



EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS 2024 ESTORIL - PORTUGAL

Special Session

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2024 ESTORIL - PORTUGAL

**Special Session: Best Practices in Quality Management in the
Southern European Neighborhood Policy Countries**

**Impact of the Application of Total Quality
Standards on the development of official
Statistics'**

Dr. Haidy Mahmoud (CAPMAS, Egypt)

haidy_samy2015@yahoo.com

June 7, 2024



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Outline

- Introduction.
- International Assessment of the Current Situation of the Statistical System.
- Evaluation of Experts and Citizens on the Quality of Statistical Data in Egypt .
- Analyze the Current Situation of statistics Using a SWOT Analysis.
- Relationship Between Applying TQM to Field Surveys.
- Conclusion.





Introduction

The Egyptian Statistical office (CAPMAS) is effort to improving the quality of statistical products through to examine the impact of applying the total quality standards on field surveys, Focusing on “**International Migration Survey**” as one of the most important and difficult field surveys conducted by statistical offices worldwide. it provides a large amount of data that reflects a true picture of the interrelationships between international migration and development.





Introduction (cont.)



Egypt Launched the First National Survey on International Migration in **2013**, and we are currently preparing for the Second Edition of the Survey, scheduled to be conducted in **2024**.



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International Assessment of the current situation of the statistical system

The World Bank launched the world Statistical performance indicators (SPI) in **2016** as a composite indicator that measures the quality of the country's statistical system across **186 countries** in the world.

It is based on 51 indicators to evaluate performance offices according to **five main pillars**: (Use, Services, Products, Sources, and Infrastructure) of data.

The indicator aims to measure the quality of national statistical systems in collecting, producing and publishing high-quality data.



Pillars

Dashboard Architecture

Data Use (User Types)

Legislature

Executive

Civil Society

Academia

International Bodies

Data Services (Service Types)

Quality of
Data Releases

Richness and
Openness of
Online Access

Effectiveness of Advisory
and Analytical Services
Related to Statistics

Availability and Use of
Data Access Services

Data Products (Topics)

Social

Economic

Environmental

Institutional

Data Sources

Statistical Office
(Censuses and
Surveys)

Administrative
Data

Geospatial
Data

Private Sector Data/
Citizen Generated Data

Data Infrastructure

Legislation and
Governance

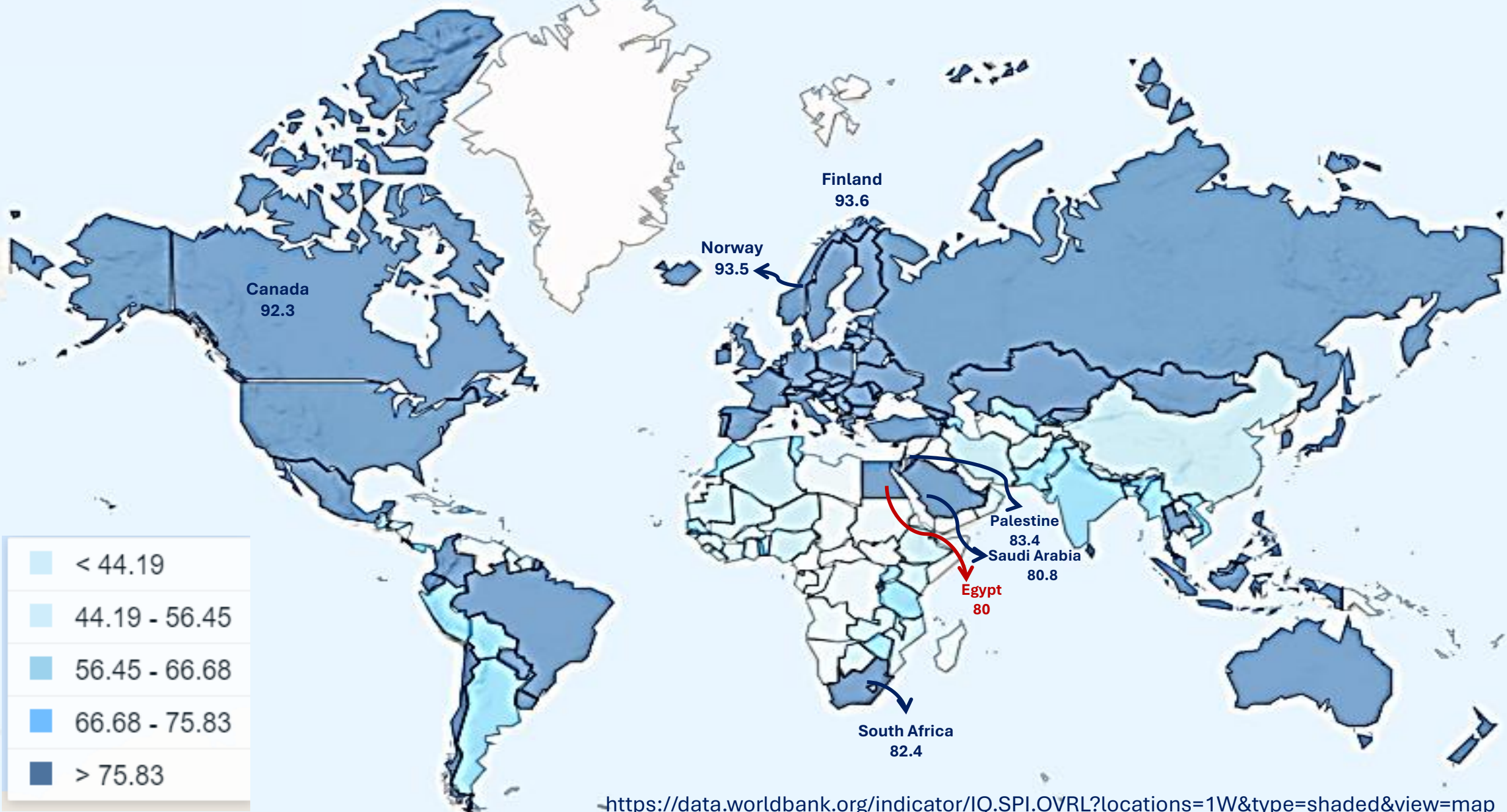
Standards and
Methods

Skills

Partnership

Finance
(Domestically and
from Donors)

Statistical Performance indicators of the World, 2023

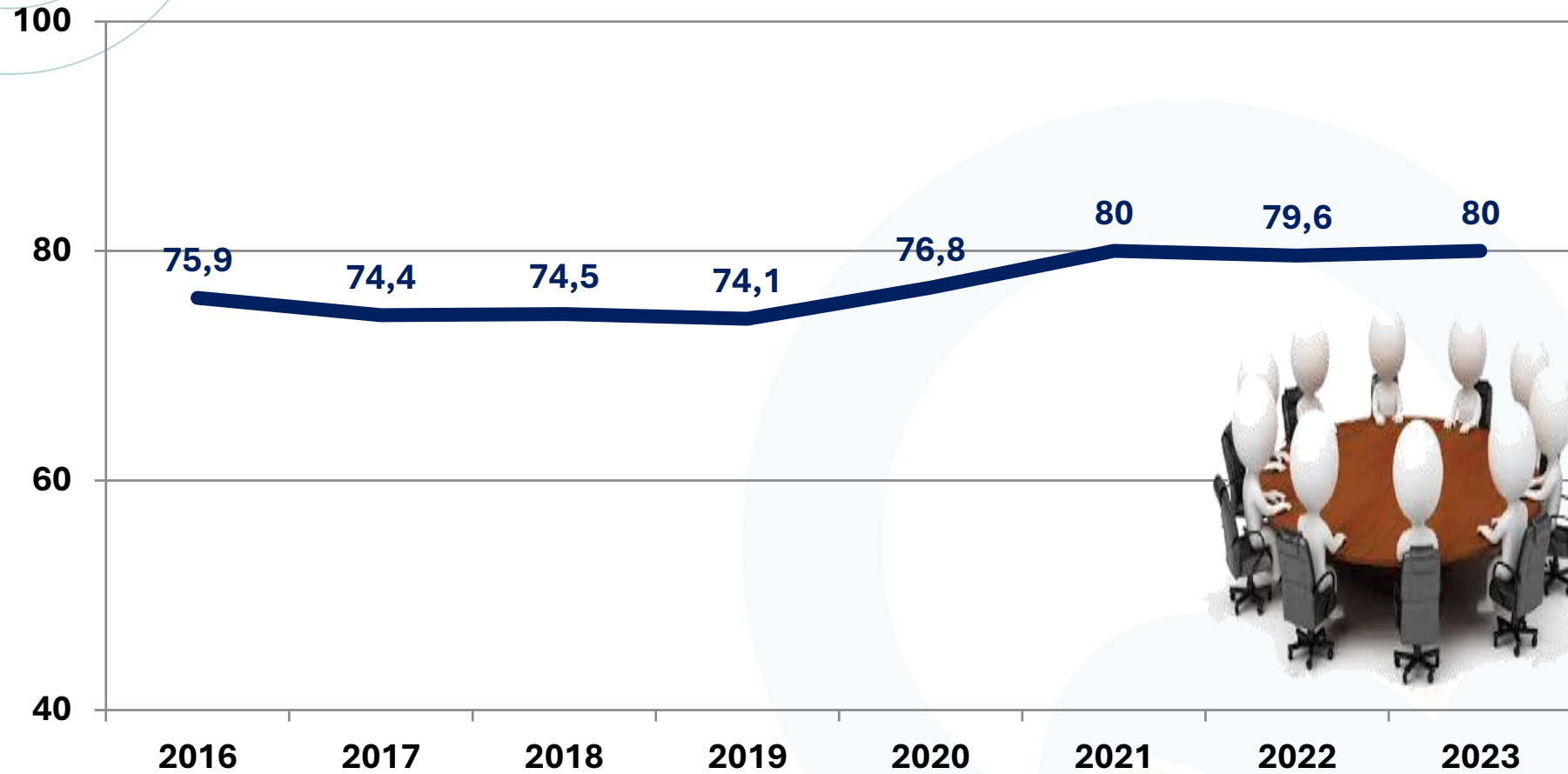




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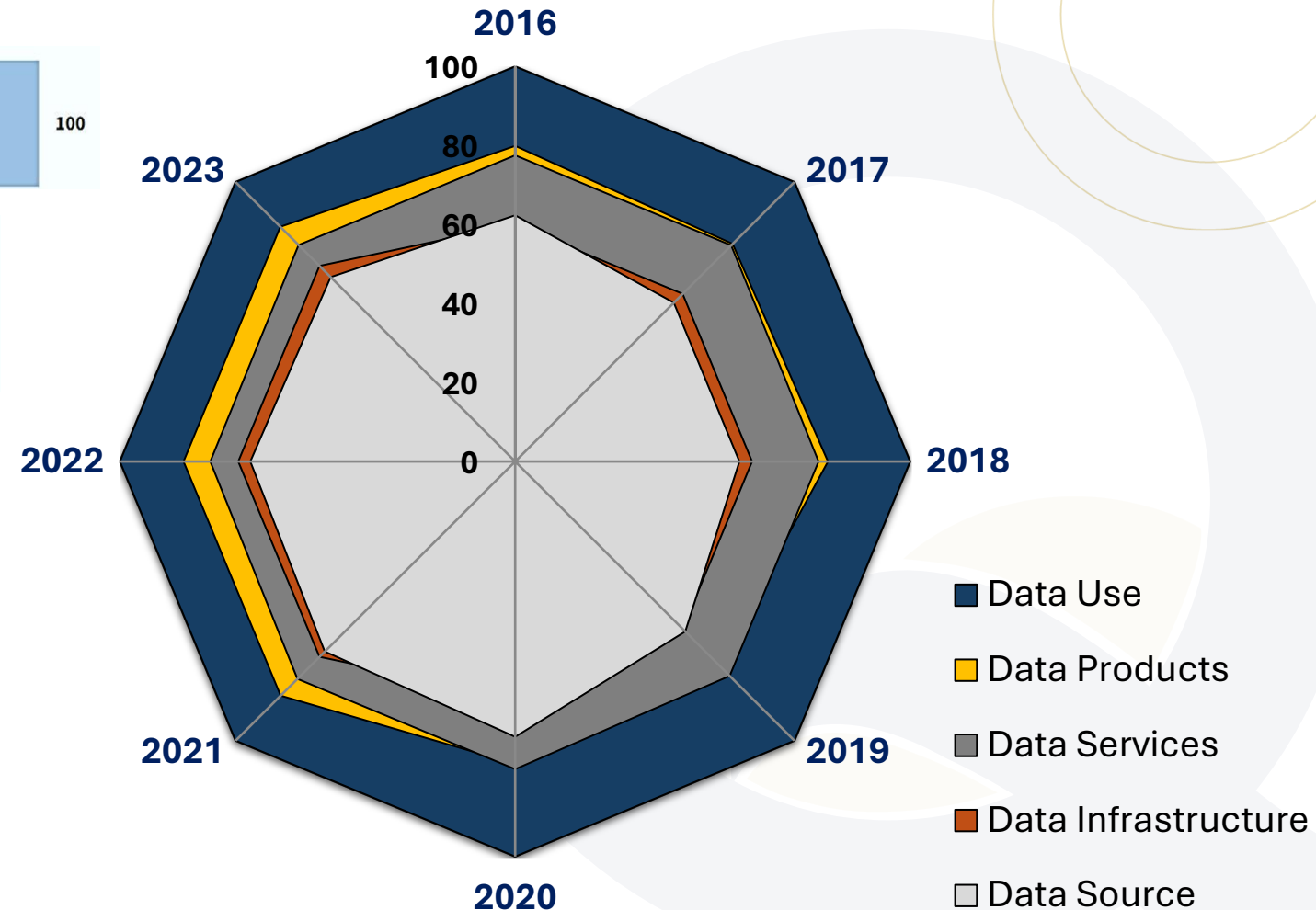
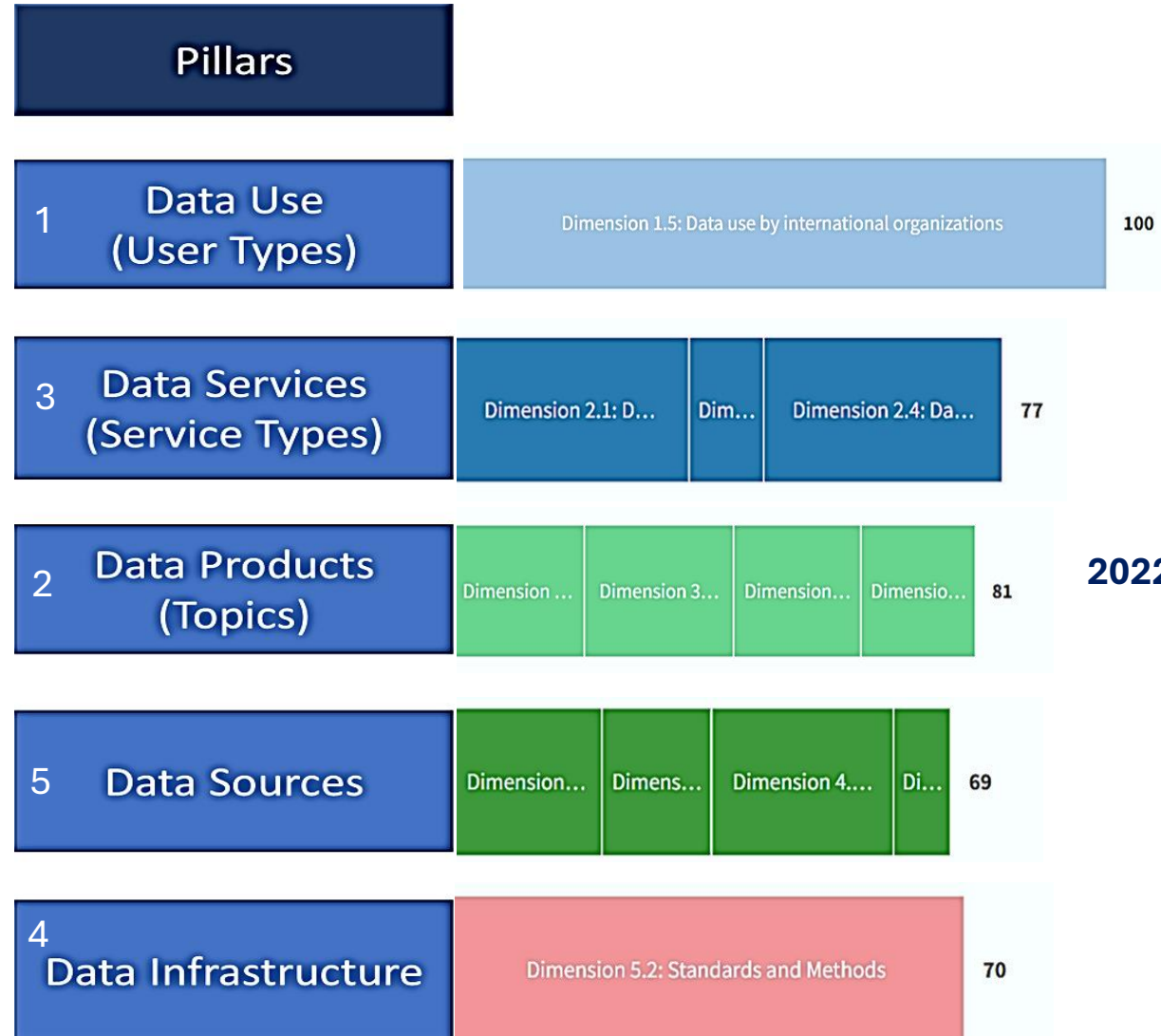
Overall Score of Statistical Performance indicators (SPI) in Egypt (2016-2023)





Statistical Performance indicators (SPI) in Egypt (2016-2023)

Pillars



Strengths	Weaknesses
Egyptian Statistical Office Follows the Professional Principles Recommended by International Organizations.	Weak Statistical Awareness Among Citizens of The Importance of Statistics.
Tablets were Used in the Data Collection.	Failure to Appoint Researchers on a Professional Basis that is Compatible with Their Qualifications and Personality
Availability of Statistical Data to all Data Users.	The Lack of Clear Coordination Mechanisms between CAPMAS and The Ministries that Produce Statistical Data.
Preparing Follow-up Rooms for Field Work to Ensure the Accuracy and Logic of The Data Immediately.	Weak Quality of the Framework Used in Surveys, Which Needs to Update from Time to Time.
Create Good Friendly Relationships Between Data Collectors and Respondents to Reduce Non-response Rates.	

Opportunities	Threats
Preparing and Implementing a National Strategy to Develop Statistical Work	The Statistical Law has not Been Updated Since its Establishment in 1960.
International Attention to Developing Statistics and Improving Their Quality.	Continuing Weak Awareness of the Importance of Statistical Data, Especially Among Policy Makers and Decision Makers.
Citizens' Confidence in Data and Statistics Issued by Government Agencies.	The Continued Lack of Coordination between Data Producers and Users



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The Current Situation Using a **SWOT** Analysis



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Evaluation of Experts and Citizens on the Quality of Statistical Data in Egypt

Evaluation of Experts

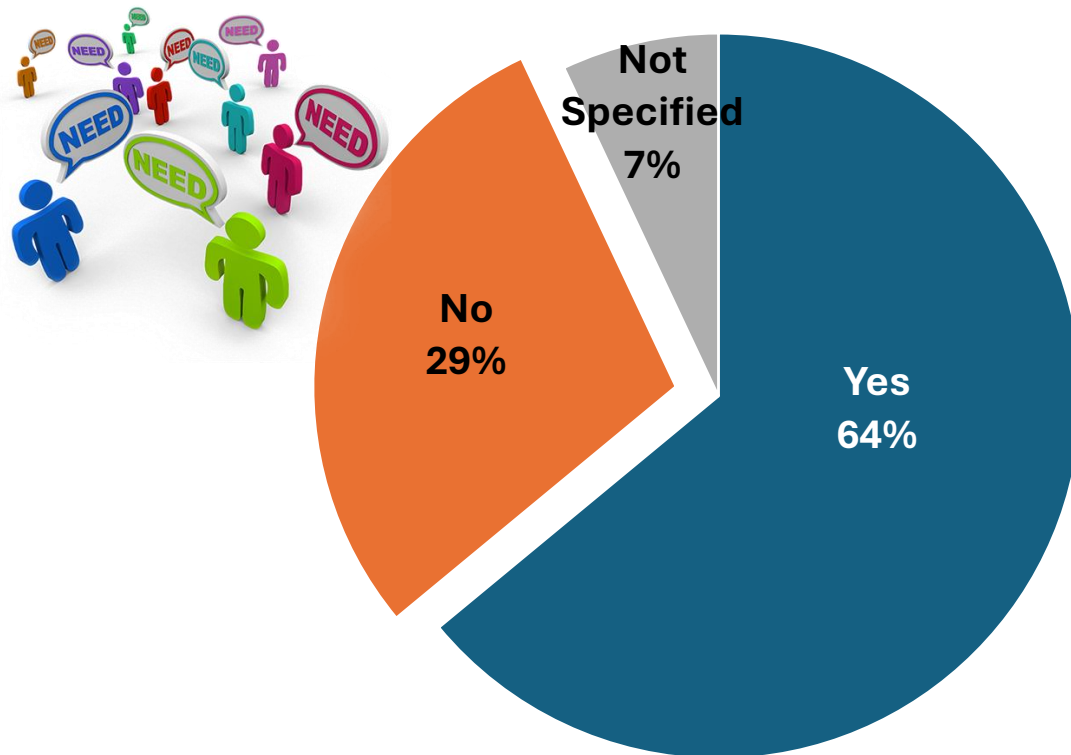
Experts pointed out that the statistics in Egypt suffer from some shortcomings, the most important of which is conflicting data that doesn't reflect the truth, Big time gap between data collection and publication, as well as low demand for data.



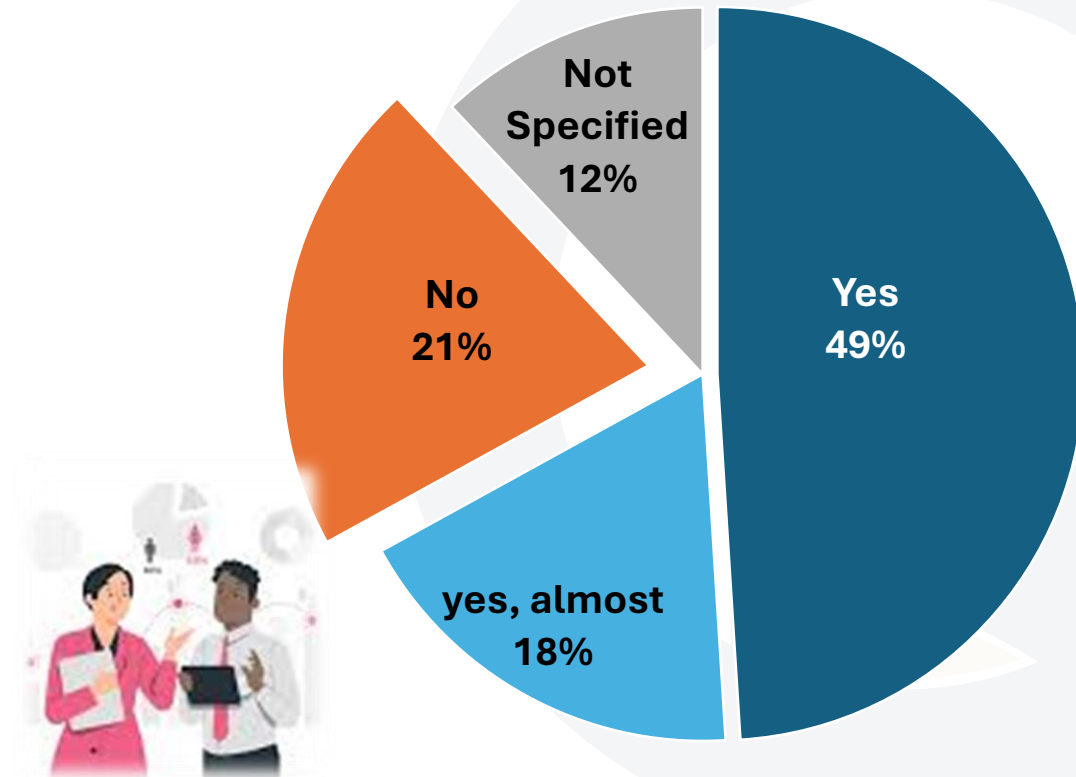


Evaluation of Citizens

Users Interested to Knowing Data



Users' Trust in Statistical Data



Quality standards

Relevance

Timeliness

Consistency

Comparison

Integration

Availability

Accuracy

22%

40%

+

affect on

62%

Quality of the output of the statistical product



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Results

The Relationship between
Applying TQM Standards
and its Impact on The
Output of the Statistical
Product.



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The Relationship between Training of researchers on the data collection form and the field work method



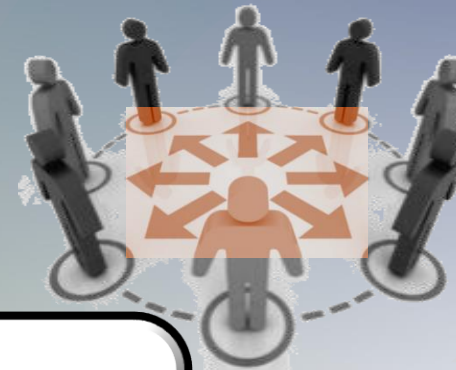
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**Training of
researchers on the
data collection form**

affect on

9%

**Field work
method**



Results



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The Relationship between the Sample design and the quality of the statistical product.



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**Sample Design used
in the field work**

99%

affect on

**Quality of
statistical
products**



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The Relationship between Accuracy and Clarity of the statistical form and the Response Rate for the survey sample



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sample



**Accuracy and
Clarity of the
Statistical form**

64%
affect on



**Response Rate
for the survey
sample**



Results



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The Relationship between analysis of survey and the accuracy of published data



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**Analysis of
survey results**



affect on

57%

**Accuracy of
published data**



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Conclusion



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There is a necessary for:

Updating legislation and laws related to data collection according to the current situation of the country.

Developing and updating the framework used in field surveys.

Good marketing of statistical products to be published in an attractive, clear and understandable way to everyone.

Create a channel to communicate with statistics users to learn about their opinions and needs in statistical data.



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Thanks for your Attention

EGYPT

Dr. Haidy Mahmoud (CAPMAS, Egypt)

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