



SPAINDC[®]

ASOCIACIÓN ESPAÑOLA DE DATA CENTERS

Study on the impact of Data Centres in Spain 2022

0

A large red geometric shape, resembling a stylized house or a triangle with a flat top, occupies the left side of the page. The word 'Aim' is written in yellow on this red background.

Aim

This report captures **the importance of data centres' economic activities** on productive activity, income, GDP and employment. Applied to the Spanish economy in 2022.

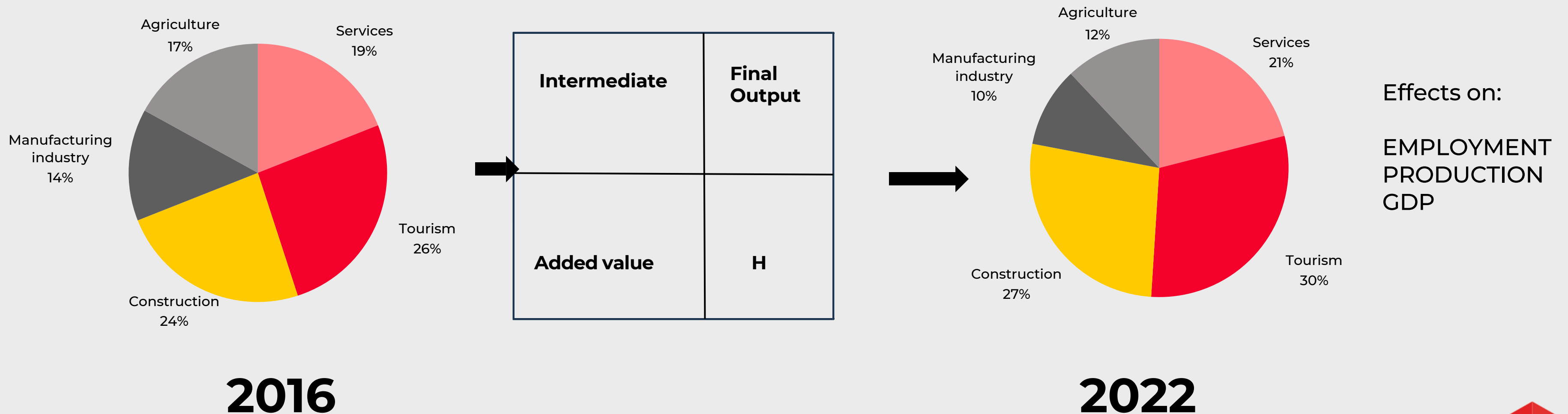
Data Centres' Contribution to the Economy

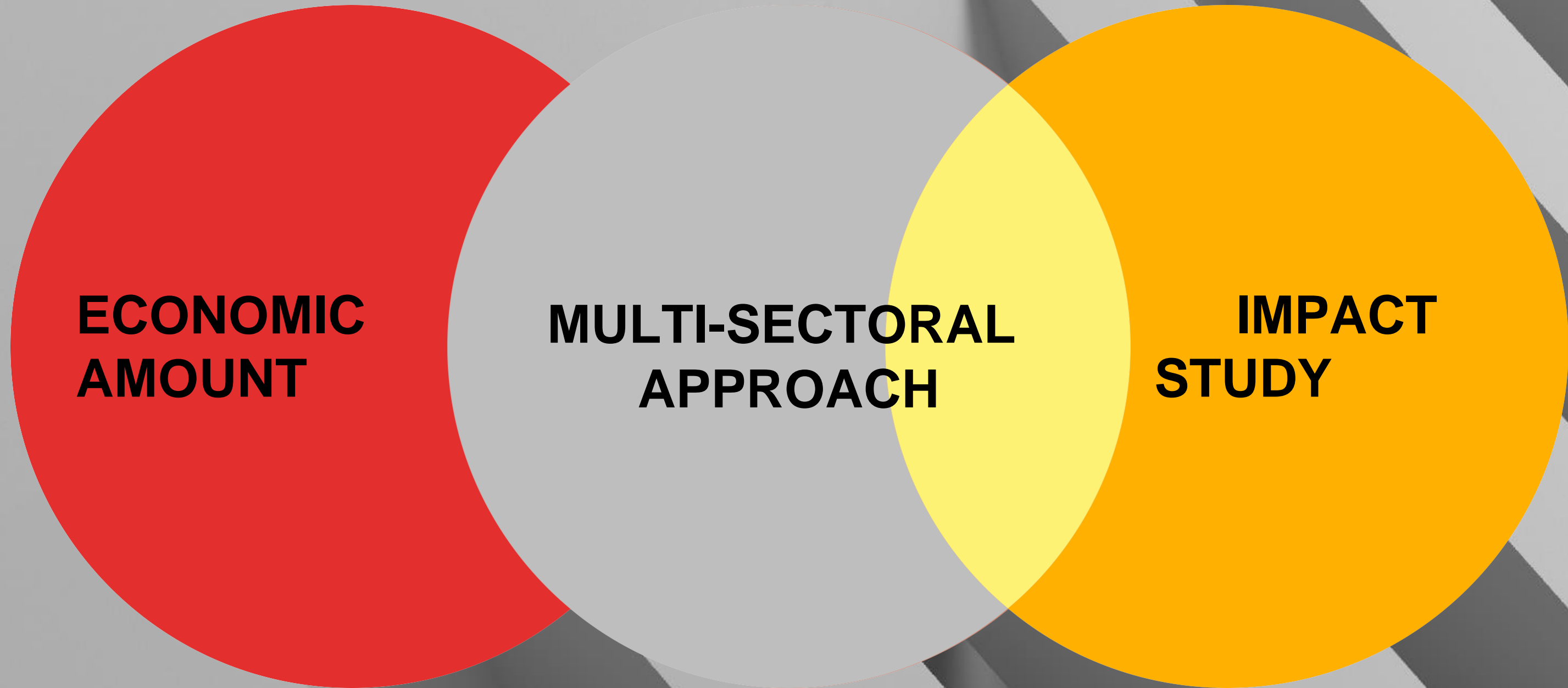


1 Methodology and Economic Impact Spain 2022

Our Methodology

The model simulates market interactions between producers, consumers and factors of production.





**ECONOMIC
AMOUNT**

**MULTI-SECTORAL
APPROACH**

**IMPACT
STUDY**



Data centres

Representation of Industry in Spain

€26.29049 billion

Economic activity and investment results

This includes:

- Business expenses and operating costs
- Investment in equipment

Contribution to the economy in terms of production

Data centres

Data centre operation
and investment

Total contribution in
terms of production

€26.29049
billion

€73.30706
billion

Data centre activity has a
multiplier effect of **2.8**



Total Impact
€73.30706
billion

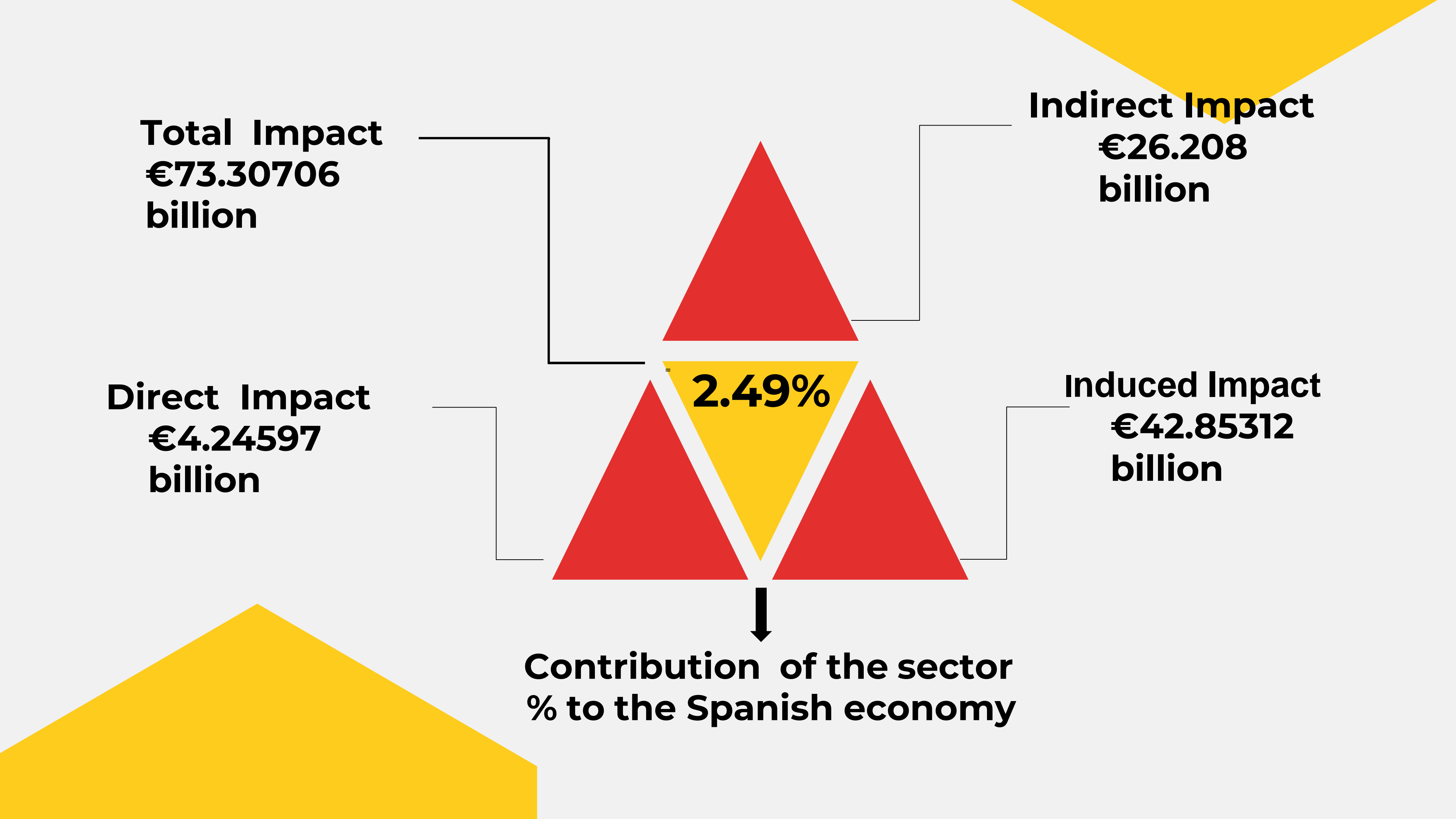
Indirect Impact
€26.208
billion

Direct Impact
€4.24597
billion

Induced Impact
€42.85312
billion

2.49%

Contribution of the sector
% to the Spanish economy



Economic activity

Impact on the Secondary Sector by area

3.15%

IT, electronic
and optical
products

2.88%

Machinery
and
equipment

4.19%

Machinery and
equipment
repair and
installation
services

6.02%

Electricity, gas,
steam and air
conditioning

5.29%

Construction and
construction
work



Economic activity

Tertiary sector

12.03%

Programming,
consultancy and
other IT-related
services

3.79%

Legal and
accounting
services, company
head office
services, business
management
consulting services

4.71%

Scientific
research and
development
services

6.33%

Other
professional,
scientific and
technical
services

3.76%

Security and
investigation
services, building
and landscaping
services, office and
administrative
services



Economic Impact

Contribution by the sector %

01

Income
(labour and capital)

2.64%

02

Employment

2.33%

03

GDP

2.48%

Impact on employment

2.33%

Impact on
employment

**482,401
total jobs**



- Construction
- Wholesale and retail services
- Accommodation services
- Programming, consultancy and IT services; information services
- Legal and accounting services, company head offices, consulting
- Security and investigation services

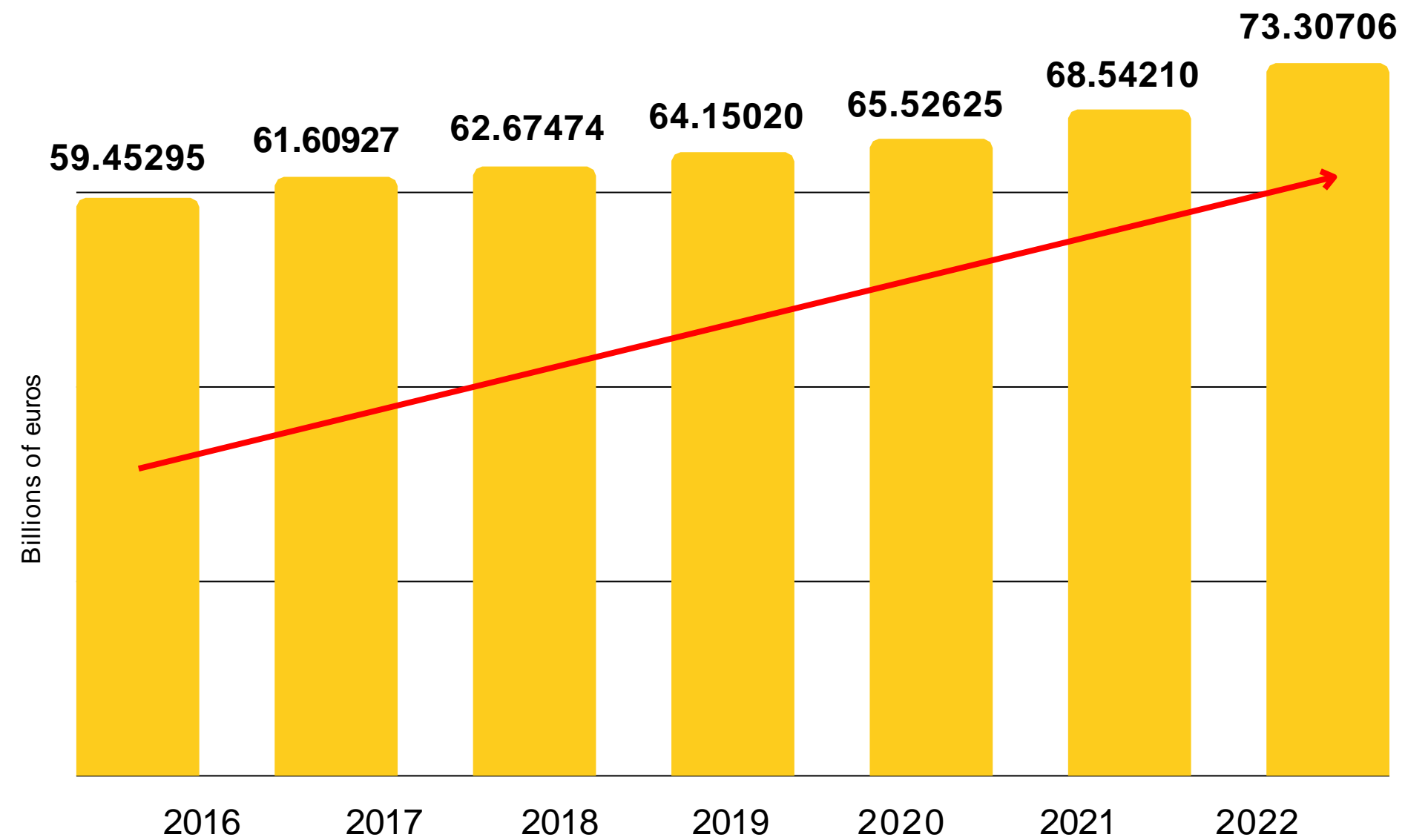
**With the most effect on
these production activities**

Direct, indirect and induced
impacts throughout the economy



Data centres' contribution to the economy in seven years

€455.262 billion



2

Economic impacts of other strategic sectors in Spain

Aerospacial



In 2022 it generated a*
turnover of €12.135 billion



Contributing €17.392
billion to domestic
GDP

1.31% of
total GDP

210,000
total jobs



Impact on employment

Efficiency ratio	Employment rate
1.43	17.31

*Source: ICEX

<https://www.investinspain.org/es/noticias/2023/ind-aerospace>



Automotive after-sales



In 2023 it generated a turnover of €19.894 billion



Contributing €54.621 billion un total production

2.59% in terms of GDP

375,000 total jobs



Impact on employment

Efficiency ratio	Employment rate
1.75	18.85

*Source: Impact report on the automotive after-sales sector 2023. AfterMarket Club



Comparative

Sectors	Efficiency ratio	Employment rate
Aeronautical	1.43	17.31
Automotive after-sales	1.75	18.85
Data centres	1.25	18.35

0.21%



Other sectors ICT

Data centres facilitate other sectors' production activity

In 2022 it generated a turnover of €120 billion*



764,128 direct jobs in total



Of domestic and international ICT companies

ICT activities under the Business Activity Coordination (CAE) classification are identified as sectors capable of boosting other sectors. Part of the impact on GDP is facilitated by data centres' services.

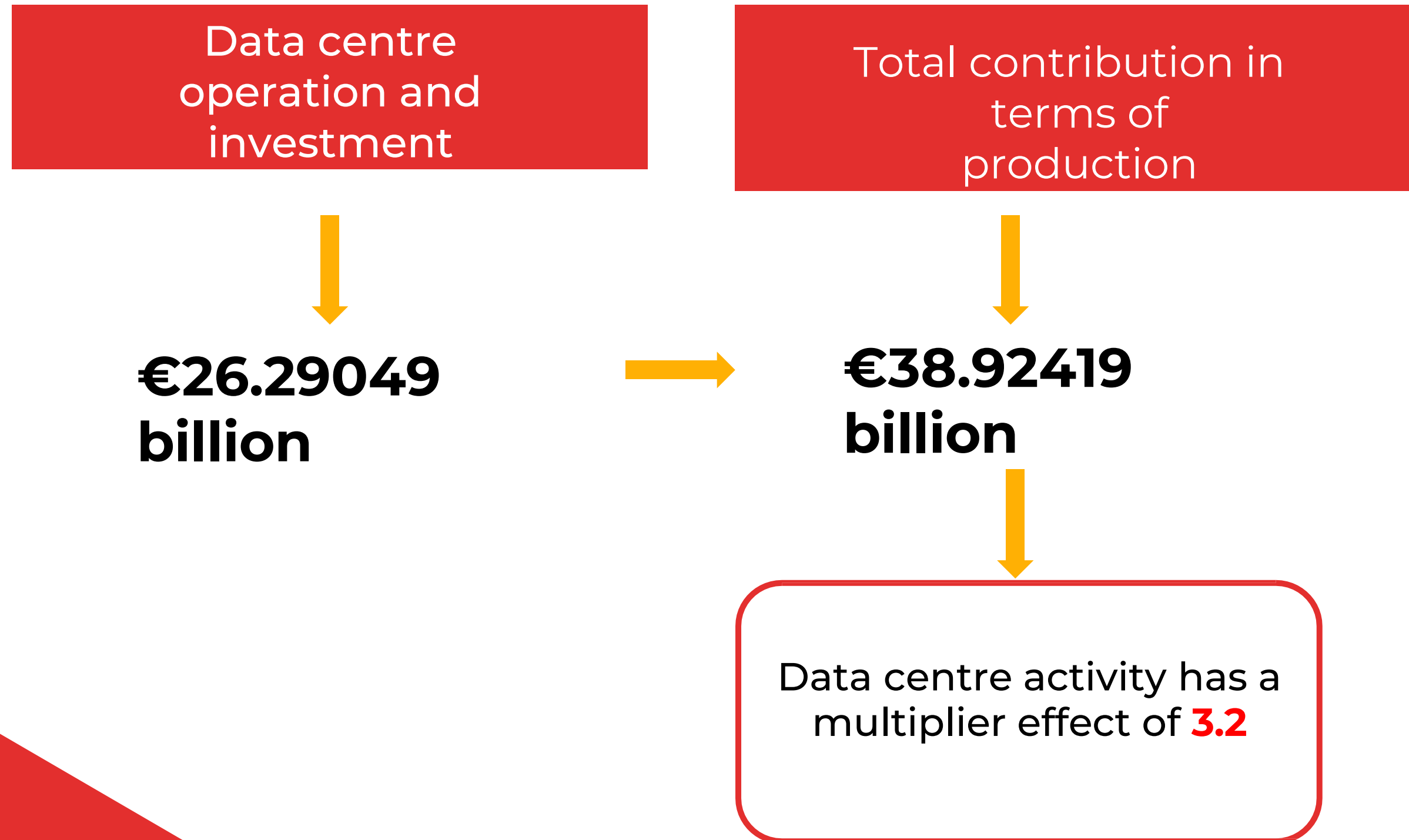


3 Economic impact in Madrid Autonomous Region in 2022

Contribution to the economy

In terms of production – Madrid Autonomous Region

Data centres





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