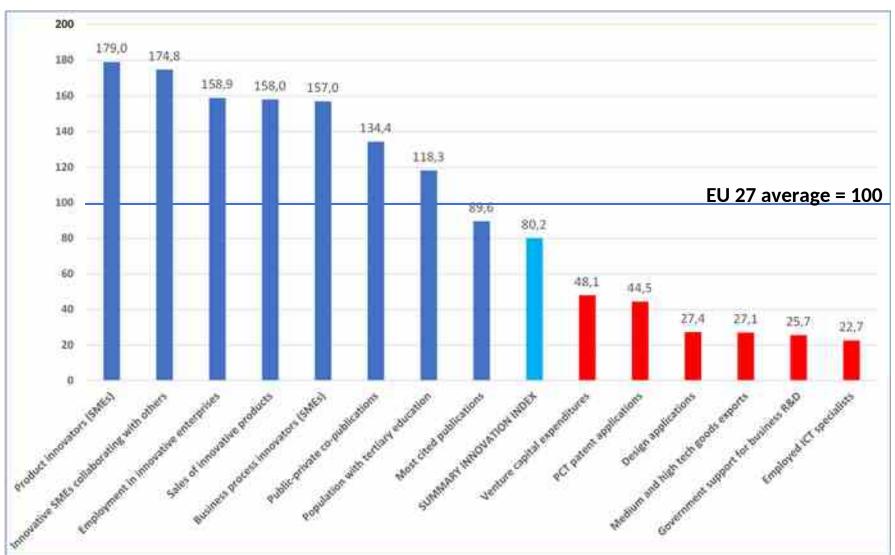
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Digitalisation	11.1	50	- 4	
trahei gotter			-	
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Revenue and support	46.7	- 10		
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	Grzete	Crecs	Relative to EU in 2025	Reizove to EU 2022 in 2022
1.2.3	Foreign doctorate studients	Προσέλευση Είνων για διδακτορικές σπουδές	2.5	12
143	Lifelong learning	Δια-βίου Μάδηση	36,3	18,9
2.5.2	Employed iCT specialists	Annogoloups voi effective superior de Tité	35.7	18,9 22,7
2.1.1	Government support for business A&O	Κίνητρα πολιτείας μιο διαπάνος ΕΒΑ από επιχειρήσεις	25,6	25,7
4,2.1	Medium and high tech goods exports	Εξαγωνές Προϊοντων Μέσης & Υφηλής Τεχνολογίας	30,1	27,1
3.2.3	Design applications	Αιτήσεις Κατοχύρωσης διομηγένικών Σχεδίων	12,4	27,1 27,4
1.3.1	Broadband penetration	Διείοδυση ευρυζωνικότητας	59,0	16,2
5.5.1	PCT patent applications	Αιτήσεις Κατοχόρωσης Διπλωματών Ευρεσιτεχνίας ΡΟΤ (πατέντες)	19,0	
2.1.7	Venture capital expenditures	Επειδύσεις από Εταιρείες Επιχειρηματικού Κεφαλαίου (VCs)	29,1	45.3
	Enterprises providing ICT training	Εταιρείες που παρέχουν βελτίωση δεξιοτήτων σε ΤΠΕ	26.7	50,0
	Environment-related technologies	Επευδύσεις σε τεγκολούες περιβάλλουπος	85.4	55,3 58,3
3.2.3	100-to-job mobility of MRST	Κυνητικόσητα εργαζόμενων σε επαγγέλμεστα Ε&Α	58.9	59.3
	innovation expenditures per employee	Δαπανες έξιλ ανά χργαζόμενο	86.1	66.1
	Doctorate graduates	Απόφαιτοι με Διδακτορικό	48,1	70,3
	Air emissions by fine particulate matter	Εκπομπές αέρα με μικροσωματίδια	82.1	71.5
	SUMMARY INNOVATION INDEX	EVNORTIKOT DEIKTHE KAINOTOMIAE	70,6	
1.3.2	Feople with above tastic overall digital skills	πληθμομός με ψηφιακές δεξώτητες άνω του μέσου όρου	831,6	#1,1
1.2.1	international scientific co-publications	Διεθνείς Επιστημονικές Συνδημοσιεύσεις	84,6	84.2
4.5.1	Resource productivity	Παραγωγικότητα πορων ως προς την Περιβαλλοντική Ευναιμότητα.	95.1	36,3
	Most ched publications	Δημοσισίατης στο top-10% ρε στεροαναφορές	88.6	39.7
3-3-2	Trademark epplications	Αιτήσεις Καταχύρωσης Εμπορικών Σημάτων	87,6	81,0
4.2.2	Chownedge-Intensive services exports	Εξειγωγές υπηρεσούν ένευσης γνώσες	87,8	26,3
000000000000000000000000000000000000000	R&D expenditures in the public sector	Δεπάνες ΕΊλΑ στεν Δημόσιο τομέα	90.9	100,1
	tion-4&D ittrovation expenditures	ENTIRE COLLEGE AND TERMINAL PROPERTY OF A BUSINESS Mode, LIKES	156,6	
	Population with tertiary education	Américas transferhang bet milleuring	33E,2	131,3
3.2.2	Public-private co-publications	Επιπημογικές ανθημοσείστις δημόσουν εδιωτικών τομέπ:	112.9	
	flusimess process inmovators (SMEs)	MANÉ pa kanocapia au exprangunya, Banyania;	200.0	
and deposits in	Sales of modyative products	Πωλήσεις και-οτόμων προϊέκτων	225,1	110,0
	Employment in innovative enterprises	жинеублую вы канесоция спідніцьюми.	122,5	110
_	innovative SMEs collaborating with others	Kanadajus MAVE tau averprajovas pri alikous	174.6	150
	Product innovators (SMEs)	NAME AT REGISTRAL ASSOCIALS	147.1	179





strengths





### **Global Innovation Index - GII 2022**

#### Rankings for Greece (2020-2022)

GIIYR	GII	Innovation inputs	Innovation outputs
2020	43	40	52
2021	47	39	60
2022	44	44	49

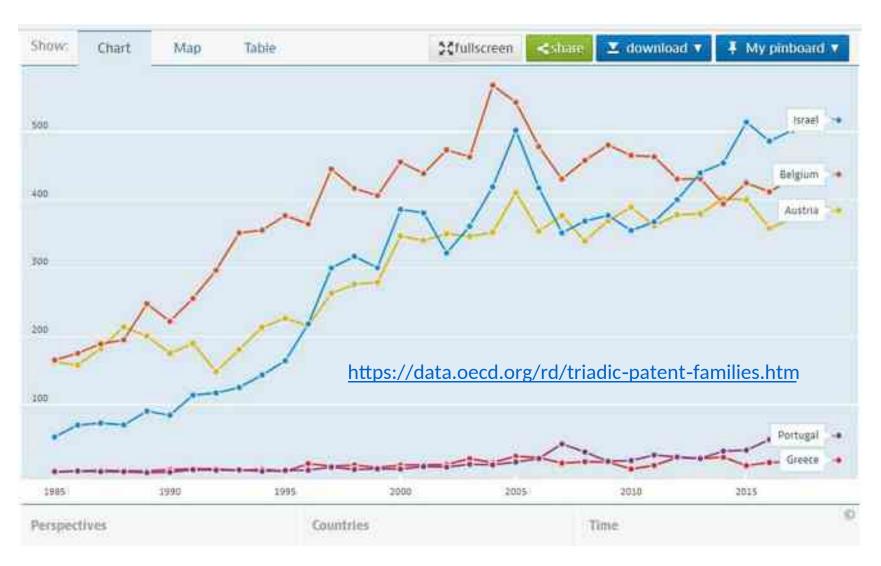
38th Greece ranks 38th among the 48 high-income group economies.

28th Greece ranks 28th among the 39 economies in Europe.

- + 3 spots in 2022
- Improvement in "Innovation outputs" but still along way to go



### **Triadic Patent Families (OECD)**



### Number of startups per capita



### **Number of unicorns**





	GREECE	PORTUGAL	ESTHONIA
# Startups	700	2.159	1.200
Population (million)	10,7	10,3	1,3
Startups / million	65,4	209,6	923,1
# Unicorns	2	10	10





## **R & I GOVERNMENT TARGETS**

**#1: Increase R & D expenses (% GDP)** 

# 2: Enhance linkages of Research with real economy

#3: Provide stronger support to the startup/spin-off ecosystem

### **National Council for Research and Innovation (NCRI)**

### The supreme advisory body for the formulation and implementation of the national policy for Research, Technology and Innovation



Καθ. Σπύρος Αρταβάνης-Τσάκωνας Chief Scientific Officer & Executive Vice President, Biogen Ομότιμος καθηγητής κυτταρικής

βιολογίας Harvard



Αρίστος Δοξιάδης **Bia Pi Ventures** 



Βασίλης ΑντωνιάδηςΔρ. Ευάγγελος Καρκαλέτσης Managing Director

& Senior Partner

**BCG** 



Διευθυντής Έρευνας Ινστιτούτο Πληροφορικής &

Τηλεπικοινωνιών



Νέλλη Κάτσου Μέλος Δ.Σ Pharmathen S.A



Καθ. Δώρος Θεοδώρου Σχολή Χημικών Μηχανικών Εθνικό Μετσόβιο Πολυτεχνείο



Καθηγήτρια Φιλοσοφίας



Καθ. Βάσω Κιντή Καθ. Ελίζα Κωνοφάγου Ρούλα Μπαχταλιά **Biomedical Engineering Columbia University** 



Programme Manager Egg,Enter,Grow,Go



Διευθυντής Ινστιτούτου Βιώσιμης Κινητικότητας & Δικτύων Μεταφορών, ΕΚΕΤΑ



Δρ. Ευάγγελος Μπεκιάρης Αιμίλιος Χαλαμανδάρης Επικεφαλής E&A Samsung Electronics CEO The Innoetics



**Ecole Polytechnique Federale** de Lausanne (EPFL)



**Technical University of Munich** 



Καθ. Αναστασία Αϊλαμάκη Καθ. Ελευθερία Ζεγγίνη Καθ. Χριστίνα Κουλούρη Πρύτανης στο Πάντειο Πανεπιστήμιο Κοινωνικών & Πολιτικών Επιστημών



Δρ. Ιωάννης Ταλιανίδης Διευθυντής Ερευνών, Ινστιτούτο Μοριακής Βιολογίας & Βιοτεχνολογίας (ΙΤΕ) **AXA Chair in Epigenetics** 

# Main Pillars of the National Strategy

National Strategy for Research and Innovation 2021 - 2027

Pillar 1: Investir Excellence and in Innovation Research huma

Connecting
Research with the production sector

Innovative entrepreneurship

Pillar 2: Excellence and Research human potential

Enhancing human research potentia / skills

Supporting Research Infrastructures Pillar 3: Societal Challenges, Science and Society

Societal and economic Challenges

Connecting
Science and
Society, support of
sectoral policies

**HORIZONTAL DIMENSION: Internationalization** 

### **Linking Research with Innovation & Entrepreneurship**

- Research Create Innovate": 1,137 projects which link
  Research with Innovation in 8 critical sectors (720.7 m. EUR)
- Establishment of 22 Innovation Clusters
- Establishment of 11 <u>Competence Centres</u> in Greece for the development of innovative entrepreneurship, mainly for small-to-medium businesses
- New legal framework for <u>Spin-Off companies</u>
- Financial support of 25 TTOs









# OCTOBER 2020: Establishment of a Startup Registry





### www.elevategreece.gov.gr

### **Elevate Greece "Mission"**

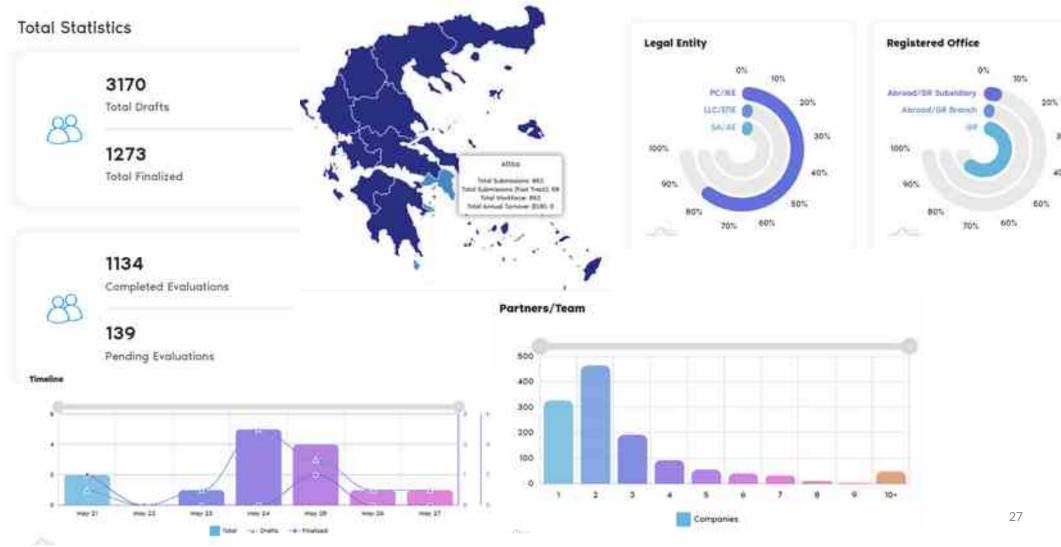
 to identify promising startups and support their growth, by nurturing a robust innovation ecosystem







## Applications' analytics

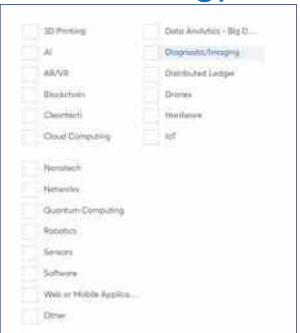




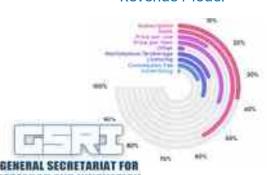
# **Industry**



# **Technology**



#### Revenue Model



#### **Business Model**



#### 1odel



Maturity

### **Funding Sources**



- Bootstrap
- Business Angel
- Grant
- VC
- Other



### **Registered Startups**



~ 750+ startups as of today!



## **Registered Startup Database**

The Ultimate Point of Reference for Startups in Greecel

	GREECE	Benefits	Stortup Datobase	Innovation Ecosystem	Official Portners	About +	Registry	88	
Stortup	<ul> <li>Industry</li> </ul>		Technology			Region	Employee count	Total funding 6	Website
Big-Blaned Energy Sychnologies PC	Environment (GreenTech. C		Claratech, Hundwine			Central Macedoola	34	ig	P
# BIOEMISSION ECHNOLOGY SOLUTIONS IN	Life Sciences Marshifects I		Diagnosic/Inaging, Har	tware, Nanotech, Senoors		Attics	70	lj.	P
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CollegeLink ME	Human Reso	urces	Data Analytics - Big Data	s Software. Web or Mobile Applicati	om	Atticu	9	15040	8
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Cube RM IKE	Life Sciences HealthTech, E		Al, Duto Analytics - Big Duto, Software			Attice	56 T	8	8
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### Registered Startup Database

The Ultimate Point of Reference for Startups in Greece!

### GREEGE



Company Website: https://www.supreduces/

Company Email: Malifestaments on

Employees: 4%

Familing State: Series A.

INDUSTRIES.

Aprillech / Foodlech

TECHNOLOGY

#### About

Augments Agriculture Technologies (Augments) is a seen tech Creek starture, it was established in 2016 when George Variantal and Dimitris Evangetopeutra. Frustrated with the orginalize process living stark with the same livefficient system, since oges, decided to provide a octube for tast and easy splicits of the most modern forming techniques. Augments's vision is to be the ecotion for auditinable and productive agriculture through the wide uptake of precision methods among of farmers, it adopted the most us automating and precisity environmentally effective form operations. Note the use of subtracts and meanings in the following real time, multipocinal computer vision. Augmenta's good is to increase the efficiency of every hectars of ions, utilimately augmenting the british line of the overage former. The Campany's success was recognitive by Fortice, which listed the foundary argumenting the british line of the overage former.

#### Solution & Product

Augmenta's System is an all-in-one plug & play system that is mounted to the front of a tractor. As the bracker operates in the field, the software uses All-ML modes to analyse the coplured images, determine the status of each both of anguand regulate inputs. The accoming system also communicates with the sprayer/spreader using the SCDUS protocol to mointain a constant flow of information for remotion software operations. The system maximizes yield, qualify and reduces conjugate. The All-ML status assertionally impressed that using software conjugate to deployed. The moles it is realised and long-instituted for Society for some status of the conjugate conjugate that a realised and long-institute (for presentational for Society and Sugar some Soytesse. Wheat, Grapes, Termitoes, Potatios, Counts, Lesfy greens, and Supplements.

#### innovation & Scalability

The Augmentia System has a great scale-up potential due to:

I I ferbolical features, its bordware is built using off, the shell hilk and sk range comerce (liony and hinter). The company will have a small in house asserted the world, enabling quick and non-copital interprets industrialization. The built-in ALAM, driver software and could analytica, are highly activate and able to improve themselves using applicituated AI associations, meaning that the mare the innovation is adopted by farmers, in Europe and internationally, the better its performance improvement will be. The technology is scalable since it improves several tasks in any popul, crop types, and increased predictive capability for crop management, which will be expanded in the future for weed and plant disease control.

3) Regulatory requirements: Augments has already considered the regulations meeted to notice market sufficients. The company is in the possess of thing for the CC mark and will be able to timely comply with the regulatory requirements.

#### OWE TIMES

Augments develops on incombine, All books, Precision Forming System.

#### TEAM



George Varynnells, Colleander



Dimitris Evangelopoulos, Collounder

#### FLINDING

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108 6:4A; CNH Industrial, Pyrmymic, HCVC, Marathon Venture Copital

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#### PATENTS



### Registered Startup Database

The Ultimate Point of Reference for Startups in Greece!



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#### innovation & Scalability

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I) Regulatory requirements augments the present continues the regulations receive to actions market authorization. The company is in the property of the prope

#### Traction & achievements

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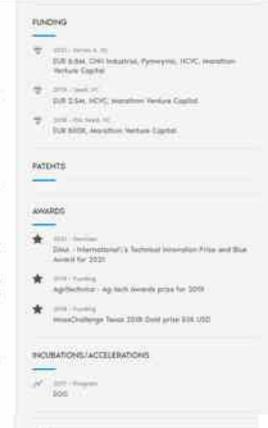
Exmently, the augments System has been deployed 75 times across 17 different countries and our customers have used the system in more than 35 data across

#### Tegm & Why Us

Augmental's form customy comprises all members, all will high level account topic provide with operational (A.2s or PAC in Engineering Policies, Agriculture, Policie, and Bostonial The local includes uniform only form engineers, argumenty, operation and communities expected. Altogether, the best to regulate of communities experted and resource (architecture) appetites, appropriately, from experted, Altogether, business, edgestive and private development, and the appropriate of constraining provides. Augmental private bit further expense to these business and other architectures appropriate and confidence for the consequent functions appropriate.

#### Funding Heads

Developing an agribuit substitut is a quite compass anderson. Our beam includes Suffrance and introduces Engineers, Agricultural, inc. Los. Computer States States, and Developed speed and Computer States Suffrance and Suffrance Suffranc



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(D) American Services

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### **Official Partners**

#### **Business Partners**



#### **Institutional Partners**







## **National Startup Awards**







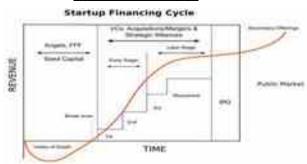




### Favourable conditions for startup ecosystem growth

- Favourable tax incentives for stock options / L. 4646/2019, gazette A' 201, Art. 4
- Favourable tax incentives for Angel Investors / L. 4712/2020, gazette A' 146, art. 49
- Call for working capital cash injections up to 100.000 euros, addressing covid-19 negative impact
- Funding from Angel Co-investment fund and 10 VC funds New funds ahead !!

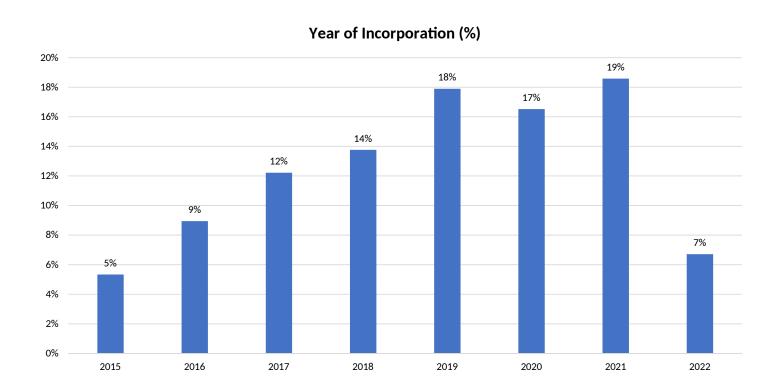




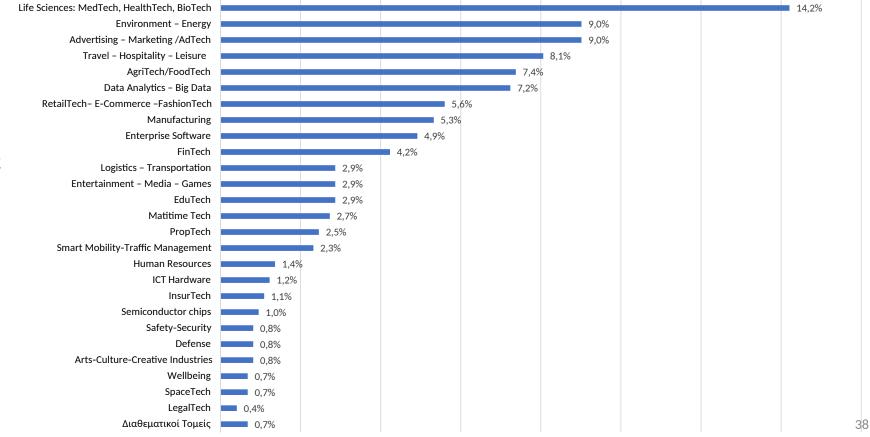


Global networking and pitching events





#### Startups (%) by sector



10%

12%

14%

16%

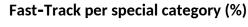
2%

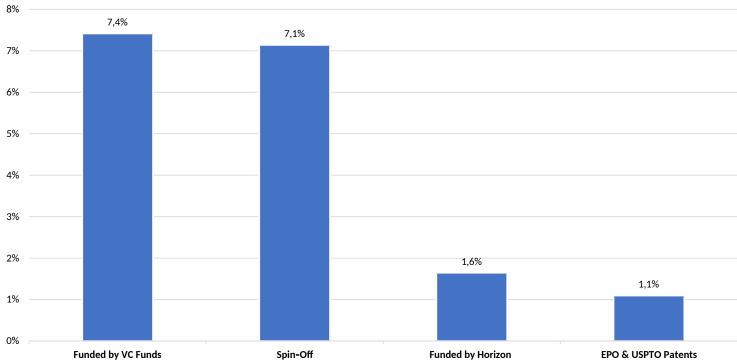
0%

728 startups up to 31.12.2022

### Up to 31.12.2022

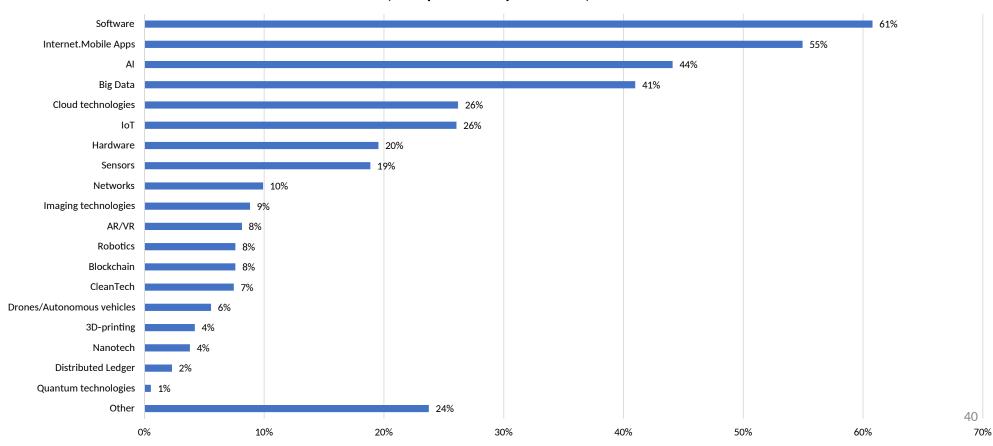
Fast-Track way	Numbers
Funded by VC Funds	54
Spin-Off	52
Funded by Horizon	12
EPO & USPTO Patents	8
	126

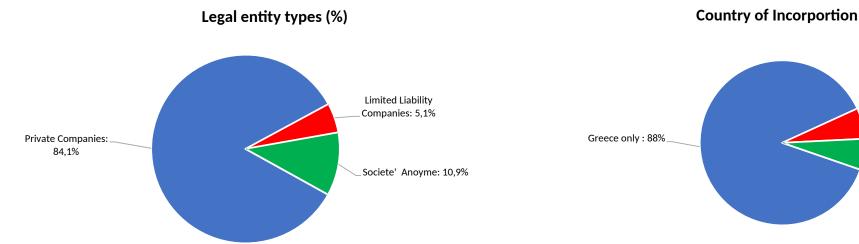




### **Preffered technologies (%)**

(multiple answer possibilities)



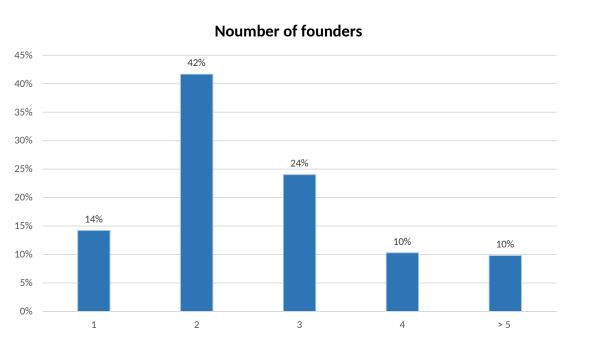


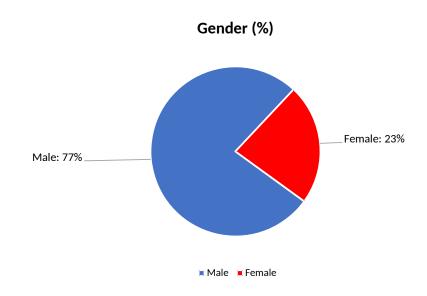
41

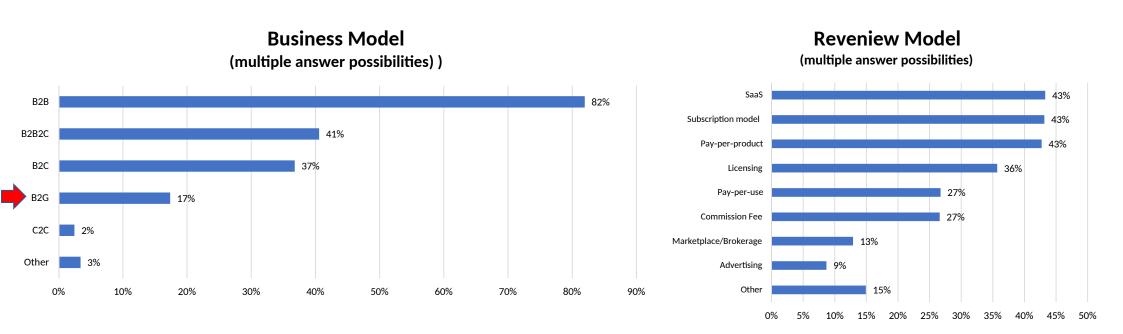
Abroad - branch in Greece: 6%

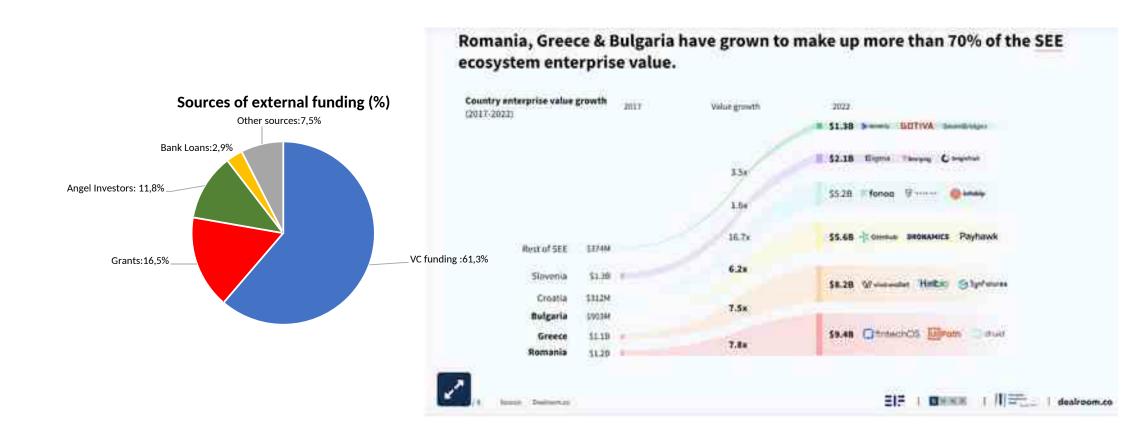
Abroad - sabsidiary in

Greece: 6%









### Elevate Greece Startup Ecosystem Statistics: 350 use Al

Download on PDF 350 Stortups Industry Technology Employee count Total funding € Website Startup Region Data Analytics - Big Data All Cloud Computing Data Analytics - ... Attion 50 16.3H 8 Intelligencial Life Sciences (MedTech, HealthTech, Bio., Al. Data Analytics - Big Data, Software Atties 110 1304 Augmenta Agriculture Technol... AgriTech / FoodTech Al. Cleantech, Data Analytics - Big Dat... Attion 9.7M 46 PD NEUROTECHNOLOGY LIM... Life Sciences (Mod Tech, HealthTech, Bio : Al, Cloud Computing, Data Analytics - .... Attica 36 5.5M Bryg BRYG - IDALTO HELLAS MIKE Al. Data Analytics - Big Data, Software. ... Attica Human Resources 11 5.5M Convert Group Data Analytics - Big Data Al, Data Analytics - Big Data, Software Attion 61 43M BIBE COFFEE LIMITED GREE 12 Doto Analytics - Big Date Al, Dieta Analytics - Big Data, Hardware... Attion 3.92M Centour Technologies P.C. AgriTech / FoodTech Blockchain, Cleantech, Cloud Computin.... Thessaly 3.754 45

## Elevate Greece Startup Ecosystem Statistics: 350 use Al

Centour Technologies P.C.	AgriTech / FoodTech	Blackchain, Cleantech, Cloud Computin	Thersoly	20	3.7M	0
Cell OCELLIKE	Life Sciences (MedTech, HealthTech, Bia	Al, Diagnostic/Imaging, Hardware, Sens	Crete	10	3.52M	8
GREEN GUARDIAN TELEMATICS SA	Life Sciences (MedTech, HealthTech, Bia	Al, Data Analytics - Big Data, Sensors, S	Attica	30	2.9M	0
	Manufacturing	Al, Cloud Computing, Data Analytics	Attica	12	2.62M	P
ADVANTIS MEDICAL IMAGINS	Life Sciences (Med Tech, HealthTech, Bis	At Cloud Computing Diagnostic/Imagi	Attico	Sall	2.33M	o <sup>o</sup>
JADBio - Gnosis DA A.E.	Life Sciences (Med Tech, HealthTech, Bio	At Cloud Computing Data Analytics	Crets	10	2.22M	8
Selek @ Finclude	FinTech - Financial Services (WealthTech)	AL Cloud Computing, Data Analytics	Attion	12	214	0
¥ sigfox NETФOE ANGINYMH ETAIPEI	Enterprise Software	Al, ldT, Networks, Sensore	Attics		214	0

## Elevate Greece Startup Ecosystem Statistics: 350 use Al

Startup	Industry	Technology	Region	Employee count To	otal funding € • \	Website
ORGE OILX SINGLE MEMBER PRIVA	Data Analytics - Big Data	All Data Analytics - Big Data	Attico	29	1,964	0
ORFIUM - Hexocorp Greece St	Entertainment/Media (Games, Sports, S	At, Cloud Computing, Data Analytics	Attico	120	1894	P
OTigonum Tripianound	Travel / Hospitality / Leisure	At, Cloud Computing, Data Analytics	Attica	23	10706	8
Agminow IKE	AgriTech / FoodTech	At Data Analytics - Big Data, Software	Attico	(43)	1.6774	8
ROADCUSE Road/Cube	FinTech - Financial Services (WealthTech)	Al, Claud Computing, Hardware, IaT, Sa	Attico	30	1,584	8
Emples DeepMed IO Ltd	Life Sciences (MedTech, HealthTech, Bis	At, Cloud Computing, Data Analytics	Attice		1.41M	o
POCKEE IKE	Advertising & Marketing (AdTech)	Al Data Analytics - Big Data, Saftware,	Attico	(17)	1.29M	0
dci Digital Commerce Intelligence	Data Analytics + Big Data	Al, Cloud Computing, Data Analytics	North Aegean		1.2M	8
ELLENIC INSTRUMENTS	Defence Systems	3D Printing, AL AR/VR, Data Analytics	Attico	12	114M 47	P

## Increase in Global Ranking

Greece increased by 6 spots in the Global Startup Ecosystem

2021 2022 54 th 48 th

This growth was achieved after a decline of 10 spots from 2020 to 2021

Athens increased by **21 spots** in the Global Startup Ecosystem

2021 2022 153 th 113 th







#### Η Ερευνα και η Καινοτομία Σήμερα

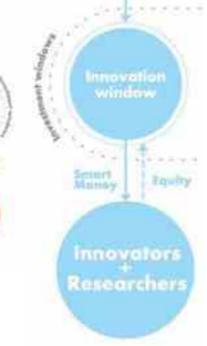
#### 2018

More than 138 companies have been supported by the initiative, attracting more than €1.13B in total financing.



The innovation window

Targets entrepreneurs with a development or researchers who believe their project will yield results.



concept or idea that warrants



Software, data analytics, machine learning, SaaS, robotics, optics, sensors, materials science, energy-tech and clean-tech.

### METAVALLON

B2B solutions and products in technology, ICT, high tech in verticals such as robotics, microelectronics, AI,, Data and machine learning, Cyber-security, energy, transportation and fintech.



ICT, e-business, robotics, maritime, supply chain, IoT, energy informatics, FinTech and InsurTech.



Tourism/travel, fintech, logistics, retail, shipping, maritime and ehealth and wellness. 49











#### 98 investments





VELOCITY (€24M to manage)

(€30M to manage)

23 investments

## 22 investments

(€32M to manage)

30 investments

- GuestFlip

· Intellistyle

LangAware

. Lerna Al

· Loctio

. Krotos

#### 23 investments

- · 2bull MeDiTherapy · Accusonus
- · Altered · Anodyne Nanotech
- · Athroa Innovations
- + Balena
- + Biomimetic . Bryg
- Dataviva
- Fieldscale · Intelligencia
- Kinems - Navenio
- + Orfium
- Orthoson - PCNano Materials
- · PD Neurotechnology
- . Phenometry · Prosperty
- . Saphetor
- . Space Talos
- · TileDB
- · Vivante Health

- - . BIOPIX-T - Citizen
    - · Covve
    - Cogitat

· Advantis

. Better Origin

. Bloemtech

- CreatorUp - Better Origin
- · Mist.io
- (formerly Entomics) · Prosperty « Ferryhopper + Purposeful

+ Racecheck

- Alicancade

929 Wave

Blaccoffee

CollegeLink

Convert Group

Beinot

. Clio Huse

\* Cyrus

- · [iZ.d] technologies + Seervision Speen
  - · Tendertec . Think Siticon · Trucksters
  - · Useberry
- · VALK · Perceptual Robotics · Wikifarmer

- . DTwise . e-satisfaction
- . EnzyQuest . Exit Bee + FluxCar
- + Foodoxys · tetate \* Milayent
- · H-hospitality Natooplasmas · Wimbota
- Navoville · PLIN Nanotechnology
- · OCall Telemon











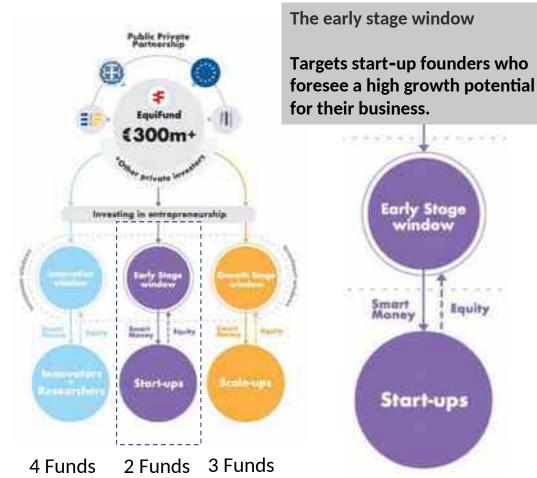






#### Η Ερευνα και η Καινοτομία Σήμερα

#### 2018





#### **Marathon VC**

Marathon VC brings together a team that combines investment, entrepreneurial, technical and operational skills in order to help the new generation of ambitious founders build world-class technology companies. The fund targets SMEs at the seed and Series A stages.

Targeted sectors include: Generalist ICT with a preference for B2B.

#### **VentureFriends 400W**

VentureFriends 400W brings together a strong and cohesive team able to provide substantial value to ICT SMEs in the seed and Series A stages.

Targeted sectors include: Marketplaces and SaaS.





#### 37 investments





22 investments

#### 15 investments

- Augmenta
- Ariadne Maps
- · Avrio
- Causaly
- Centaur Analytics
- Code BGP
- Connectly
- Cube RM
- Hack The Box
- InAccel

- Lambda Automata
- LearnWorlds
- Lenses
- Netdata
- ccel Norbloc

- marx	causaly	Quenses	austreada
0	HETDATA	CUBE PO	<b>◆</b> MAPS
norbloc	<cood∈so=< th=""><th>Getar</th><th>Sin_Inserted</th></cood∈so=<>	Getar	Sin_Inserted
A avrio	Connectly	Дантомата	

- Accusonus
- Belvo
- BibeCoffee
- · Blueground
- Byrd
- FlexCar
- Gaspardesk
- · Home Made

- Homie
- · Influ2
- Instashop
- Lyviy
- MyJobNow
- Norbloc
- Novoville
- · Plum

- RTsafe
  - Spotawheel
  - Stasher
  - · Tymit
  - Weengs
  - Welcome Pickups



HUNTT





# Startup Ecosystem Highlights

### ROUND TOTAL INVESTMENT



Source:



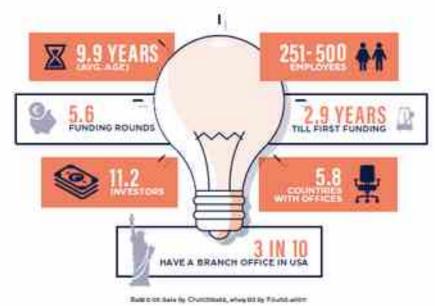
# Startup Ecosystem – Key Facts

Management of the control of the con			
Company		Total Funding (€ in millions)	
1	Viva Wallet	322.75	
2	FlexCar	296.6*	
3	Blueground	221.07	
4	Skroutz	400	
5**	Spotawheel	119.4*	
6	Persado	83.6	
7	Workable	73.83	
8	Hellas Direct	58.23	
9**	TileDB	48.1	
10	Plum	40.1	

\*Undisclosed or estimate amount, market estimations were taken into consideration for the ranking. Amounts also include debt funding that companies have secured. \*\*New entries in 2022



### PROFILE OF THE 10 MOST FUNDED STARTUPS (ALL-TIME)

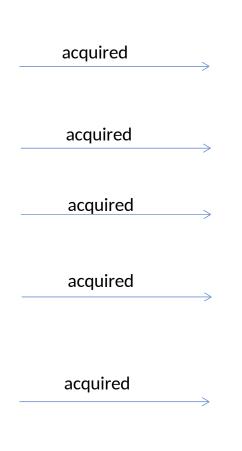


Source:

## **Greek Startup Community Exits**

**5** out of **19 exits** from the Greek startup community during 2021 – 2022









### **Greek Unicorns**

That emerged in 2022



- Neonbank
  based in Athens
- 49% of its stake was acquired by JP Morgan



- → Founded in Athens
- Leader in the
  assessment and
  certification of
  professional skills

### **Greek Soonicorns**







Blueground

Persado





LearnWorlds



**Hellas Direct** 



Flex Car



## 2017 Public Private Portnership # Equifund €300m+ " Drivete let Investing in entrapreneurable Start-upa Schools Montes Sandi: for a frage strates from ... П PR-17-7-604 100 0-

2023 **ACTIVE VENTURE CAPITAL FUNDS** 

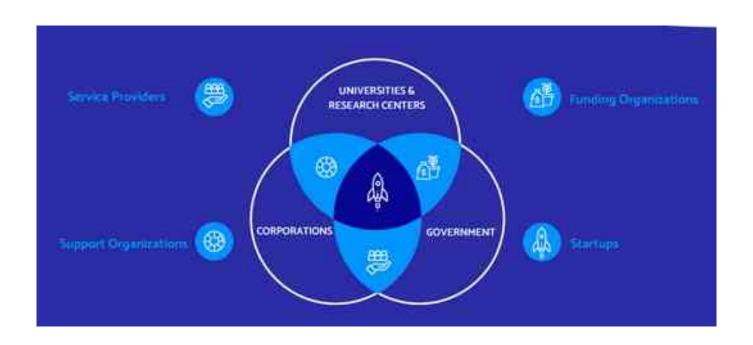
	Stre	opital Funds   Total	Investments in Greek	
Name	The second second	Investments	startups in 2022	
	Active un	ntil the end of 3	2022	
BigPi Ventures	€SÓ	23	Athrea innovations. Bryq. OrthoSon. PD Neurotechnology, Dyania Health	
Ellionos 2 5.C.A SICAR	€85	10	Select Fish, S.A.	
£OS Capital Partners	€100	6	Archelothiki S.A.	
Matavallon VC	€32	30	Better Origin. Ferryhopper, Krotos. Trucksters, Wikifarmer	
Synergia Hellenic Fund IV	€50	Undisclosed	- 28	
Uni Fund	€30	23		
Velocity Partners	€24	22	SERG Technologies. Spotawheel	
3	Active in	2022 and buy	ond	
Genosis Venturos	€20	300	ClickToTherapy, Feet Therapeutics, Finloup, Lerna Al. Prometheus, Protic, Swaplanet, Wealthyhood, Zenus, Dyania Health	
Forth Tech	€25	2	1	
Listone Capital I	€15.62			
Marathon VC II	670°	15**	Lambda Automata	
Narthern Greece Investment Fund (NGIF)	€30	*		
Phaistos 5G	€101	1	Matternet	
TECS Capital	61	3	ComeTogether, Oliveex	
Venture Friends	€100*	52**	Simpler, Spotawneel, Gaspardesk	

<sup>&</sup>quot;Referring only to the say of the current funds, not those made under the Equifund period." "Including investments from previous funds under the seme managers.



### **Innovation Ecosystem**

Discover Community of the Greek Innovation Ecosystem!





### **Innovation Ecosystem**

Discover Community of the Greek Innovation Ecosystem!

### **Ecosystem Actors**







### **Innovation Ecosystem**

Discover Community of the Greek Innovation Ecosystem!

#### **Public Sector**

Responding to the challenges of fastering regional growth and employment in a competitive global economy, many governmental structures raise new focus on the Innovation Ecosystem.

Ministry of Development and Investments

Ministry of Digital Governance Ministry of Rural Development and Food

Ministry of Engineent and Energy

Ministry Health

Ministry of Education and Religious Affairs





















APETOTEASIS HABETHERD

**HEETERACHICHS** 



THULBRANAME











A) Her





















































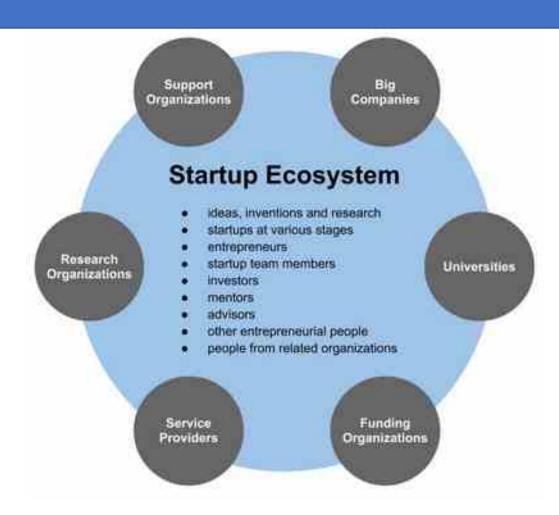






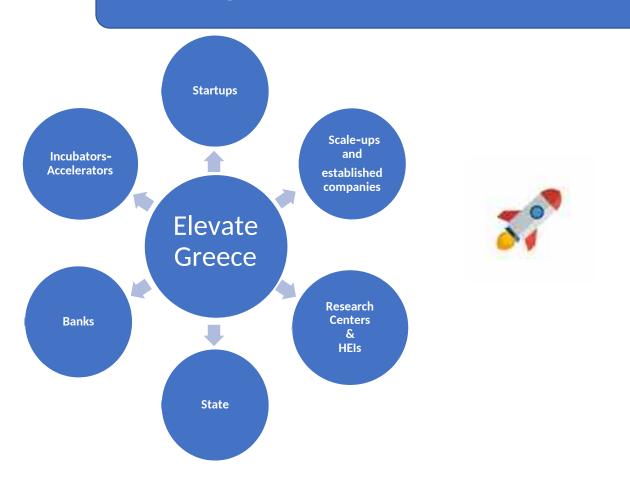


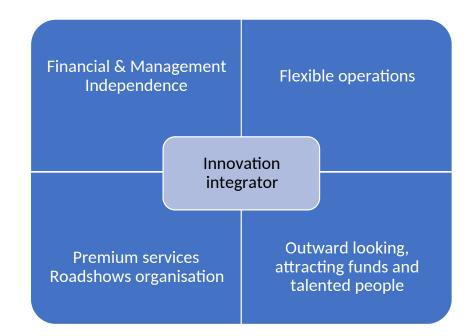
A driving force for a more inclusive and networked innovation ecosystem





### A driving force for a more inclusive and networked innovation ecosystem





### **Grants - Loans - Equity**

- Grants through:
  - Strategic Investments (Law 4864/2021)
  - Investment Incentives Law (Law 4887/2022)
  - Structural and Investment Funds (26 billion + private investments)



• Green Transition: 38%

• Social cohesion: 25%

• Impactful Private Investments:24%

• Digital Transition: 13%







Equity/Quasi Equity through Hellenic Development Bank of Investments (2+ billion €)



### **High Impact Investments**

1. Strategic Investments (Law 4864/2021): investments of strategic importance for the national and/or the local economy – 3 sub-categories

**3rd category:** High Impact Investments e.g.

- Production and Research Facilities
- Green economy investments (e.g. Hydrogen production)



Greek pharmaceuticals manufacturer ELPEN will have completed investments of 155 m. € by the end of 2025 in **production and research facilities** with a total area of 55,000 sq.m.





€ 83 million biotechnology investment plan from the joint venture of **Orgenesis** & **Theracell** 





### **ENOMENA BHMATA**

- Οργανόγραμμα Προσλήψεις (ΑΣΕΠ)
- Νέα πλατφόρμα σε 2 έτη
- Μελέτες για το οικοσύστημα
- Δράσεις εξωστρέφειας
- Ενδυνάμωση διασυνδέσεων με όλο το ελληνικό οικοσύστημα
- Διασύνδεση με άλλα οικοσυστήματα εκτός Ελλάδος



- Υψηλός οικονομικός αντίκτυπος (High impact startups)
- Προσέλκυση περισσότερων επενδυτών από εξωτερικό
- Σημαντικές επενδύσεις (deal flow)
- Υψηλότερη αποτίμηση (startup valuation)
- Περισσότερες απο-επενδύσεις (exits)
- Περισσότεροι μονόκεροι (unicorns)













# Thank you for your attention!

