



NOV 25 | 10:00 - 11:30 CET

Interoperability, Data governance,
Data spaces maturity assessment,
and the path to Standardization



CEN/CENELEC JTC 25 WG3 “Data Management and Governance”

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(November 25th, 2025)

Speaker

Ismael Caballero

- Full Professor at UCLM (Spain). Member of de Alarcos Research Group
- Partner – Co-founder of DQTeam SL (a UCLM spin-off specialized in data governance and data quality)
- Several Professional certifications: CISA by ISACA (Member of ISACA Spain) and Certified IT Auditor by AENOR. CDO-1 by UALR-MIT (USA), DAMA CDMP Fundamentals and Data Governance, Professional Scrum Master I and PSPO I by Scrum.org
- Board Member of DAMA Spain as Delegate of the Scientific Committee
- Editor in CTN-UNE 71/SC7, CTN-UNE 71/SC43, CTN-UNE 116, CEN/CENELEC JTC25, ISO/TC 184/SC4/WG13
- Project Leader of ISO 8000-62 (ISO TC184/SC4/WG13) and Project Editor ISO 8000-60, ISO 8000-61 (ISO TC184/SC4/WG13)
- Project Contributor to ISO 20547 (ISO/IEC JTC1/SC42/WG9) and ISO 5259 (ISO/IEC JTC1/SC42/WG2)
- Project Leader of UNE 0077, 0078, UNE 0079, UNE 0080, UNE 0081 and Project Contributor to UNE 0085 and UNE 0087
- Convenor of CEN/CENELEC JTC 25 WG3 “Data Management and Governance”
- Editor of prEN “Internal quality”



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1. **Standardization Request**
2. prEN “Quality framework for internal data governance for participants in data spaces”
3. Foundations of the prEN
4. Conclusions

1. Standardization request

1.1. Terms of reference

Title: Data Management and Governance

Scope: Standardization in the area of data management and governance

Related Items in the Draft Standardization Request (updated March 2025):

- Technical specification(s) on a data catalogue implementation framework
- Technical specification(s) on an implementation framework for semantic assets
- European standard on a quality framework for internal data governance

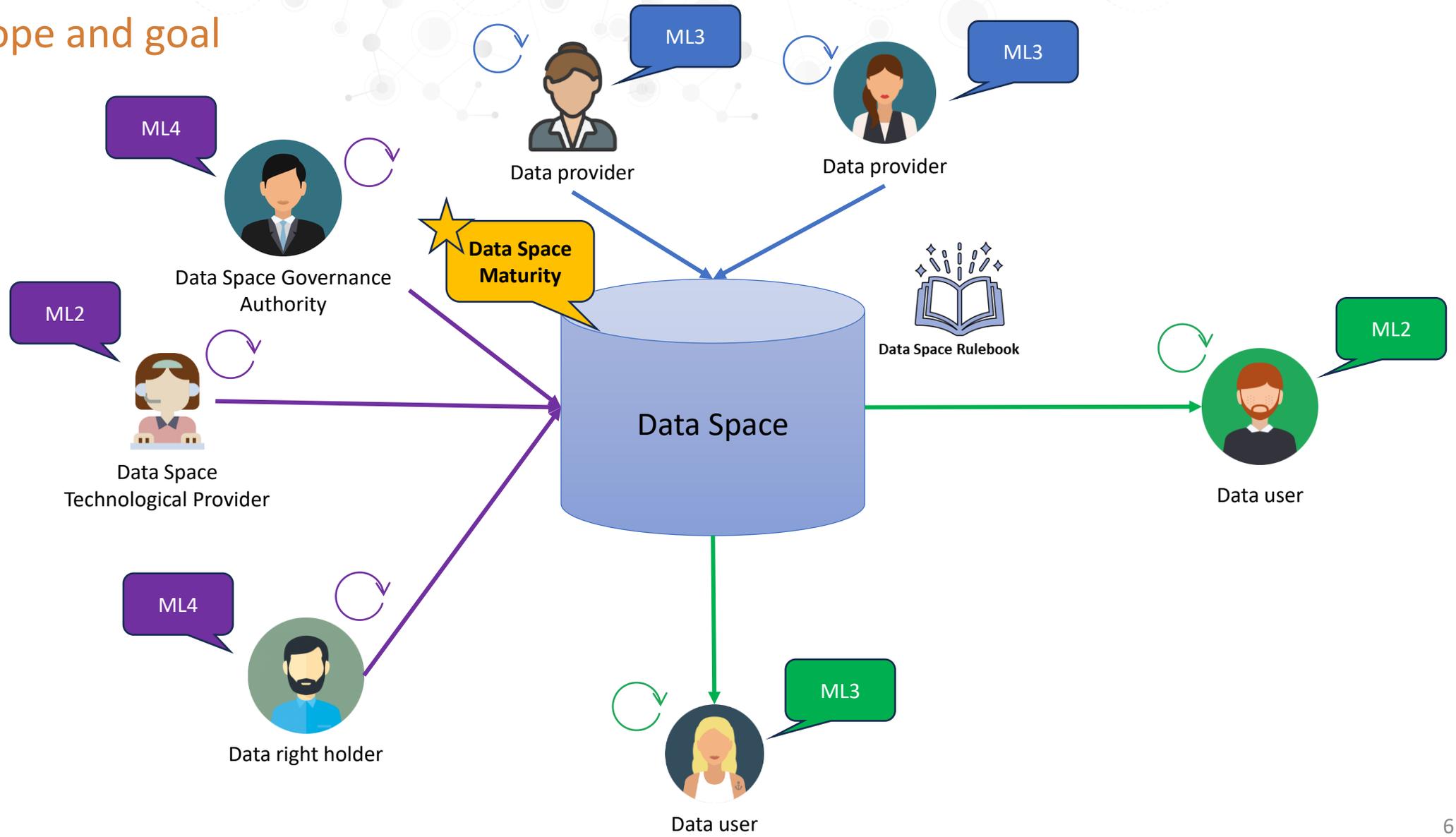


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2. prEN “Quality Framework for internal DG”

2.1. Scope and goal

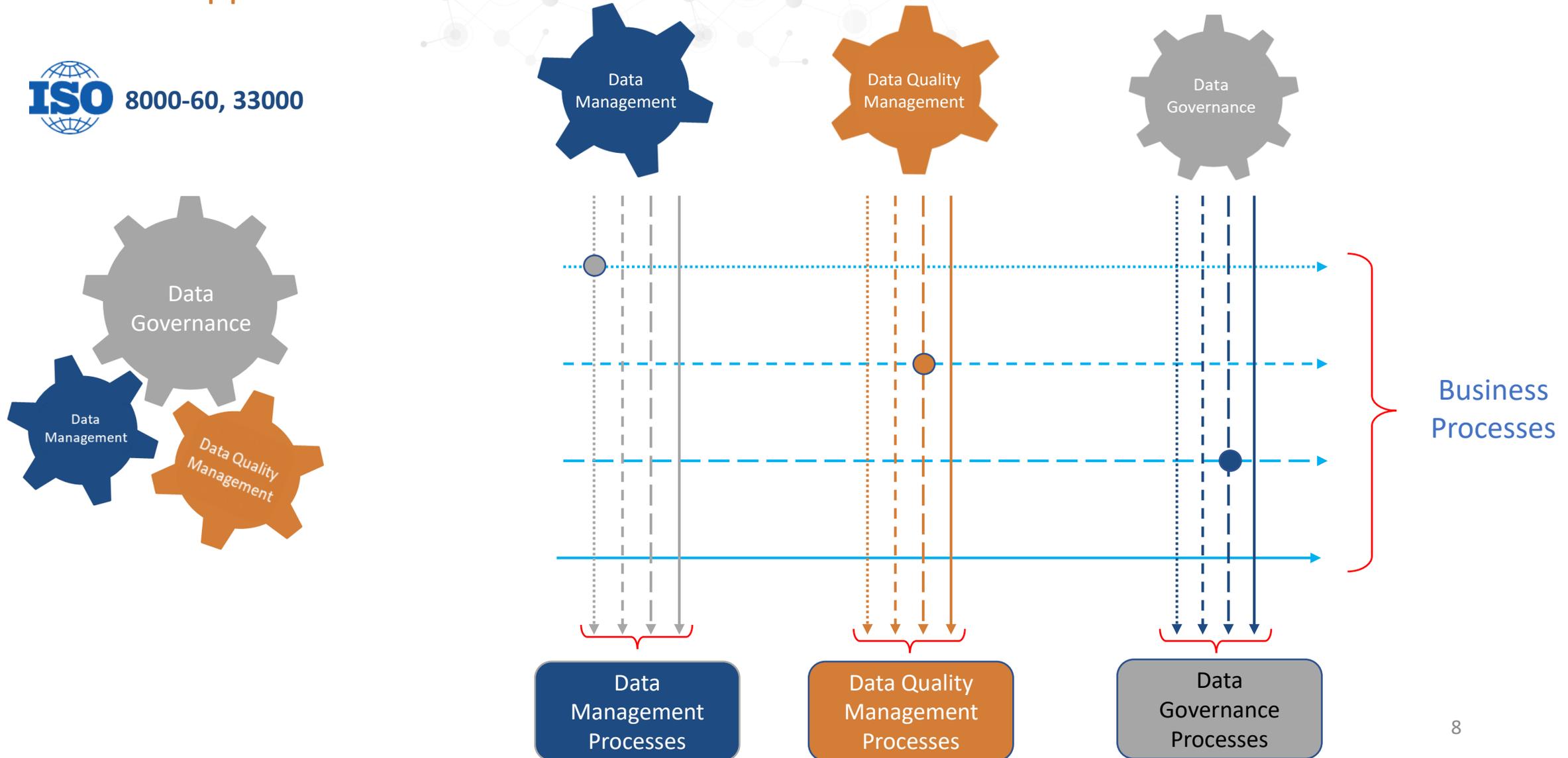


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3. Foundations of the framework

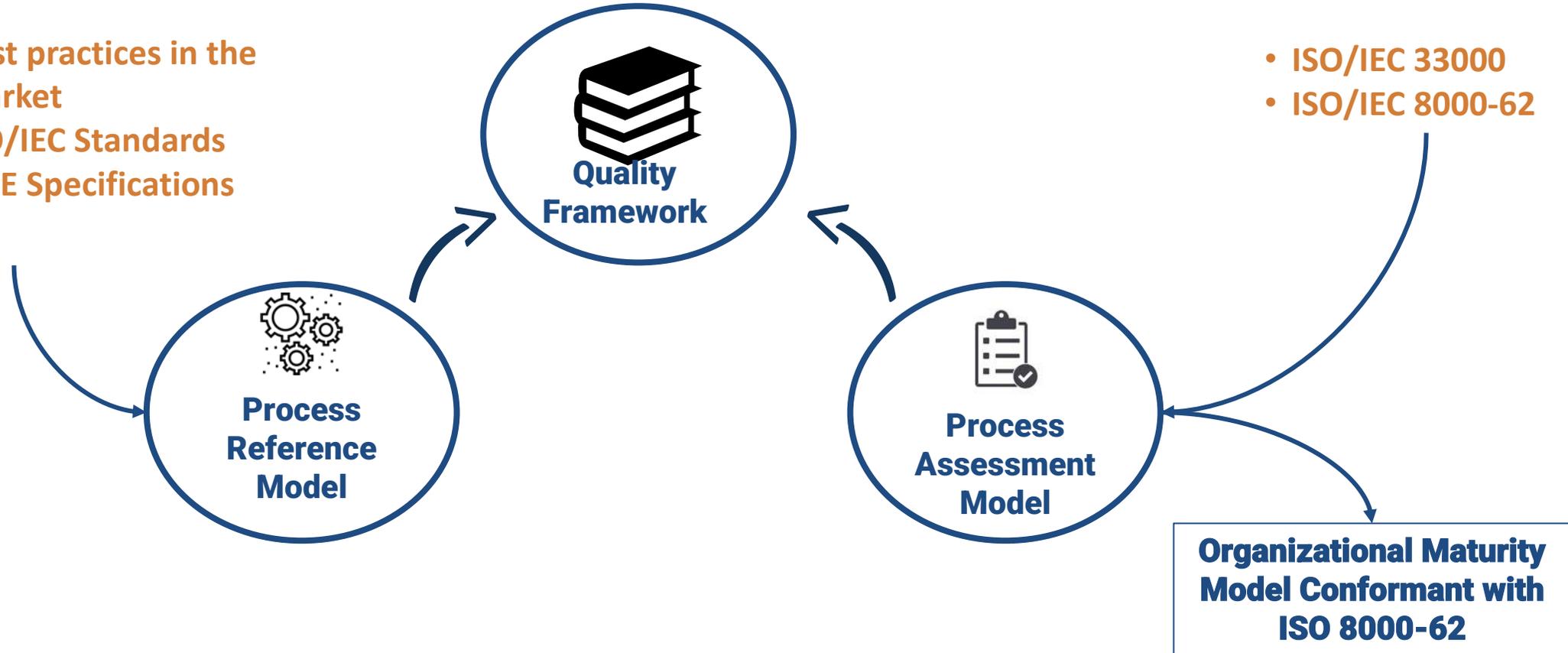
3.1. Process approach



3. Foundations of the framework

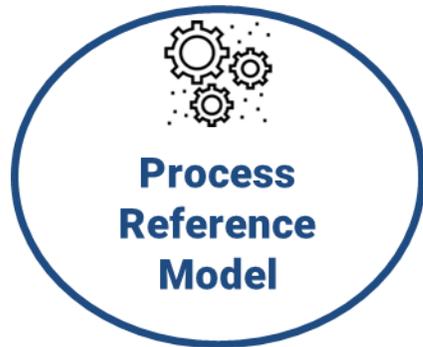
3.1. Elements of the framework

- Best practices in the Market
- ISO/IEC Standards
- UNE Specifications



3. Foundations of the framework

3.1. Process Reference Model



Data (space) governance processes

Data (space) management processes

Data product quality management processes

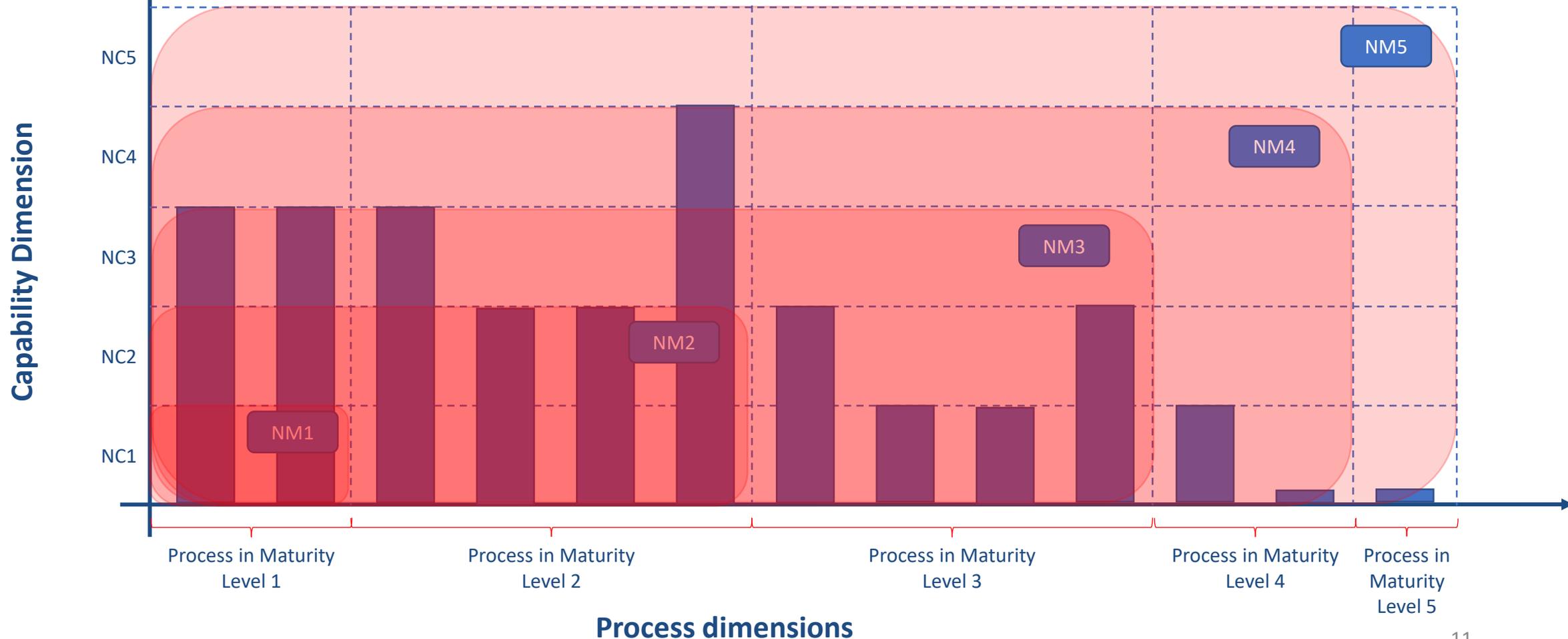
Supporting processes

3. Foundations of the framework

3.1. Process Assessment Model (2/2)



Bidimensional Assessment Model aligned to a  33000

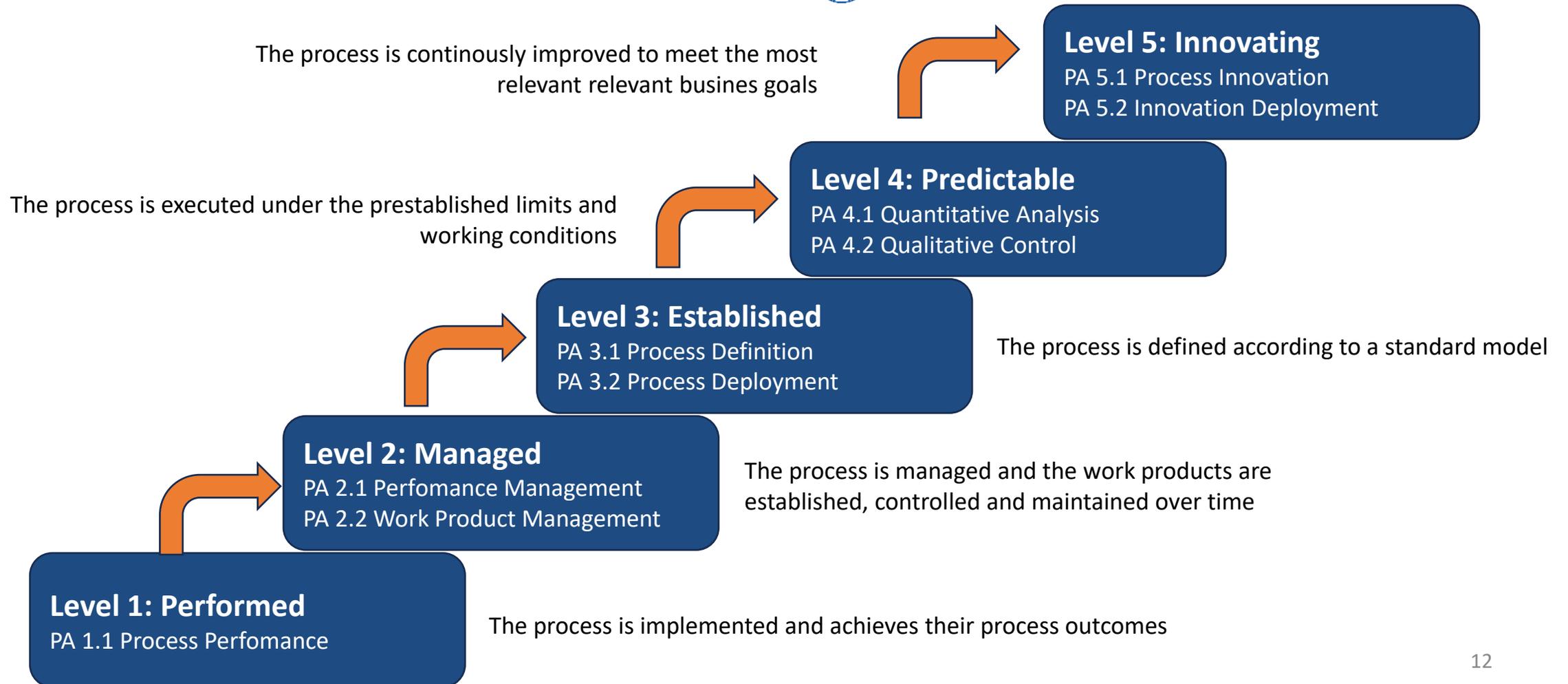


3. Foundations of the framework

3.1. Process Assessment Model (2/2)



Capability Dimension: Process Attributes (ISO 33000)



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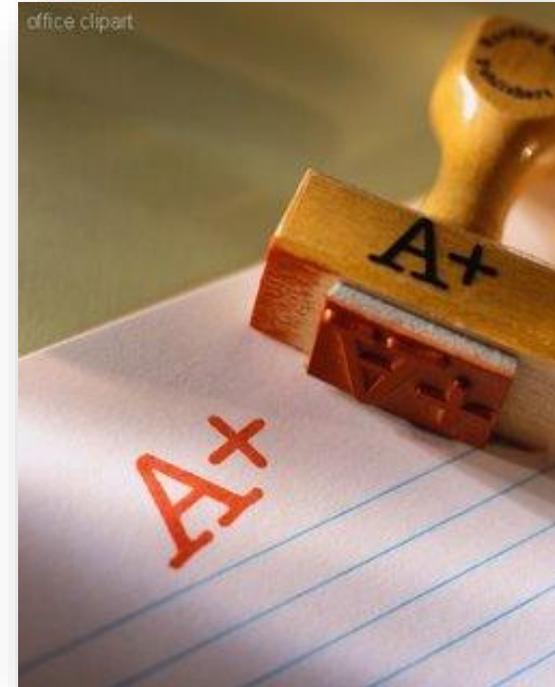
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4. Conclusions

4.1. Potential uses of the framework



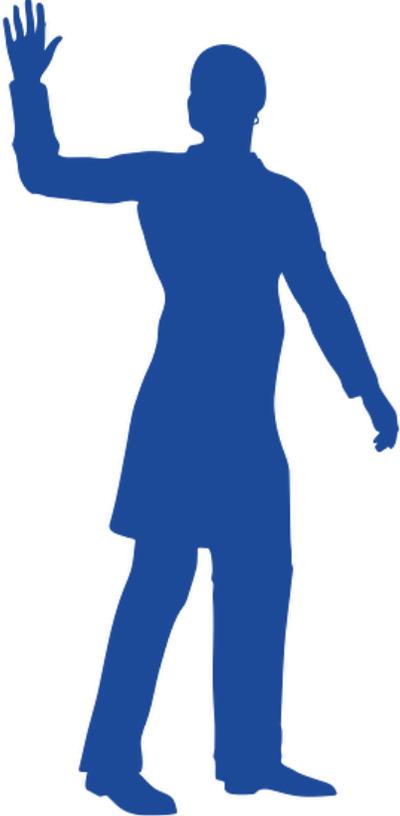
Design how organizations want to be involved in data spaces



Assess their quality of internal data governance, data management and data quality processes

4. Conclusions

4.1. Contributions to shape Europe



Experts' contributions encouraged to better shape future Europe

Any question?



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