



INFORMATION MANAGEMENT STRATEGY FOR SECURITY, QUALITY, AND INTEROPERABILITY



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UNWDF webinar on data interoperability

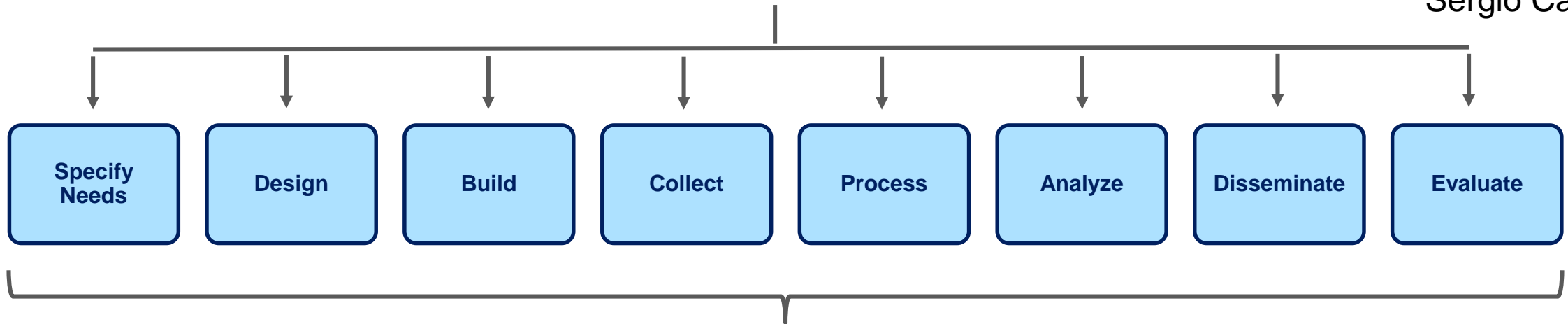
JUNE 2019

Information Management as Life-Cycle Management



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Roles and responsibilities



Evidence (metadata and knowledge management)

Need of a Data Governance Program under an Information Management Strategy for Security, Quality and Interoperability

Information Management

Conceptual framework

Goals:

SECURITY

- Confidentiality
- Integrity
- Availability

QUALITY

- Relevance
- Accessibility
- Timeliness
- Coherence
- Accuracy

INTEROPERABILITY

- Conceptual
- Technological
- Organizational

Components:

- Information Security System
- Operations security
- Human factor

- Process standardization
- Information evaluation
- Improvements management

- Modeling
- Technological solutions
- Governance

New data ecosystem



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Maturity Model for Enterprise Interoperability*



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Concerns	Barriers	Conceptual	Technological	Organizational
	Business		Business models, enterprise visions, strategies, objectives, policies	Infrastructure, technology
Process		Processes models	Tools supporting processes modeling and execution	Responsibilities, process management and rules
Service		Services models	Tools supporting services and applications	Responsibilities, service and application management and rules
Data		Data models, (semantic, syntax)	Data storage and exchange devices	Responsibilities, data management and rules

*Guédria (2012). A Contribution to Enterprise Interoperability Maturity Assessment.

Maturity Model for Enterprise Interoperability*



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*Guédria (2012). A Contribution to Enterprise Interoperability Maturity Assessment.

First steps



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Security

- Information Security Committee
- Rules and Policy

Quality assurance

- Quality Assurance Committee
- Rules and Policy

GSBPM implementation

- Model adaptation to INEGI and SNIEG
- Mandatory process documentation “as-is”

Metadata standardization

- National Metadata Network (statistics)
- Metadata Center (geography)