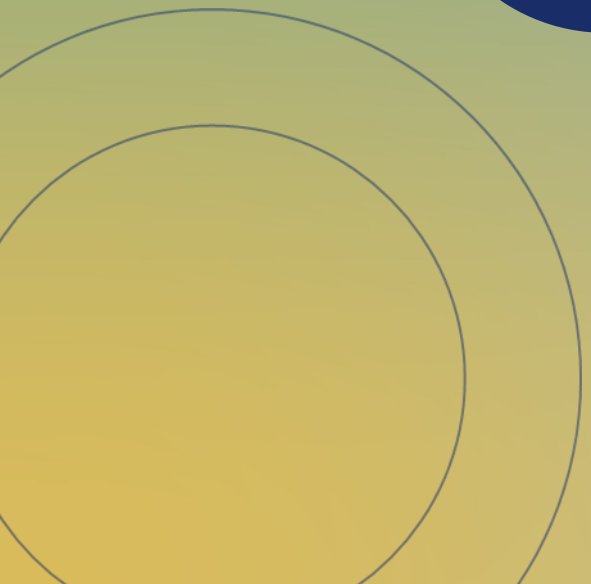
EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS

2024 ESTORIL - PORTUGAL



Instituto Nacional de Estatística
Statistics Portugal

eurostat

The conference is partly
financed by the European Union

EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS
2024 ESTORIL - PORTUGAL

SESSION 2 - CONFIDENTIALITY AND DATA PROTECTION

INTEGRATED RISK MANAGEMENT IN QUALITY AND INFORMATION SECURITY SYSTEMS

5 JUNE 2024

Joaquim Machado
Head of Technological Infrastructure and Information Security Unit
Statistics Portugal
Magda Ribeiro
Head of Planning, Control and Quality Unit
Statistics Portugal

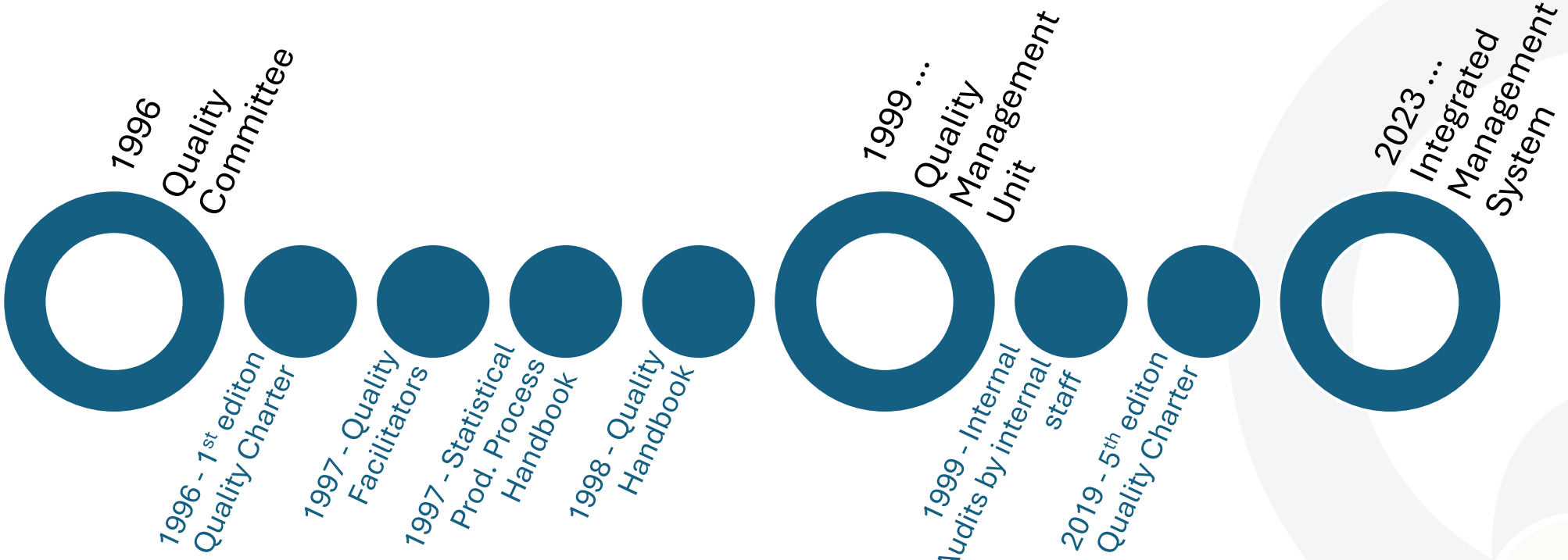
INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL

eurostat

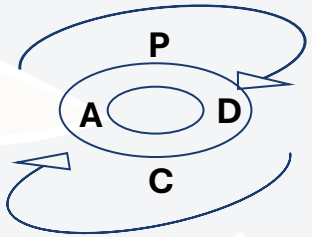
The conference is partly
financed by the European Union

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL
eurostat
The conference is partly financed by the European Union

Quality framework - overview



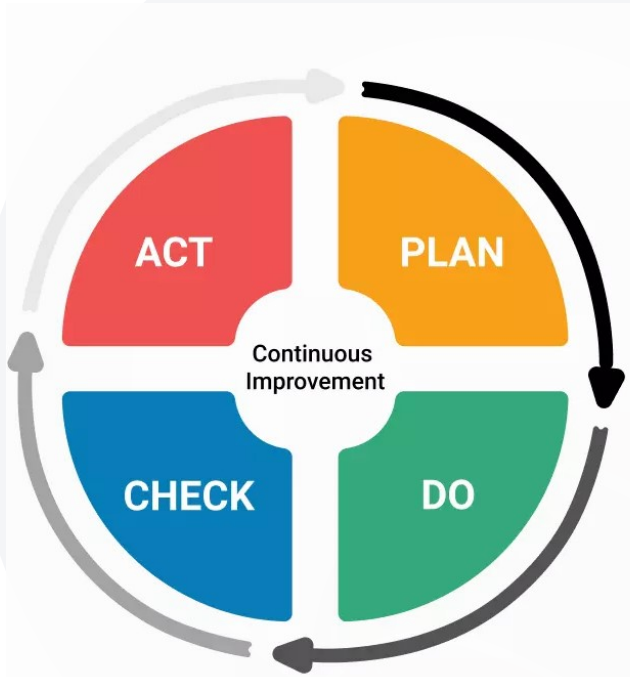
SP Quality Management System follows the principles of the **ISO 9001** Standard and adopts a systematic approach, **managing processes according to the PDCA cycle**



The conference is partly financed by the European Union

ISMS – Information Security Management System

- Important, significant and imperative
  - The **guarantee of confidentiality, integrity and availability** of information ensures the **credibility** of the services provided by Statistics Portugal.
  - The information managed by Statistics Portugal, its processes, systems, applications and networks are **valuable assets** for society.
- Management
  - 360º application. It's not specific to a business unit, process or timeframe. It's for everyone, everything and every time.
  - Continuous Improvement with PDCA model.



ISMS – Information Security Management System

CIA triad

1. **Confidentiality**
   Data is kept private, secret, and secure, only to be accessed by specific parties
2. **Integrity**
   Data and security around it is consistent, accurate, and reliable
3. **Availability**
   Systems and applications remain available as they should and when they should

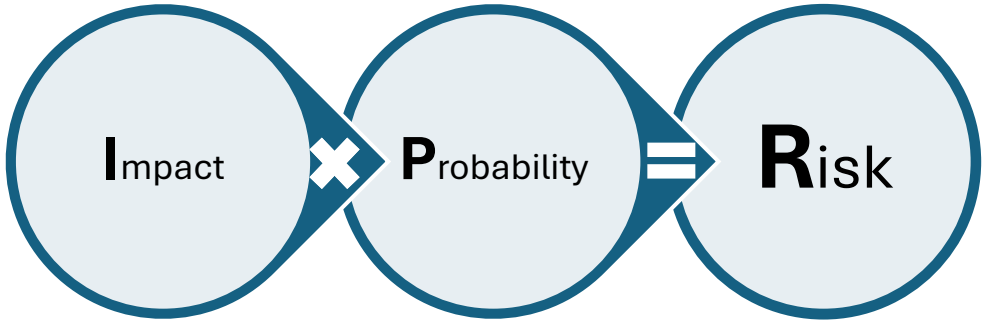
The conference is partly financed by the European Union

Figure 1: Integrated Management System

Macroprocess Strategy and improvement	System management	Planning	Information Security Management	External Relations Management
Core Business Macroprocess	Statistical production			
Support macroprocess	Financial Management	Purchasing Management	Human Resources Management	System management

The statistical production process, is supported by the Generic Statistical Process Model (GSBPM) and covers all of Statistics Portugal's official statistics

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL
eurostat
The conference is partly financed by the European Union



The conference is partly financed by the European Union

We have considered that the **three vectors** of the **Information Security System** **can also be applied** to the **Quality Management System**, particularly when the core process is the Production and Dissemination of official statistics.

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL
eurostat
The conference is partly financed by the European Union

From the analysis carried out, we realised that adjustments were necessary, particularly in aligning concepts in the following areas:

Alignment of concepts	Without adjustments
Inventory, identification and classification of assets	Impact assessment on assets
Assessing the probability of threats to the assets	Identifying threats and vulnerabilities
Definition of the Treatment Plan	Calculate the risks
Identifying the Controls - > Identifying Requirements	

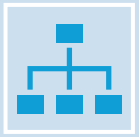
Close asset form

Reference	Scope	Type	Category	Sub Category	Amount	Description	Location	Asset owner	Creation date
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Comunicações	1	[illegible]	Portugal	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	3	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	7	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	19	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Portugal	[illegible]	2022-07-13
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Portugal	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	2	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-07-13
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Informação de suporte	1	[illegible]	Lisboa	[illegible]	2024-03-06
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Software	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Hardware	1	[illegible]	Lisboa	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Hardware	1	[illegible]	Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Hardware	1	[illegible]	Lisboa	[illegible]	2022-04-26
[illegible]	[illegible]	Suporte	Tecnologias de Informação	Hardware	1	[illegible]	Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-04-26
[illegible]	[illegible]	Primário	Informação	Dados informatizados	1	[illegible]	Lisboa e Porto	[illegible]	2022-07-13

Records: 177

The conference is partly financed by the European Union

Conclusions



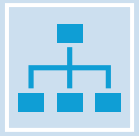
Consistency and Efficiency: By adopting the same methodology for both systems, organisations can promote consistency in their risk management approaches. This simplifies processes, saves time, and resources, and reduces the possibility of errors arising from different methods.

Enhanced Communication: This can improve communication between teams, promote a broader understanding of organisational risks and facilitate collaboration on corrective and preventive actions.

Optimized Resource Utilization: By using a unified methodology, organisations can maximise the use of human and financial resources. Staff can be trained in a single methodology that can be applied to both systems, eliminating the need for separate training for different approaches.

The conference is partly financed by the European Union

Conclusions



Strategic alignment: A common risk management methodology ensures that quality and information security objectives are aligned with the organisation's overall objectives. This allows for a more holistic approach to managing risks that impact the organisation as a whole.

Informed Decision Making: A unified approach can provide a clearer and more comprehensive view of the risks faced by the organisation. This allows for better decision-making, as leaders have a more complete understanding of the risks and how they can impact organisational objectives.

Regulatory Compliance: Regulatory requirements for information quality and security often overlap. Adopting a common methodology can facilitate compliance with these requirements, ensuring that all relevant aspects are effectively addressed and efficiently.

EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS

2024 ESTORIL - PORTUGAL

INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL

eurostat

The conference is partly
financed by the European Union