

SOCIO-ECONOMIC IMPACT OF SOUTH SUMMIT IN MADRID

April 2024





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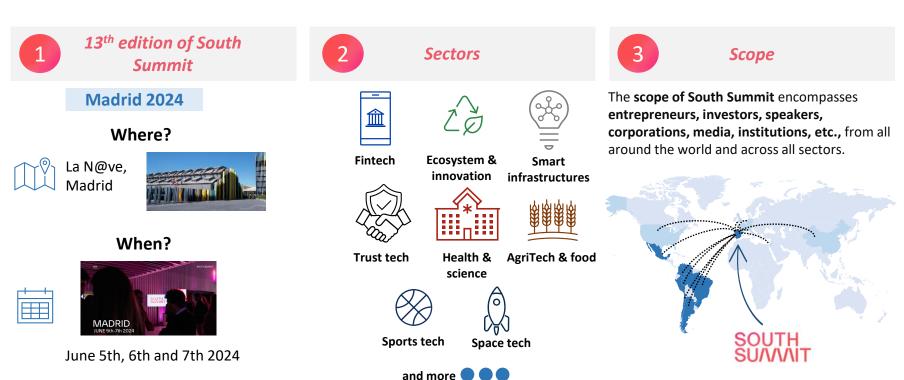


South Summit is a global platform that facilitates the connection of startups, investors, corporations and public institutions from all around the world and across diverse sectors

South Summit has

established itself as a driving platform for the innovative ecosystem, fostering corporate cultural change for over a decade, attracting talent, generating high-value connections, and contributing to global economic transformation, particularly in Spain and Madrid





HUMAN BY DESIGN: In the beginning of a new technological era where the boundaries between humans and machines blur, South Summit emphasizes the human factor through creativity, connection, emotions, and adaptability to change.

Given its relevance to the entrepreneurial ecosystem and society, this report conducts an analysis of the evolution of this ecosystem over the past year and the socioeconomic impact of South Summit in 2024



1 ANALYSE THE EVOLUTION OF THE ENTREPRENEURIAL ECOSYSTEM IN SPAIN

Evolution of the global environment and the national context regarding investment volume and the value of the entrepreneurial ecosystem.

- 2 CALCULATE THE CONTRIBUTION OF SOUTH SUMMIT
 - Estimating the **production (economic activity) and employment** generated by the South Summit event in Madrid in 2024.
 - Effect on media coverage and media impact of the events in Madrid and Brazil.
 - Analysis of the cumulative investment raised and the impact of the finalist startups on the entrepreneurial ecosystem in 2023.
 - Strengthening of growth and internationalization through South Summit Brazil.



Main sources of information

- Dealroom, as a provider of data and information related to the entrepreneurial ecosystem
- Entrepreneurship Map 2023 by South Summit, developed in collaboration with IE University, analyses the relevance of the Spanish entrepreneurial ecosystem
- Observatory of the Startup Ecosystem in Spain by "Fundación Innovación Bankinter", covering the latest investment trends in Spain in 2023
- Startup Radar madri+d, featuring the latest reports on the Madrid startup ecosystem and investment
- Statistical Institute of the Community of Madrid, with data on expenditures by national and international visitors

Methodology: Input-Output Model

The estimation of the impact on **economic activity** and **employment** in Madrid due to the **celebration of South Summit** is calculated using the **input-output model**, a widely used technique for quantifying economic impacts¹.

Similarly this methodology has been used to estimate the **contribution** to the **entrepreneurial ecosystem** of the **Spanish finalist startups** of South Summit in 2023.





The high interest rates, current geopolitical situation, and banking vulnerabilities largely explain the contraction in the global investment volume in startups in 2023



Macroeconomic factors that have affected the investment volume in startups in 2023



High interest rates

High interest rates that increase the costs of financing. Both the Federal Reserve of the United States and the European Central Bank raised their interest rates to 5.25% and 4.5%, respectively, levels not seen since the 1990s.

This affects significantly to operations of over 100 million euros (mega rounds), where costs are notably increased.



Geopolitical situation

The current geopolitical conflicts have created significant **instability in global economies.**

Political uncertainty and tensions between different nations have caused **investors** to adopt **more cautious and conservative** attitudes in their investment decisions.

This has led to a sharp contraction in investments, especially notable in Latin America and Africa.

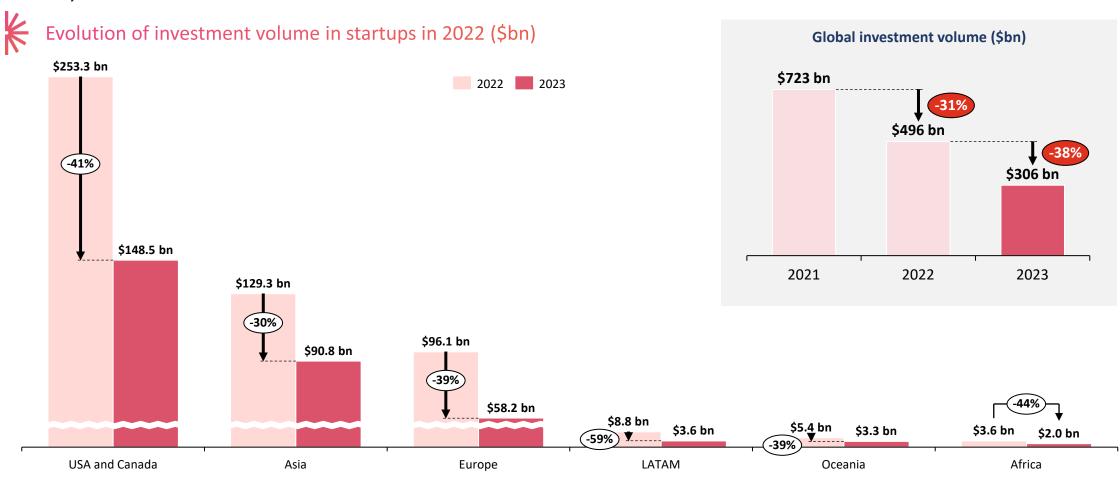


Banking vulnerabilities and preferences for lower-risk assets

Following the collapse of Silicon Valley Bank, the banking sector in the United States faced a chain crisis in 2023, characterized by **liquidity issues** and **lack of confidence** in financial markets.

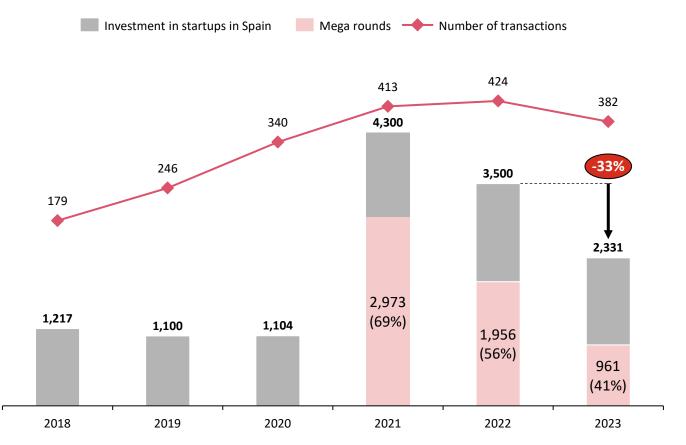
This uncertainty and instability significantly impacted startups in the United States, as many of them had their funds deposited in this bank. As a result, numerous startups and investors experienced liquidity issues, leading to a migration of funds towards assets that offered greater stability in international financial markets.

After a record year in 2021, the geopolitical and economic context have derived in a decline in global startup investment volume in 2022. This contraction continued in 2023, with a reduction of 38%



In this context of global investment slowdown, Spain has reduced its investment volume by 33% in 2023, 5 percentage points less than the global average

Evolution of investment volume in Spanish startups (€M) and number of transactions



Key points of 2023 33% decrease in investment volume compared to 2022 Also, the number of transactions has decreased by 11% compared to the previous year Much of this contraction is due to the lower number of mega rounds, which decreased by 51% in 2023 compared to the previous year Foreign investor participation has decreased by 38%, while the investment volume from domestic investors has increased by 31%



Nevertheless, the value of the entrepreneurial ecosystem, which is the result of the sum of all startup valuations, has maintained a positive trajectory due to economic resilience, ecosystem size and technological advancements



Macroeconomic factors contributing to the growth of the ecosystem value in 2023



Expectations of interest rate reduction

Strong **resilience** of the global economy in high-interest environments, with positive consumption, GDP, and employment data throughout 2023 for most regions.

This fact generated **expectations of interest rate cuts** in the short and medium
term, encouraging economic forecasts and
a **revaluation of financial markets**.



Size of the ecosystem and unicorns

Significant increase in the **number of startups** in the last year.

Rise in the **value of unicorns** technological startups that reach a valuation of \$1,000 million - in the main ecosystems of the world.

These **unicorn** companies generate employment, a focus of attracting talent and continue to attract investment within the entrepreneurial ecosystem.



Knowledge and innovation

Technological advances evolved at a very high pace in 2023, where the relevance and influence of OpenAI in the development of new artificial intelligence and data use systems is especially notable. These technological advances have also been reflected in the number of patents, which increased significantly in the last year.

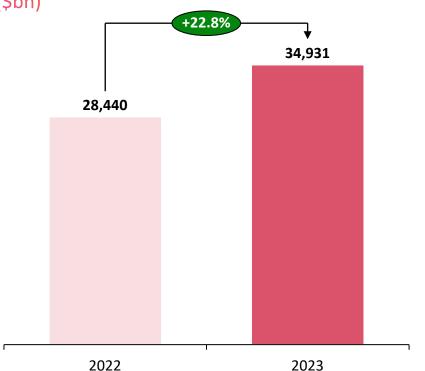
The attraction of qualified talent is decisive for the development of the entrepreneurial ecosystem, where accelerators and incubators present *hubs* that concentrate increasingly more specialized talent.



Thus, and despite the drop in the investments volume, the value of the global entrepreneurial ecosystem has increased. Spain, specifically, almost by 5%

In general terms, there has been a **general increase of 23%** in the value of the **global entrepreneurial ecosystem** compared to the previous year. At the European level there are very positive advances, reflecting the greater value of European startups



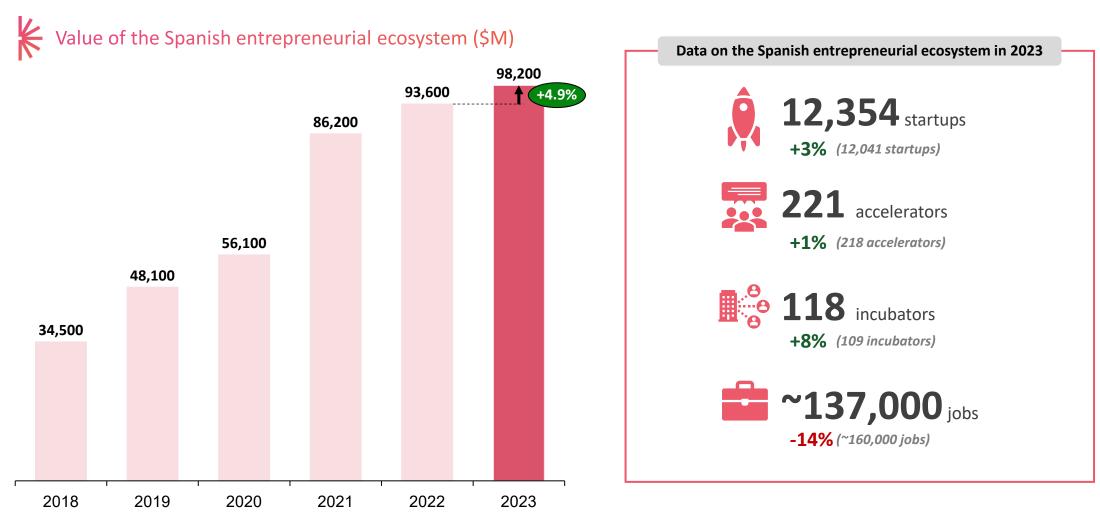


Value of the entrepreneurial ecosystem in some of the main European countries (\$bn)





In 2023, Spain presents a consolidated ecosystem, exceeding an entrepreneurial ecosystem value of \$98,000 M





In addition, the implementation of the 'Startup Law' at the end of 2022 has contributed to the promotion of economic and entrepreneurial activity in Spain



At the end of 2022, the Law to Promote the Ecosystem of emerging companies, known as the 'Startup Law', was approved, with significant legal and fiscal innovations that aim to boost economic and entrepreneurial activity. Furthermore, it serves as a catalyst for qualified talent by offering a series of support tools to the entrepreneurial ecosystem in Spain and all its actors. A defining startup framework is also established, determining which companies can access these benefits.



What is a startup?

A clear definition of a startup company is established:

- <5 years old and an annual turnover <10 million euros
- Innovative with a scalable model
- It does not come from a merger or division
- Head office in Spain with >60% of employees with employment contracts in Spain
- Does not distribute dividends



Fiscal benefits

Establishment of adapted taxation:

- Reduced tax rate (15%) for up to four years
- Creation of the National Entrepreneurship Office to provide information about entrepreneurship



Talent boost

Hub for attracting qualified talent:

- Increased tax exemptions
- Offering visas for digital nomads, allowing taxation through the Non-Resident Income Tax instead of the Personal Income Tax, valid for one year



Investment attraction

Incentive for economic activity:

- Greater administrative ease
- Increased percentage of deduction
- Favourable treatment of 'carried interest' to attract venture capital entities
- Incentives to promote investment in early stages



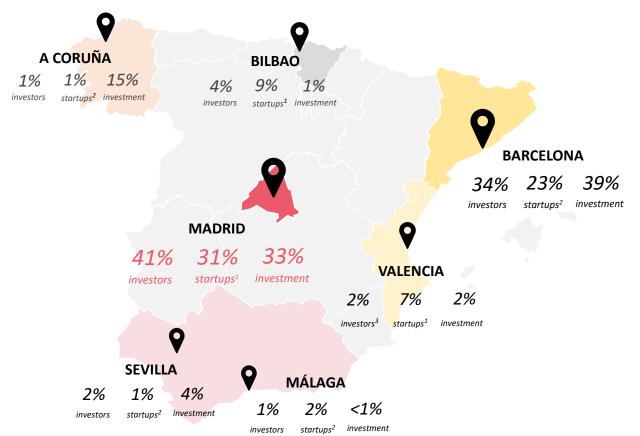
Promotion of controlled testing spaces or 'sandbox' to test technological innovations prior to implementation



On a national level, Madrid and Barcelona remain as the main entrepreneurial ecosystems



National map of the main entrepreneurial ecosystems in 2023 (% of the national total)



Spain



The entrepreneurial ecosystem has experienced a slight slowdown in the past year, although it continues to show positive advancements. Within Spain, Madrid and Barcelona remain the primary and most notable entrepreneurial ecosystems. Additionally, other ecosystems such as Bilbao, Málaga, and Valencia are gaining relevance.

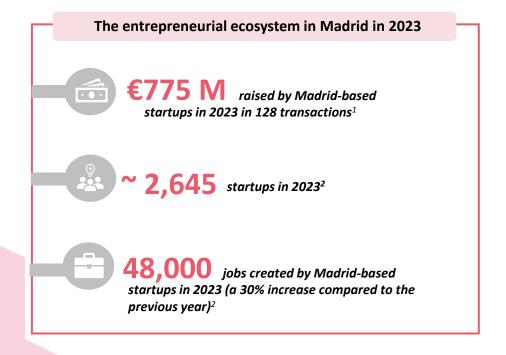
It is worth highlighting the innovative ecosystem of A Coruña, which saw a significant transaction in 2023 involving the company **Denodo** valued at € 336 M.

Sources: PwC analysis based on startup data from Dealroom (Data extracted on April 9, 2024) and investor and investment data from 'Fundación Innovación Bankinter' (Investment Trends Report in Spain in 2023).

Note: (1) Regional data used to calculate % of startups for Madrid, Valencia, and Bilbao. (2) For A Coruña, Barcelona, Málaga, and Seville, metropolitan areas were considered. (3) Includes total investors in the cities of Alicante, Castellón, Elche, and Valencia.



Madrid recorded a total investment of nearly €775 M in 2023, maintaining its position as one of the leading *hubs* in Europe



Key highlights of Madrid's innovative ecosystem



1st national position as a hub for venture capital funds and **5th** position in Europe for investment attraction³



3rd European position in the number of startup accelerators in 2024²



4th European position in the number of pre-seed opportunities, concentrating a wide variety of investment opportunities⁴



5th European position in the total number of technology companies founded in the last 10 years⁵



5th European position in developer availability and talent in 2023⁶



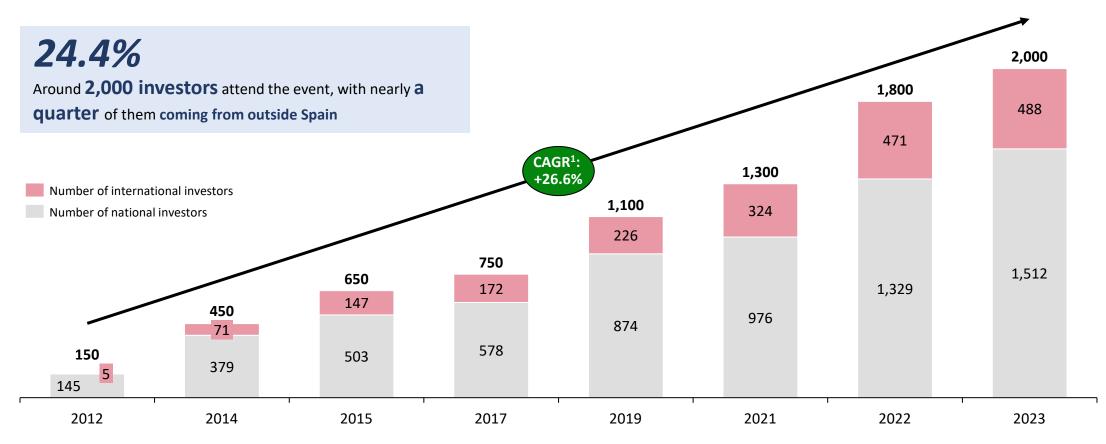
SOUTH SU/V/VIT

South Summit has established itself as a leading event nationally and internationally...

2012-2013	Spain Startup – Driving innovation and entrepreneurship	70 investors 185 entrepreneurs
2014-2015	Let's Prove to the world how bright the South is!	450 investors 3,500 entrepreneurs \$31,500 M investment portfolio
2016-2017	Development of South Summit: Landing at L@ N@ve!	650 investors 4,600 entrepreneurs \$35,700 M investment portfolio
2018-2019	Consolidation in Madrid and expansion in Spain and LATAM	1,100 investors 6,500 entrepreneurs \$126,000 M investment portfolio
2020	Resilience in the face of COVID-19: Investment in reinvention	Strong online presence and several thematic gatherings \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
2021	Shape the Future and Green Economy	1,600 investors 8,000 entrepreneurs \$141,700 M investment portfolio
2022	Decoding Complexity	1,848 investors 6,160 entrepreneurs \$250,000 M investment portfolio
2023	TODAY 2030	2,000 investors 6,500 entrepreneurs \$326,000 M investment portfolio
2024	HUMAN BY DESIGN	MADRID JUNE 5th-7th, 2024

...creating high-value relationships over its more than twelve years of history





In this 13th edition, South Summit will delve into different areas of the future of technology and business, positioning human beings at the centre of all decisions...

HUWAN by Design

Under the motto **HUMAN BY DESIGN**, the role of **innovation** as a **tool to improve people's lives is emphasized**

OUTSTANDING LEADERS CONNECTION SEMOTION



RANDOLPH
Netflix Co-Founder,
Bestselling Author,
Entrepreneur,
Mentor, and
Investor



BARTLETT
Entrepreneur,
speaker, investor,
bestselling author
and the host of
Europe's No.1
podcast 'The diary of

a CEO'



LEVINE
Co-Founder of
Waze, Author of 'Fall
in Love with the
Problem, Not the
Solution'"

URINE



JEFF HOFFMAN Chairman at Global Entrepreneurship Network



...with meetings, talks, and conferences covering a multitude of sectors and diverse topics



Topics covered in the 13th edition of South Summit in Madrid



TRUST TECH

Privacy | Transparency | Ethics



FINTECH

Financial Inclusion | Future of Banking | DeFi



CLIMATE TECH

Energy Transition | Ecosystem
Regeneration | Circular Economy



DIGITAL CULTURE

Entertainment | Digital Communities | Education



SPORTS TECH

Digitalization | Future of Sports | Leadership



SMART INFRASTRUCTURES

Industry 5.0 | Mobility | Connectivity



HEALTH & SCIENCE

Med Tech Solutions | Mental Health | Future of Health



AGRITECH & FOOD

Food Value Chain | Agritech Solutions | Future of Food



INNOVATION & ECOSYSTEM

Redefining Success | Ecosystem Collaboration | Talent Economy



GROWTH

Investment | Scaling up



SPACE TECH

Future of Space Sector | Revolutionary Spacetech | Leadership through Spacetech In this context, the South Summit event contributes through the following axes...

Economy and employment

...generating
economic activity
and employment in
Madrid through the
organization and
hosting of the
event...

Image and reputation

...improving the image and reputation of the country, thanks to both the event in Madrid and the one held in Brazil.

Entrepreneurial ecosystem

...contributing to economic activity and employment through the investment raised by the finalist startups.

Strengthening of growth

...and its
international
position as a talent
attraction hub
thanks to the
success of the third
edition of South
Summit Brazil.



South Summit's organization and celebration generates a positive impact on the economy and employment in the city of Madrid





Socio-economic impact of South Summit 2024







Impacts generated by the organization of the event

This type of event generates **economic activity**, thanks to the **expenses and investments** made during the organisation of the event.

These impacts have been calculated based on the information on expenses and investments made by South Summit.



Drivers of economic impact





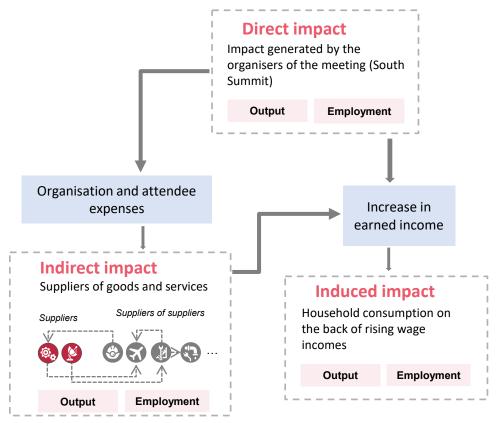


The expenses incurred by attendees represent an additional increase in the economic activity of the city during the days of the meeting.

For the purposes of calculating these impacts, we have used the total number of attendees broken down by their origin.

These impacts include not only those generated directly, but also indirect and induced

Types of socio-economic impacts on Madrid of South Summit in 2024



Types of impact **Direct impact** Corresponds to the impact generated by South Summit as organiser of the event. **Indirect impact** Increase economic activity (production) and employment, generated by the expenses and the investments made by the event organisers and attendees. **Induced impact** Increased economic activity (output) and employment, generated through household consumption, resulting from higher wage incomes as a consequence of direct and indirect impacts.

25

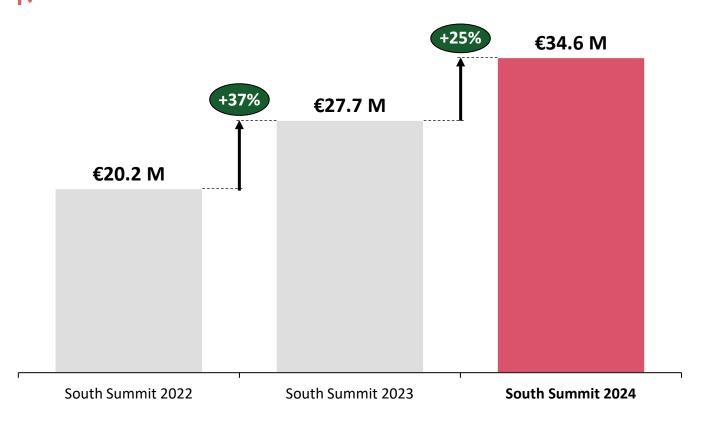
The South Summit 2024 event will generate an estimated economic activity of almost €35 M

Elmpact on output in Madrid in South Summit 2024 (€M)



Despite the global investment slowdown, South Summit continues to increase its contribution with an economic impact 25% higher than in the previous 2023 edition





The economic impact of South Summit 2024 is equivalent to...

of the expenditure on **cultural** activities budgeted by the Madrid City Council for 2023¹

of the **health** expenditure budgeted by the Madrid City Council for 20232

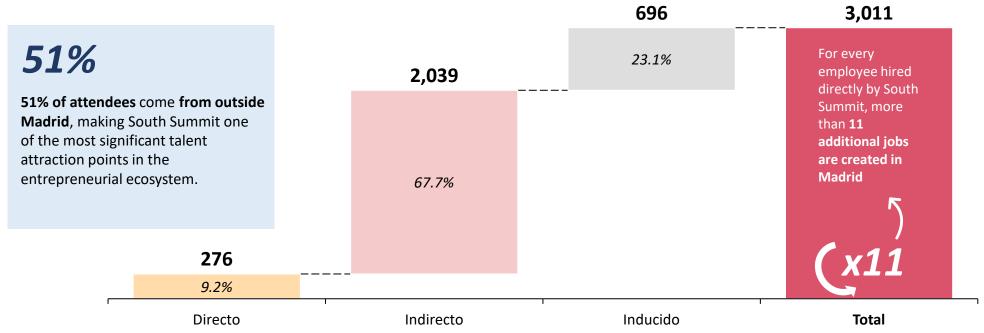
of education expenditure budgeted by the Madrid City Council for 20233

Sources: PwC analysis based on South Summit, National Statistical Institute and Statistical Institute of the Community of Madrid. Note: (1) Item corresponding to the "Cultural activities" section of the Madrid City Council's 2023 budget.

In terms of employment, South Summit is positioned as an international attraction hub, with over half of the total employment created due to South Summit's international and global character



Employment impact in Madrid from South Summit in 2024 (equivalent monthly-duration jobs)



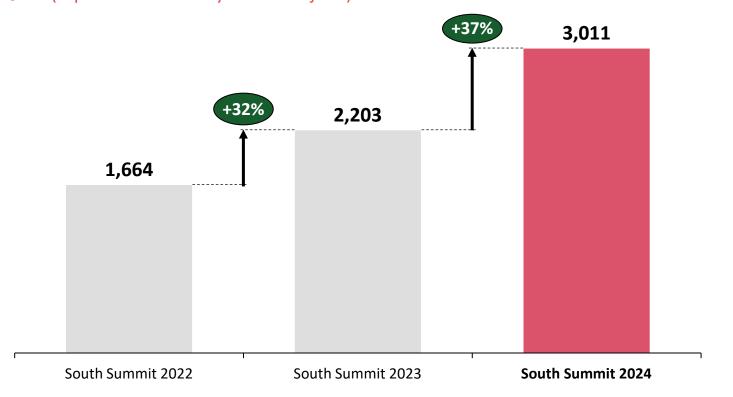
55%

55% of the jobs created are generated by the arrival of **attendees from outside Madrid**, reinforcing the **international and global nature of this gathering**

In addition to the global nature of the event, this year's total contribution to employment continues to grow compared to past editions, with a 37% increase over 2023



Comparison of South Summit's employment impact in Madrid in 2024 (equivalent monthly-duration jobs)

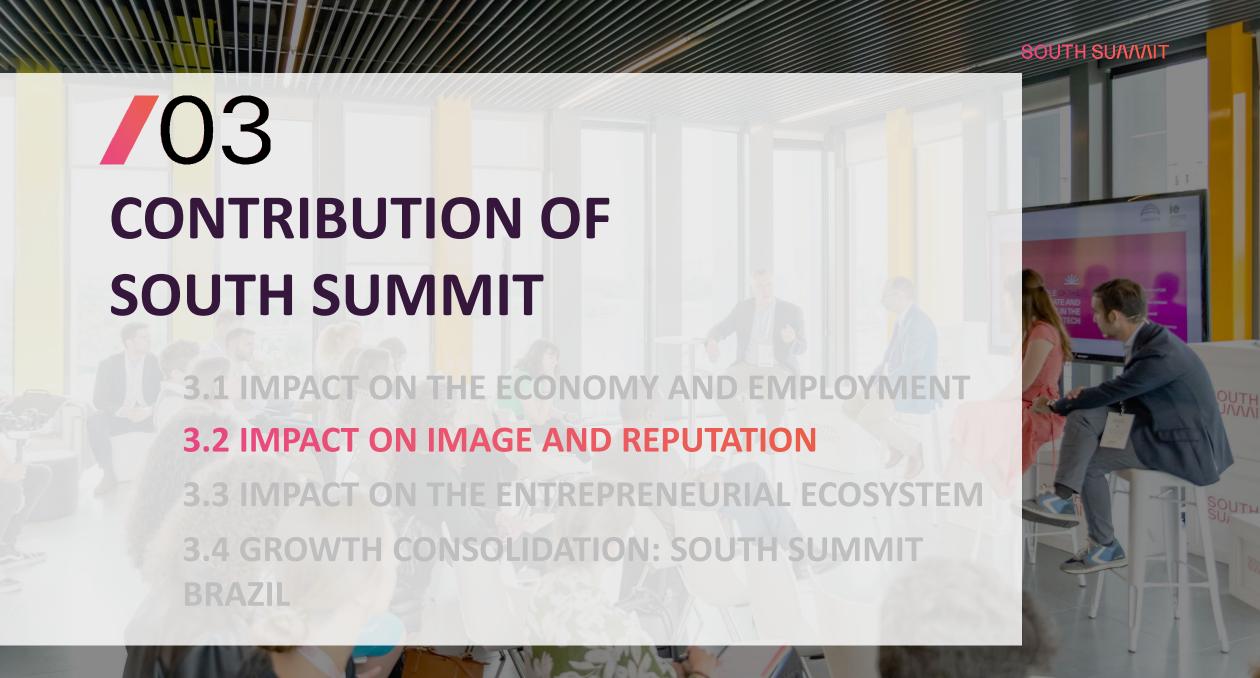


405 jobs

For **every million euros** of spending and investment made by South Summit, around **405 equivalent monthly-duration jobs** will be created directly, indirectly and induced

396 jobs

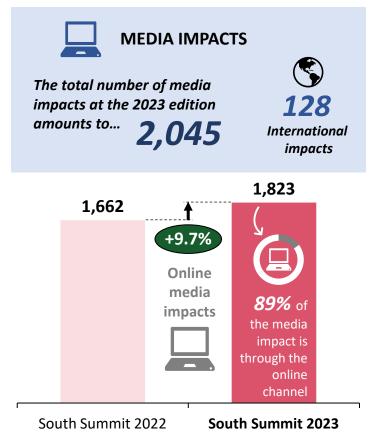
For every million euros of spending made by attendees, around 396 equivalent monthly-duration jobs will be created directly, indirectly and induced.

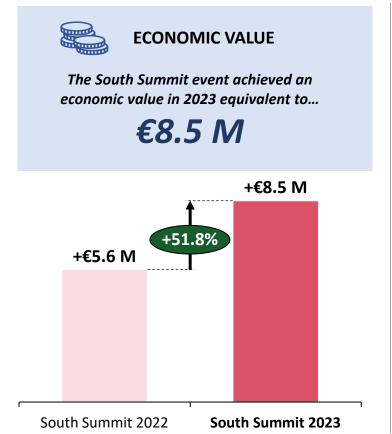


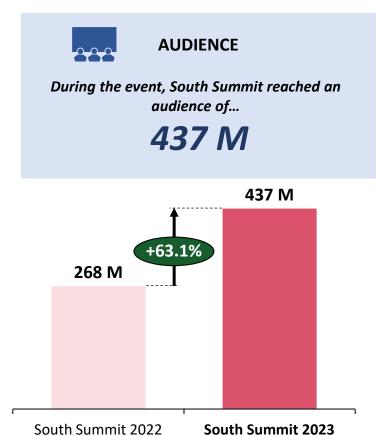
The event has a significant media impact, which boosts the city's image and reputation, and helps position it as a benchmark in entrepreneurship

*

Summary of the media impact of the South Summit event in Madrid in 2023 (June 7th-9th)







Apart from the Madrid's event, South Summit generated relevant media impact whose effects persist throughout the year

Summary of South Summit's media impact throughout 2023



MEDIA IMPACTS

The total number of media impacts throughout all of 2023 amounts to...

4,499



ECONOMIC VALUE

South Summit achieved an economic value in 2023 equivalent to ...

€30.9 M



AUDIENCE

During 2023, South Summit reached...

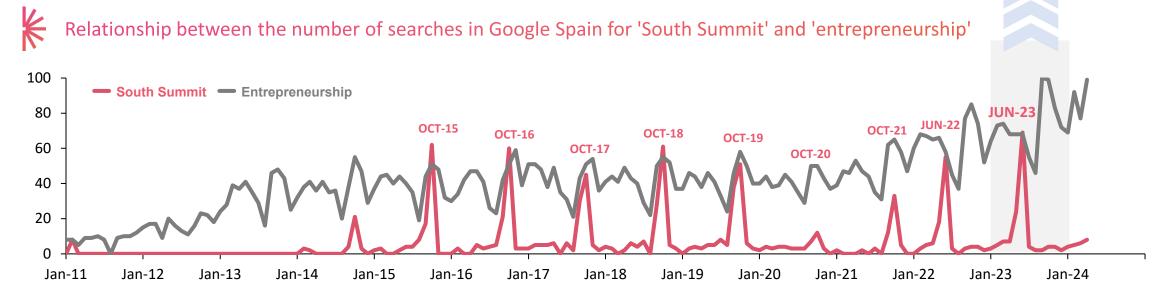
905 M



The interest in entrepreneurship in

Spain continues its upward trend, in line with the impact generated each year by

South Summit



Sources: South Summit and Google Trends.

With a growing international impact, as demonstrated by the data from the latest edition of South Summit in Brazil

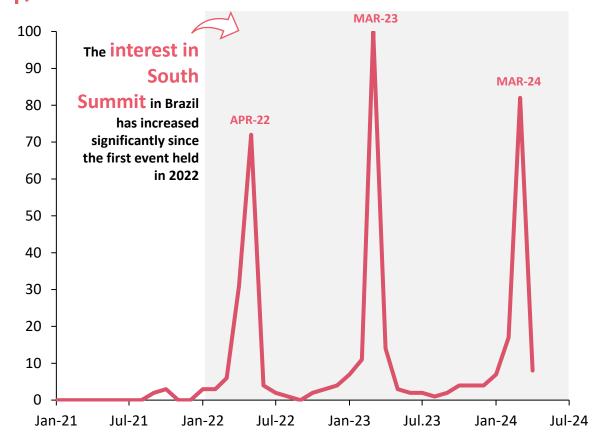
Summary of Media Impact from the South Summit Event in Brazil in 2024 (March 20th-22th)



impacts in LATAM (excluding Brazil)

Europa







80% of the startups participating in South Summit 2023 are international, creating a hub for global talent attraction that raises investment and generates an increasing impact in the entrepreneurial ecosystem

8 out of 10

startups participating in South Summit 2023 were international, subsequently representing around 40% of the finalist startups



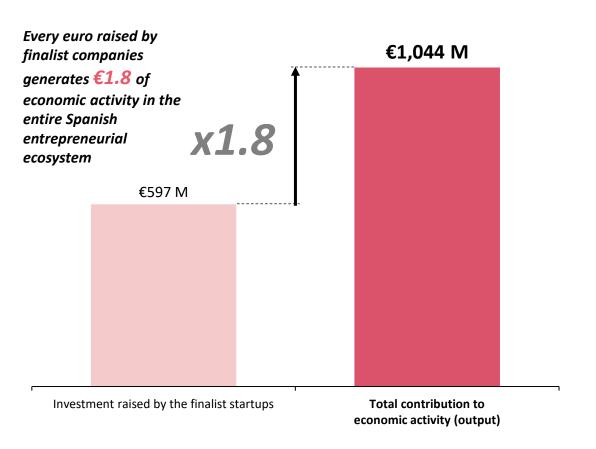
Number of South Summit finalist startups and their total received investment (2012-2023)

	Number of finalist startups (cumulative 2012-2023)	Total investment received by the finalist startups (cumulative 2012-2023)
Total	971	Around 70% €11,895 M of the total investment raised by the
Spain >>>	<i>573</i>	finalists between 2012 and 2023 corresponds to Spanish startups → €8,338 M The total accumulated investment
Madrid	270	by finalist startups from Madrid represents around 50% of the investment received by the finalist Spanish startups

The investment raised by the finalist Spanish startups in 2023 was €597 M (\$645 M), which produced an increase in economic activity in Span of €1,044 M



Contribution of all finalist startups from the South Summit editions in 2023



26%

The investment raised in 2023 by all Spanish finalist startups in all editions of South Summit represents 26% of the total investment volume in Spain in 2023

9,073 jobs

The investment raised by the **finalist startups contributed** indirectly and induced the creation of approximately **9,073 absolute jobs** in the Spanish business network

For every million euros of investment raised,

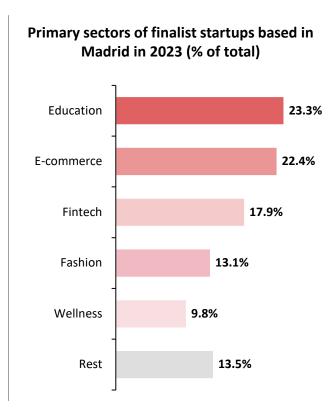
9 jobs are generated in the overall Spanish business network

Of this total contribution from Spanish finalist startups, around 46% of the impact, €481 M, was generated by startups based in Madrid



Contribution of all finalist startups from the editions of South Summit in 2023

Compared to the total number of Spanish finalist startups, the finalist startups based in Madrid generate 46% of the total contribution to economic activity and 45% of employment



O3 CONTRIBUTION OF SOUTH SUMMIT

3.1 IMPACT ON THE ECONOMY AND EMPLOYMENT

3.2 IMPACT ON IMAGE AND REPUTATION

3.3 IMPACT ON THE ENTREPRENEURIAL ECOSYSTEM

3.4 GROWTH CONSOLIDATION: SOUTH SUMMIT BRAZIL



South Summit has established itself as one of the leading global events within the entrepreneurial and innovation ecosystem

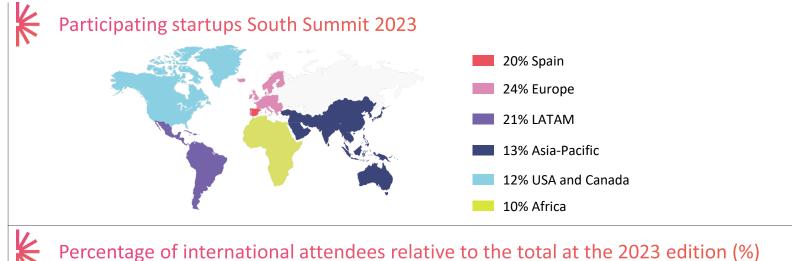
South Summit is an **international platform** that brings together all stakeholders of the entrepreneurial ecosystem. It is **continuously growing and expanding**, representing one of the main events in the sector at a **European level** and confirming its position in **LATAM**















The third edition of South Summit Brazil in March 2024 continues to reflect the international position of this event, with an increasingly significant impact on the international entrepreneurial ecosystem







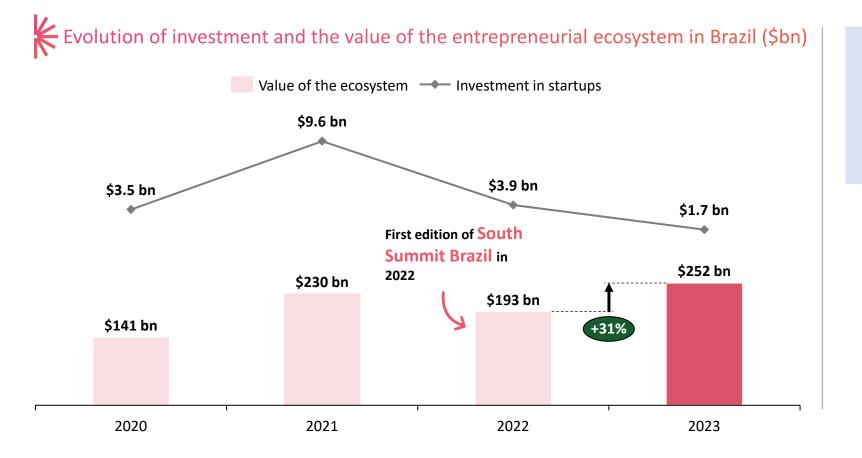




Sources: South Summit.



The value of the entrepreneurial ecosystem in Brazil has increased significantly in recent years (CAGR 1 of +22% between 2020-2023), representing around 52% of the total value of the ecosystem in Latin America in 2023



7%

906 Brazilian startups

participated in South Summit Brazil in 2024, representing **7%** of the **total startups in Brazil** (13,365 startups)

+31%

Since the first edition of South Summit Brazil, the entrepreneurial ecosystem of Brazil has increased by 31% in 2023

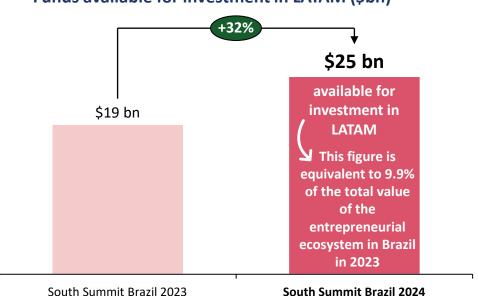


South Summit Brazil 2024 had a total of \$25,000 M available for investment in LATAM, which is equivalent to almost 10% of the entire value of the entrepreneurial ecosystem in Brazil in 2023



Contribution of the South Summit Brazil event to the economy and the entrepreneurial ecosystem

Funds available for investment in LATAM (\$bn)



\$12.2 M

The available funds per startup participating in South Summit Brazil reach \$12.2 M, attracting the best startups and entrepreneurs from the international landscape



x1.8

For every \$ finally raised in Brazil in terms of investment by startups, an average of \$1.8 of economic activity is generated in the Brazilian business network

The increasing relevance of South Summit Brazil also has very positive effects for Spain, both due to the investment raised by Spanish startups participating in the event, and the strengthening of Spain's image as a hub of innovation and entrepreneurship



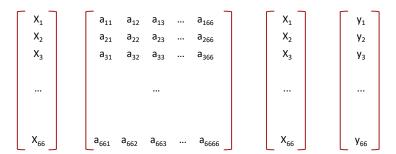
Methodological Annex: The Input-Output Model (1/2)

The impacts on economic activity and employment in Madrid generated as a result of organizing and hosting the event are calculated using the input-output model, constructed from data from the Regional Accounting of the Community of Madrid. Additionally, for the calculation of the impact of the finalist companies of South Summit in Spain, the input-output model, built from data from the National Accounting of Spain, has been used.

Input-output models are a standard and widely used technique to quantify the economic impact of economic activities and investments in infrastructure. They are based on the *Leontief* production model, in which the production requirements of an economy equal the intermediate demand for goods and services by productive sectors plus final demand, as shown in the following expression:

$$X = AX + y$$

where X is a column vector representing the production requirements of each sector of the economy (a total of 66 in the Regional Accounting of the Community of Madrid and 63 in the National Accounting of Spain), y is a column vector representing the final demand of each sector, and A is a matrix (66 rows x 66 columns in the Regional Accounting of the Community of Madrid and 63 rows x 63 columns in the National Accounting of Spain), called the technical coefficients matrix. This matrix, by rows, indicates for each specific sector the percentage of its production that is destined for each of the other sectors of the economy, and by columns, it also indicates for each sector the weight of the goods and services it demands from each of the other sectors of the economy. The previous expression can also be seen in the following way:



where, for example, X_1 represents the production needs of sector 1, y_1 is the final demand for sector 1, and a_{11} , a_{12} , a_{13} , ..., a_{166} are the percentages of sector 1's production that are allocated to sectors 1, 2, 3, ...,66, respectively, while a_{11} , a_{21} , a_{31} , ..., a_{66} are the weights on sector 1's production of the goods and services demanded respectively from sectors 1, 2, 3, ..., 66.

Methodological Annex: The Input-Output Model (2/2)

Reordering the previous expression, the production needs of an economy (X) can be calculated from the final demand (y) that it must meet as follows:

$$X = (I-A)^{-1} y$$

Where $(I-A)^{-1}$ is the Leontief inverse matrix or production multipliers matrix used to calculate the impacts.

The production multiplier matrix used in our analysis has been calculated from data published by the National Institute of Statistics of the Community of Madrid. This matrix allows us to determine, for every euro spent or invested in various sectors of the Regional Accounting (i.e., for every euro of final demand), the impact in terms of gross production (i.e., production needs). Additionally, for estimating the national impact of the South Summit finalists, we used the production multiplier matrix calculated from data published by the National Statistics Institute of Spain. This matrix enables us to determine, for every euro spent or invested in various sectors of the National Accounting (i.e., for every euro of final demand), the impact in terms of gross production (i.e., production needs).

From the production multiplier matrix, we proceed to calculate employment multipliers. To do this, using data from the National Institute of Statistics of the Community of Madrid and the National Statistics Institute of Spain, we first calculate the direct employment coefficients for each sector (the ratio between the number of employees and production). The employment multipliers are then derived by multiplying the production multiplier matrix by a column vector containing the direct employment coefficients calculated for each sector.

The multipliers for calculating induced effects are obtained from information about: (i) the share of household incomes (wages) in the production of each affected sector, (ii) the distribution of household consumption by sectors, and (iii) the estimated marginal propensity to consume for the Spanish economy (0.643).

Methodological annex: Estimation of assistant expenses

Given the lack of specific information on expenses incurred by attendees at the event, an approximation has been made using data on average spending by tourists, as well as the breakdown of these expenses by categories published by the National Institute of Statistics of the Community of Madrid and the INE. More specifically, for attendees at the event, the average expenses made by tourists from the rest of Spain and foreigners visiting the Community of Madrid have been used as a reference.

These average spending figures have been further adjusted specifically for South Summit to reflect only those expenses that would have an impact in Madrid and would not have occurred if the event had not taken place. Additionally, to avoid duplication in the estimated impacts, expenses incurred by attendees on event tickets have not been considered.

The adjustment of these figures has been carried out independently based on the origin of the attendees, as detailed below:

- Attendees from Spain (outside the Community of Madrid) and from outside Spain:
 - o It has been assumed that 50% of transportation expenses were made in Madrid and the remaining 50% in their respective places of origin, except for air and sea transport where it was assumed to be 75%.
 - o Expenses on travel agencies for foreign tourists have not been included assuming they were done at the place of origin.
- Attendees from Community of Madrid:
 - o To account for only additional expenses incurred exclusively due to attending the event and would not have occurred in its absence, for Madrid residents, only transportation expenses to and from the event venue have been considered (mainly taxi and gasoline costs for those using their own vehicles). These figures have been estimated based on average gasoline prices and taxi trips from the venue to different points in Madrid (€50 for a round trip taxi ride with 2 people).

For estimating impacts, all average expenditure data has been further adjusted by removing the corresponding VAT for each expenditure category.

