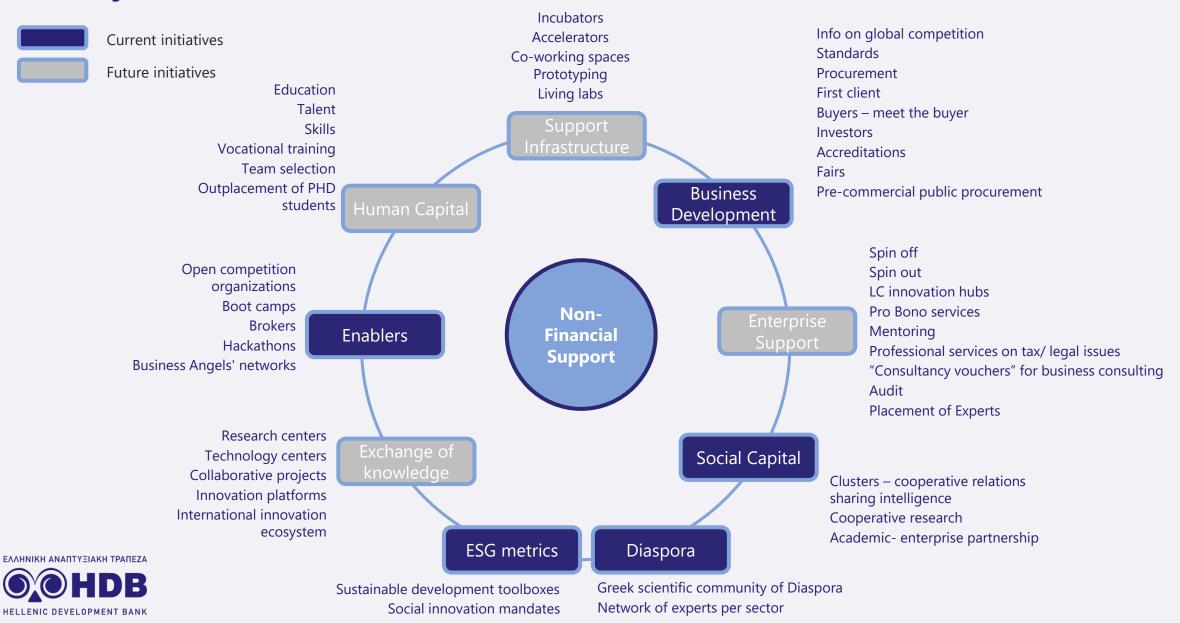


Non-Financial support is a vibrant ecosystem by itself with many satellite activities



Innovation Loan



Innovation Guarantee Fund

Loan Purpose

Strengthening the **competitiveness** and **extroversion** of Greek entrepreneurship by supporting the implementation of Research and Development for innovative ideas, products and practices (goods or services)



Beneficiaries

- Start -ups
- Small- Medium-sized enterprises (SMEs)
- Innovative enterprises

Eligibility Criteria

A broad selection i.e. OR Elevate Greece Registry OR benefited from previous Research/ innovation /technological advancement, State Aid support programs



Guarantee Rate: 80%

Loan amount : up to €400K

Max collaterals: <20% of loan value

A Hybrid tool

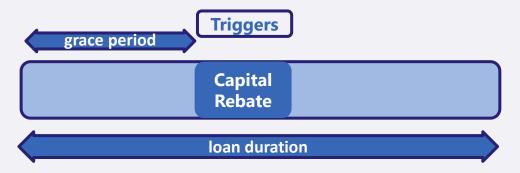
A part of the loan is converted into a **grant** –the use of the grant partly pays back the loan



Grant Rate Capital Rebate

15%+5% =**20%** triggered upon success of **INNOVATION & ESG CRITERIA**

Grant claim procedure





Loan duration: 10 years with up to 3Y grace period

State AID: De Minimis



InnoAgora



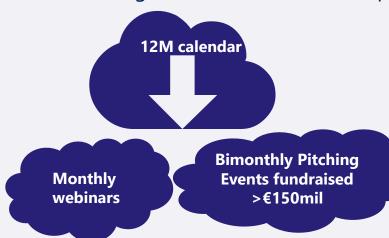
InnoAgora

InnoAgora a dynamic digital platform that provides real networking opportunities contributing to international business development

A matchmaking platform enabling <u>3</u> different groups of participants to enter into investment agreements & commercial partnerships



Creating an Online Profile for free





Businesses

Start-ups, SMEs ή Midcaps seeking new partners and investors



Investors

VC funds, Business
Angels and
corporates seeking
new investment
opportunities



Supporting mechanisms

Incubators and accelerators, Banks





InnoAgora



InnoAgora is hosted in two internationally renowned platforms:





The Chinese gateway of Shenzhen Stock Exchange

- 18.000+ enterprises
- 26.000+ investors
- 8.000+ funds

Monthly webinars

Bimonthly Pitching Events fundraised >€150mil







ESG Innovation Challenge





In quest of increasing SME Bankability



Bringing qualitative and quantitative input together, in an assessable - measurable - weighable way

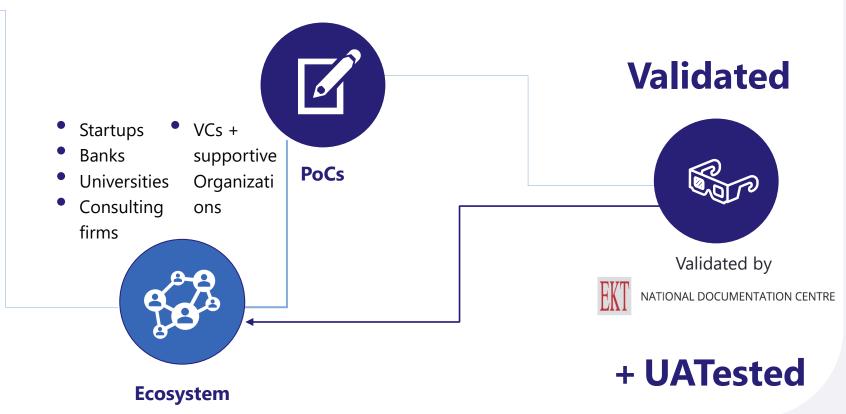
HDB's exposure to the ecosystem

Digital transformation



- Product development alternative scoring, front/back office
- Data analytics MIS, BI tools
- Digital platforms: Further educate

HDB seeks to create PoCs (**via subcontracting**) that will offer alternative scoring methodology





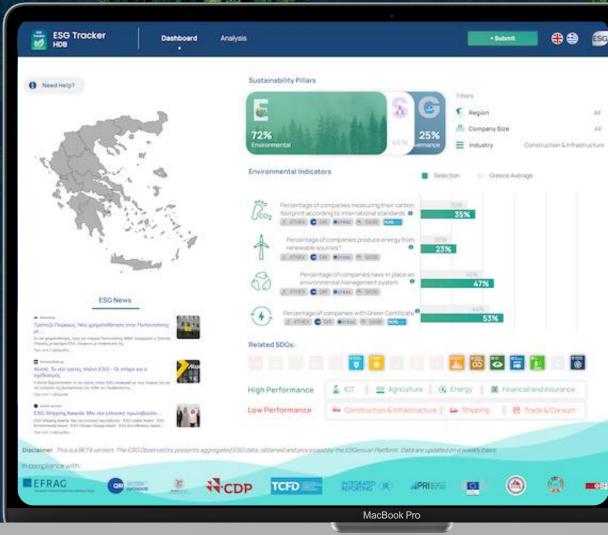


ESG scoring





The first National Observatory for Small and Medium-sized Enterprises (SMEs) by the Hellenic Development Bank (HDB)





Why ESG Tracker by HDB?



ESG Tracker by HDB Performance Report

Upon verification of your submissions to ESG Tracker by HDB, you will receive a Performance Report in PDF format reflecting your ESG performance.



Awareness-building and training

Providing information, training, and promoting awareness among employees about ESG issues and sustainable practices.



Business Process Optimization

Enhancing day -to day practices that contribute to strategic planning and yield sustainable results for the user's organization.



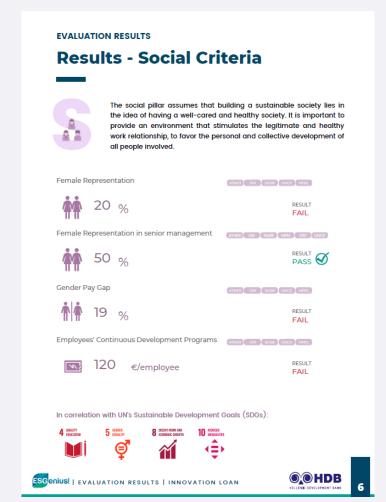
Monitoring progress

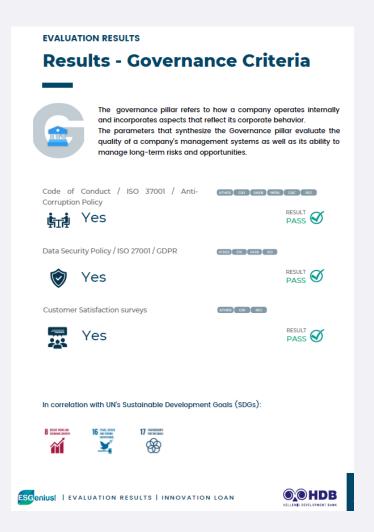
Integrating ESG criteria with financial information provides stakeholders-including customers, investors, financial institutions, credit rating agencies and social institutions-with a comprehensive view of the company, enhancing its effectiveness.



Automated evaluation based on ESG criteria

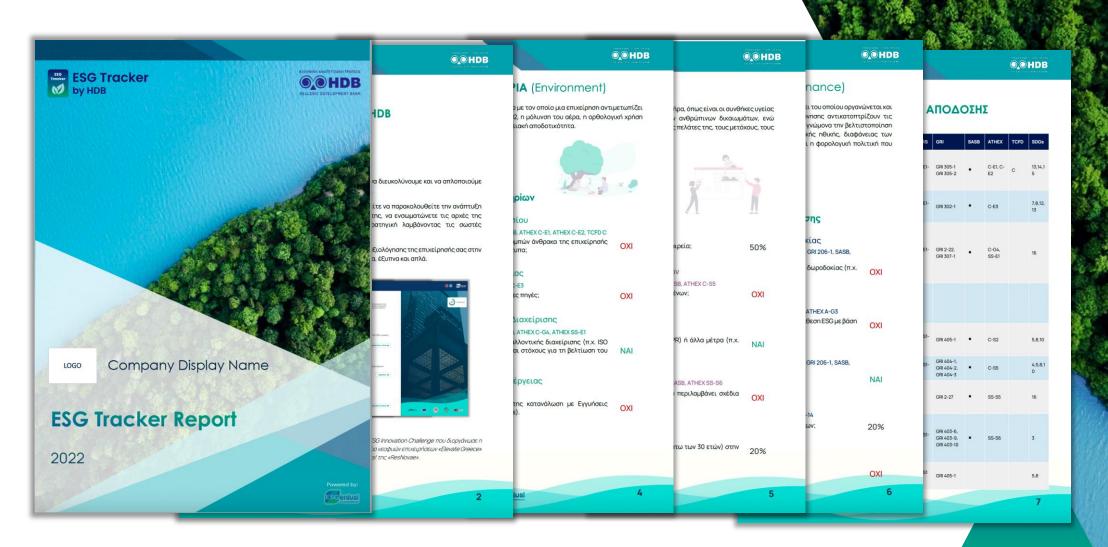








ESG Tracker by HDB-Report







Innovation scoring



A Data-Driven Decision Support System to Automate Innovation Scoring Process in the Financial Sector



Why?



Market Gap

- Financial institutions base Credit Scoring mostly on historical Company data
- Innovative startups/Early Scale ups with <u>no</u> history and <u>no</u> positive EBITDA <u>cannot</u> access funding



How to close it?

- Provide a <u>supplementary</u> Scorecard
- Add Scorecard to <u>existing</u> Credit Scoring Methodology
- Incorporate forward-looking KPIs based <u>not only</u> on pure financial data/indicators



The goal

- Remodel qualitative data into quantifiable metrics
- <u>Create</u> appraisal algorithms for innovative business plans that bear good chances of scalability and success

A forward looking scoring also linked to the risk aversion algorithms used by Financial Institutions





Objective

Improve **Access** to Funding (SMEs, Startups) & Increase **Bankability**





Provide **Complete** Innovation Scoring **tool** (Banks, Funds, VCs, Evaluation Platforms, Registries)

Introduce New,
Alternative/
Supplementary
Process (Credit &
Investment Evaluation)

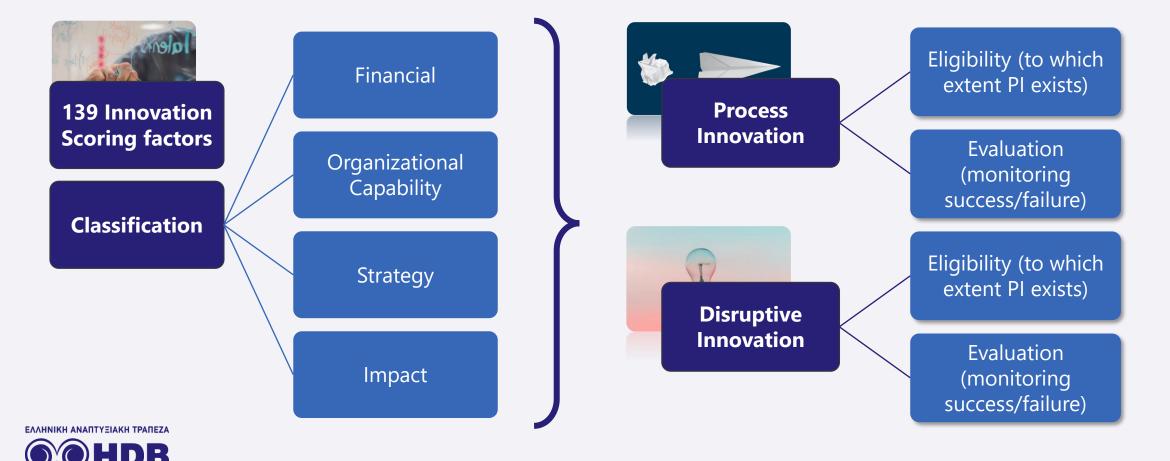




Provide **Data Exchange** with External Sources, **Analyze** & **Add Value** to Existing Company Data



Innovation Scoring Factors & Models



Innovation scoring models – factors/weights - example

Factor	Weight Factor Type	Source	Metric Mair	Metric Sub-Cate	g Calculation method	0		1	2	3	4	5	6	7	8	9 10
Revenue generated by innovations/Total Revenue	9 evaluation	Financial Statements	Financial	Revenue	Innovative Products Revenue/Revenue	0%	1-10%	11-20%	21-30%	31-40%	41-50%	51-60%	61-70%	71-80%	81-90%	91-100%
New-products-to-margin (NPM) conversion	8 evaluation	Financial Statements	Financial	Revenue	[Gross Margin of Innovative Products/Gross Sales]/[C	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
R&D-to-product (RDP) conversion	8 evaluation	Financial Statements	Financial	Revenue	[Gross Sales of Innovative Products/Gross Sales]/[R&	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Gross margin of product innovation / Gross margin of standard portfolio	7 evaluation	Financial Statements	Financial	Revenue	Gross Margin of Innovative Products/Gross Margin	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50% or more
Estimated sales value of product innovation / sales value of standard portfolio	7 eligibility	Business Plan + Financial St	ta Financial	Revenue	Forecast of Innovative Product Gross Sales/Gross Sal	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50% or more
Percentage of revenue from products or services introduced in the past 3 years	8 eligibility	Manual Input + Financial St	ta Financial	Revenue	New Product Revenue/Revenue (3 Years Base)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Change in sales revenue from the previous year	7 eligibility	Financial Statements	Financial	Revenue	X year Revenue - X-1 year Revenue/X year Revenue 0%	or less	1-3%	4-6%	7-9%	10-12%	13-15%	16-18%	19-21%	22-24%	25-27%	28-30%
R&D investment as a share of total investments of the firm	6 eligibility	Financial Statements	Financial	Return on Investr	r R&D Investements/Investments (Previous Year)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Share of research budget from total company budget	6 eligibility	Manual Input	Financial	Expenditure	R&D Budget/Budget (Current Year)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Percentage spent on R&I of total operating costs in the previous year	6 eligibility	Financial Statements	Financial	Expenditure	R&I Expenses/OPEX (Previous Year)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Percentage spent on R&I out of the loan amount since the first loan withdrawal	5 evaluation	Financial Statements	Financial	Expenditure	R&I OPEX/Loan Amount (Previous Year)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Percentage of staff with higher education diploma or above	7 eligibility	Manual Input	Organization	Team	Higher Education Staff/Staff (Current Year)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Percentage of employees who have received training and tools for Innovation	7 eligibility	Manual Input	Organization	Team	Trained on Innovation Staff/Staff (Current Year)	0%	1-10%	11-20%	21-30%	31-40%	41-50%	51-60%	61-70%	71-80%	81-90%	91-100%
R&D personnel ratio	5 eligibility	Manual Input	Organization	Team	R&D Staff/Staff (Current Year)	0%	1-2%	3-4%	5-6%	7-8%	9-10%	11-12%	13-14%	15-16%	17-18%	19-20% or more
Number of awards, publications on Innovation	7 eligibility/ev	Manual Input	Organization	Technical ability	Number (Previous Year)	0			1		2		3		4	5 or more
Project feasibility expressed by Technology Readiness Level	8 eligibility	Manual Input	Organization	Technical ability	Number N/A	A		0	1	2	3	4	5	6	7	8 9
Number of introduced new product/process/marketing/organizational innovations	6 eligibility	Manual Input	Organization	Technical ability	Number (Previous Year)	0	1 to 2	3 to 4	5 to 6	7 to 8	9 to 10	11 to 12	13 to 14	15 to 16	17 to 18	19-20 or more
Percentage of "outside" vs. "inside" inputs to the innovation process (open innovation %)	6 eligibility	Manual Input	Organization	Tools and Process	s %	0%	1-10%	11-20%	21-30%	31-40%	41-50%	51-60%	61-70%	71-80%	81-90%	91-100%
Percentage of ideas generated in collaboration with customers	5 eligibility	Manual Input	Strategy	Opportunities	%	0%	1-10%	11-20%	21-30%	31-40%	41-50%	51-60%	61-70%	71-80%	81-90%	91-100%
Word of mouth referrals e.g. social media presence, influence	5 eligibility	Manual Input	Impact	Market	%	0%	0,1-0,2%	0,3-0,4%	0,5-0,6%	0,7-0,8%	0,9-1%	1,1-1,2%	1,3-1,4%	1,5-1,6%	1,7-1,8%	1,9-2% or more
Referral rates e.g. pre-ordering, market testing	5 eligibility	Manual Input	Impact	Market	%	0%	0,1-0,2%	0,3-0,4%	0,5-0,6%	0,7-0,8%	0,9-1%	1,1-1,2%	1,3-1,4%	1,5-1,6%	1,7-1,8%	1,9-2% or more
Have been designated in the past 3 years as an innovative company (e.g. award, prize) by an EU/national/regional institution	o 8 eligibility	Manual Input	Strategy	Awareness	True/False	FALSE										TRUE
Have received in the past 3 years innovation support/funding from European or national/regional schemes	8 eligibility	Manual Input	Strategy	Financing	True/False	FALSE										TRUE
The organization has received funding from accelerators/investors/business angels/VCs during the last 3 years	8 eligibility	Manual Input	Strategy	Financing	True/False	FALSE										TRUE
Will use the financing to enter a new product or geographical market	5 eligibility	Business Plan	Impact	Sustainability	True/False	FALSE										TRUE
Will use the financing to develop innovative products/processes/services	6 eligibility	Business Plan	Impact	Sustainability	True/False	FALSE										TRUE
Number of canceled innovation projects / total number of innovation projects	6 eligibility	Manual Input	Impact	Market	Number of canceled innovation projects / Number of 91-	-100%	81-90%	71-80%	61-70%	51-60%	41-50%	31-40%	21-30%	11-20%	1-10%	0%
Intangible assets (registered trademarks, patents, industrial designs, etc.) percentage on Net assets	6 eligibility	Financial Statements	Financial	Technical ability	Intangible Assets/Total Assets (Previous year)	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%
Royalty and licensing income from patents/intellectual property rights compared to total income	6 eligibility	Financial Statements	Financial	Revenue	Royalty and licensing Income/Revenue (Previous Year	0%	1-5%	6-10%	11-15%	16-20%	21-25%	26-30%	31-35%	36-40%	41-45%	46-50%





10 / page

Aggregation data

6.49

6.11

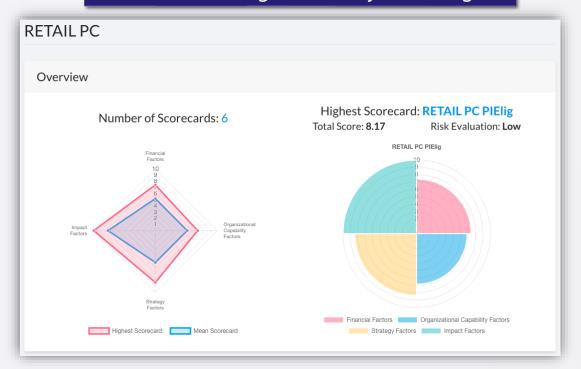
8.11

9.84

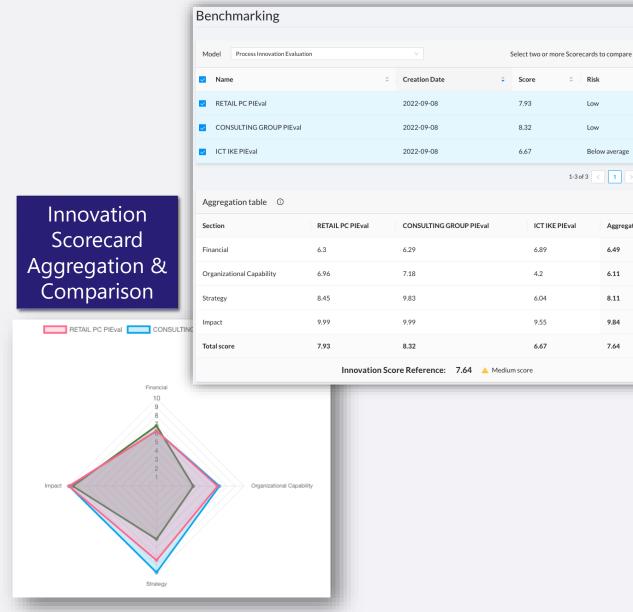
7.64

Screenshots

Innovation Scoring Data Analysis & Insights









Data Insights and Added Value



Identify which Innovation Scorecard **factors** should be **increased**, to **improve** a Company's Innovation Score



Identify the <u>risk</u> **level** of investing into a Company, based on a company's innovation Scorecard



Identify which of the provided Company Data is **required** and most important to **predict** Innovation Score at an early stage





Z-Score + Innovation Score

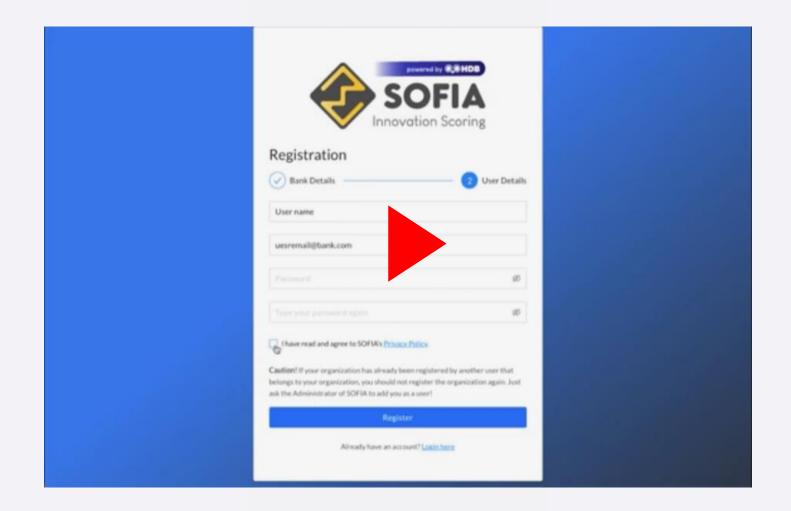
Calculate Z-Score and Innovation Score Combination (ZIN)







SOFIA Short Demo Video







Validated



Presented



Under Testing





Future activities



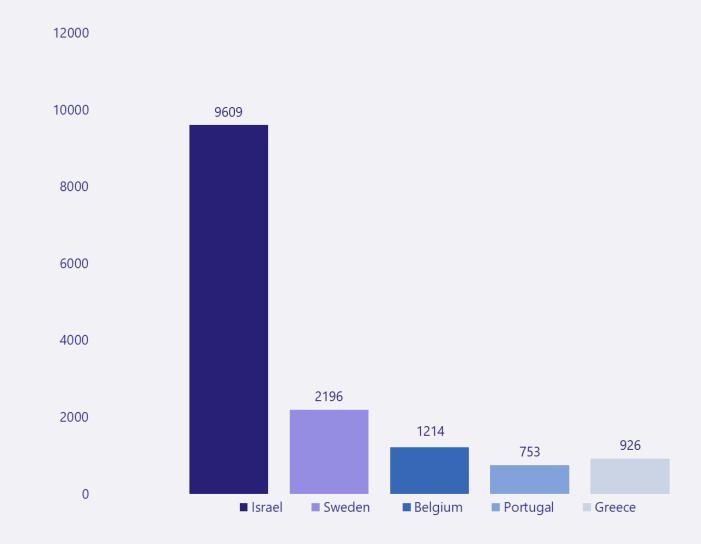




Market Gap

- In 2021, approximately 926 patent applications were filed by Greek residents.
- The number of patent applications from Greek residents is relatively small in relation to the population of the country.
- <u>International applications</u> is something that does not present significant growth within the last years.

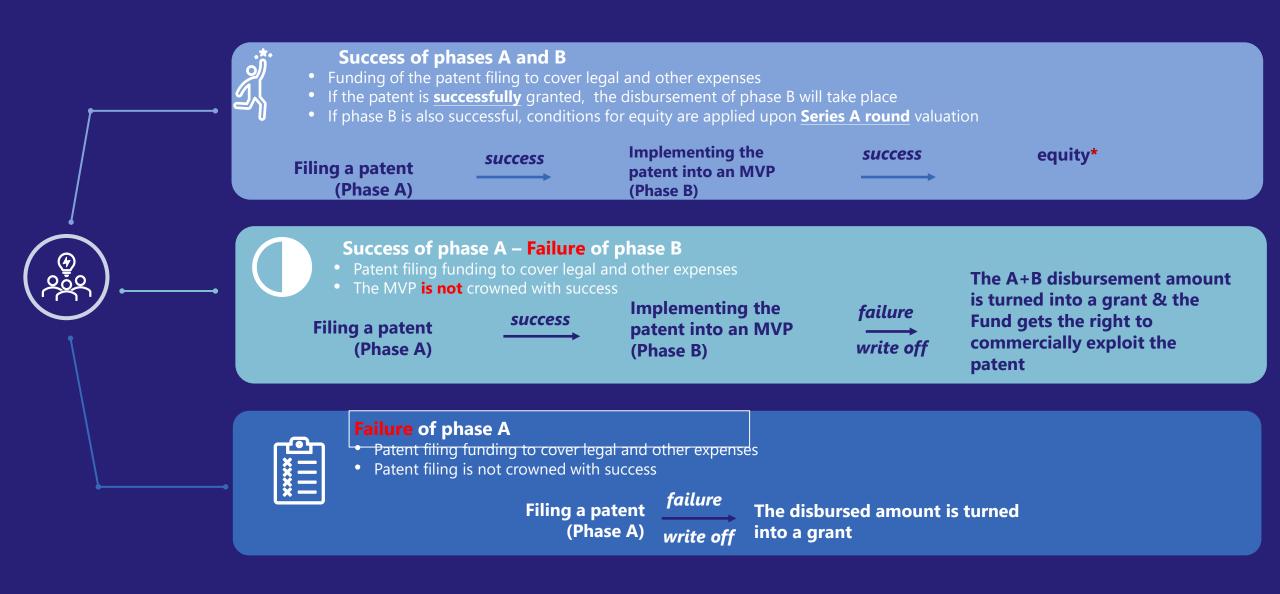
Number of patents filed in 2021 - WIPO





Source: <u>www.wipo.int</u>

Funding Scenarios



*equity: participation not as lead investor – 20-30% discount and with the right to follow-up in any subsequent investment round

