



ModernStats World  
Workshop 2022

# INEGI'S STATISTICAL AND GEOGRAPHICAL INFORMATION STRATEGY

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Belgrade,  
Serbia

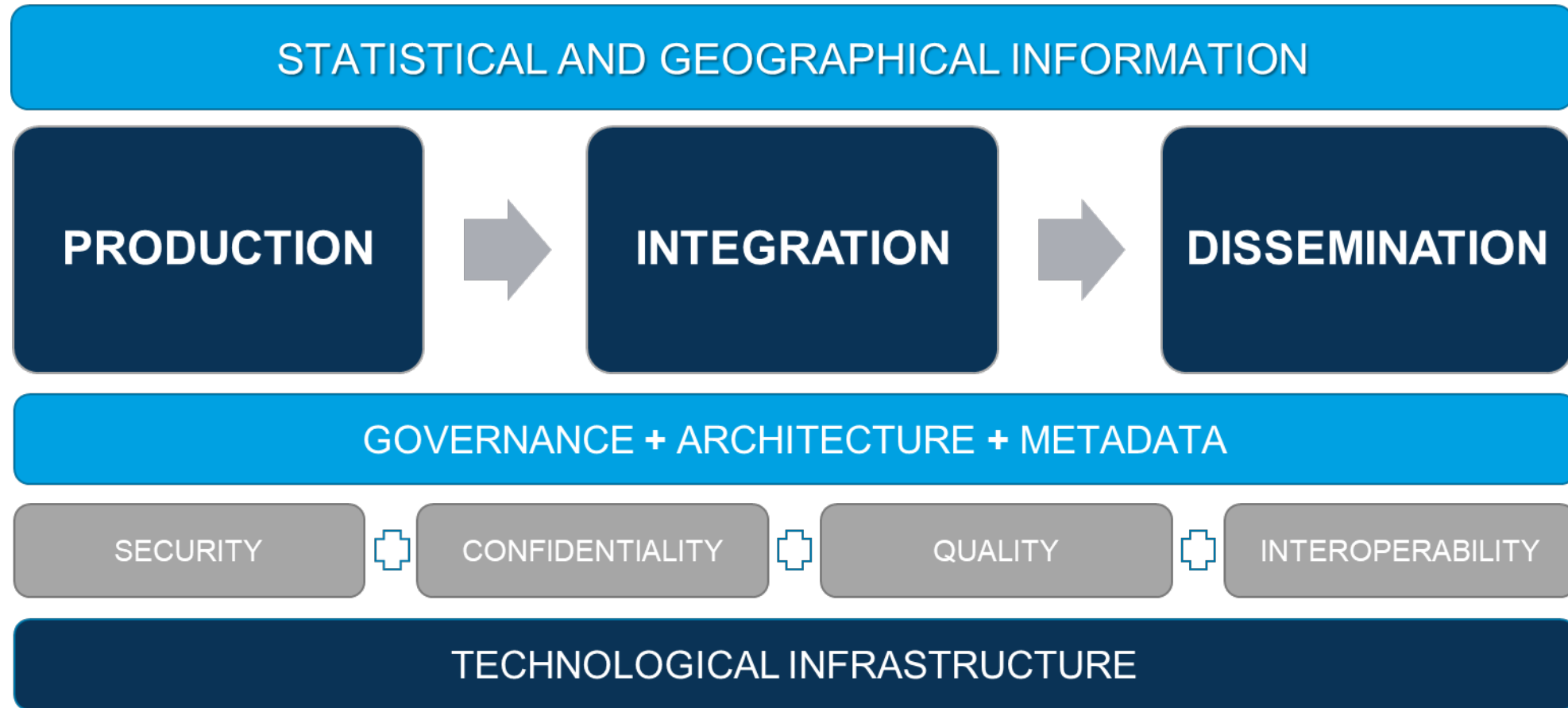
June 2022

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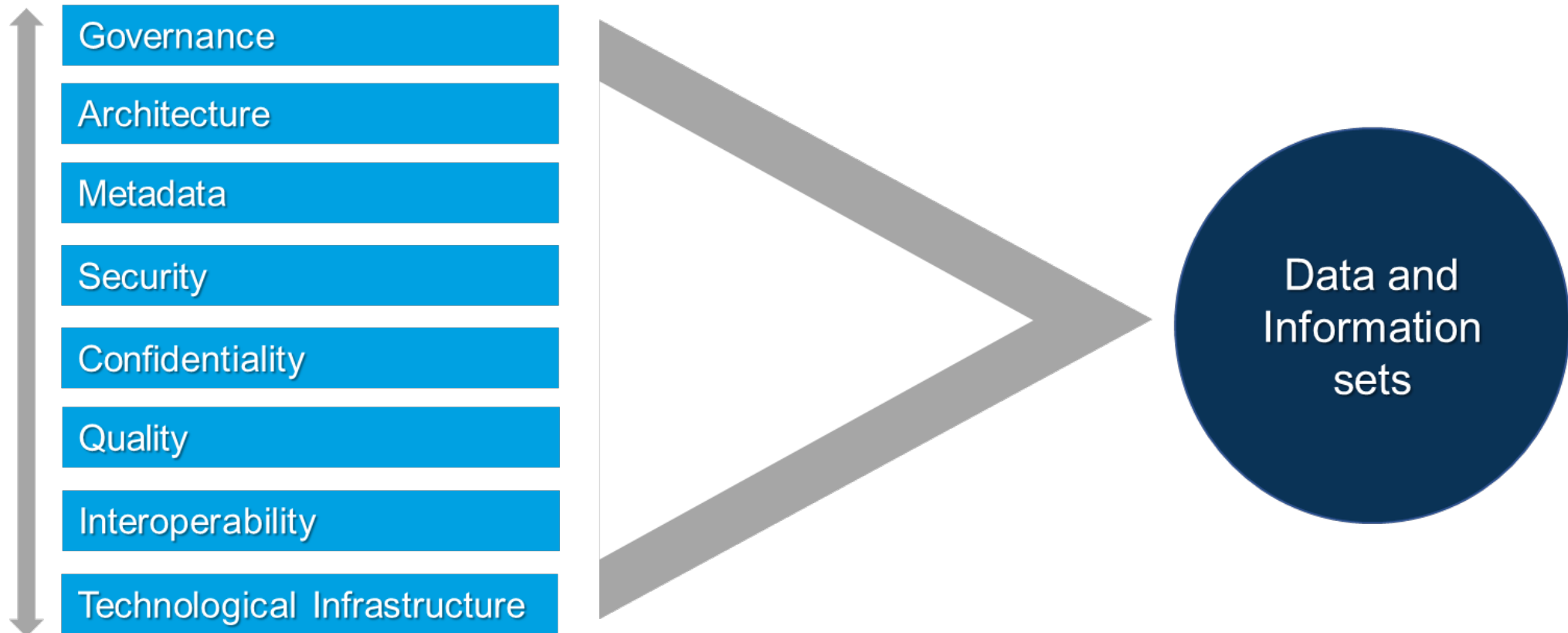
# GOAL

**To consolidate a data ecosystem that contributes to satisfy the needs of users of statistical and geographical information, and that complies with security, confidentiality, quality, and interoperability principles.**

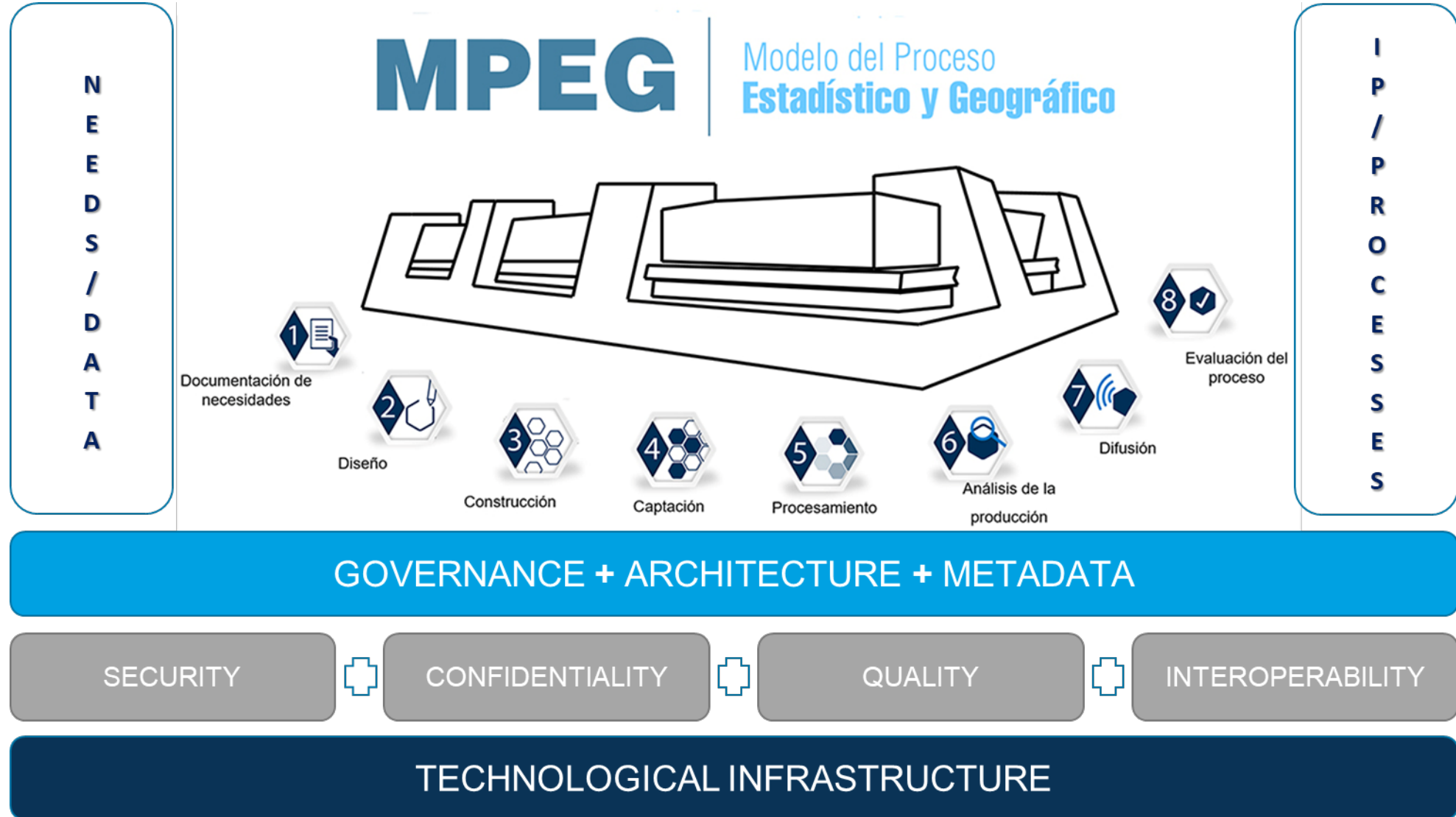
# STRATEGIC FRAMEWORK



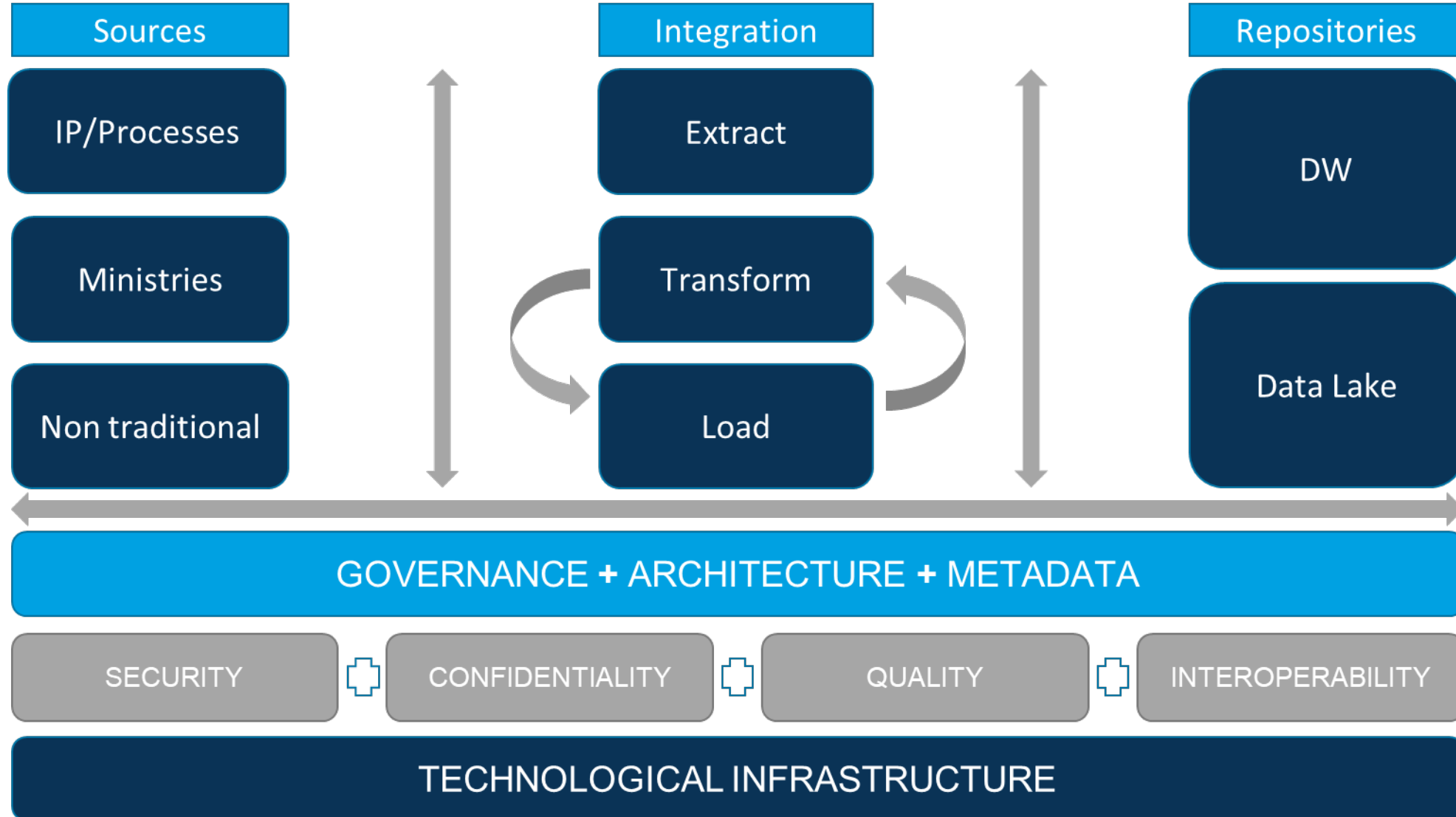
# CONVERGENCE OF FOUNDATIONS



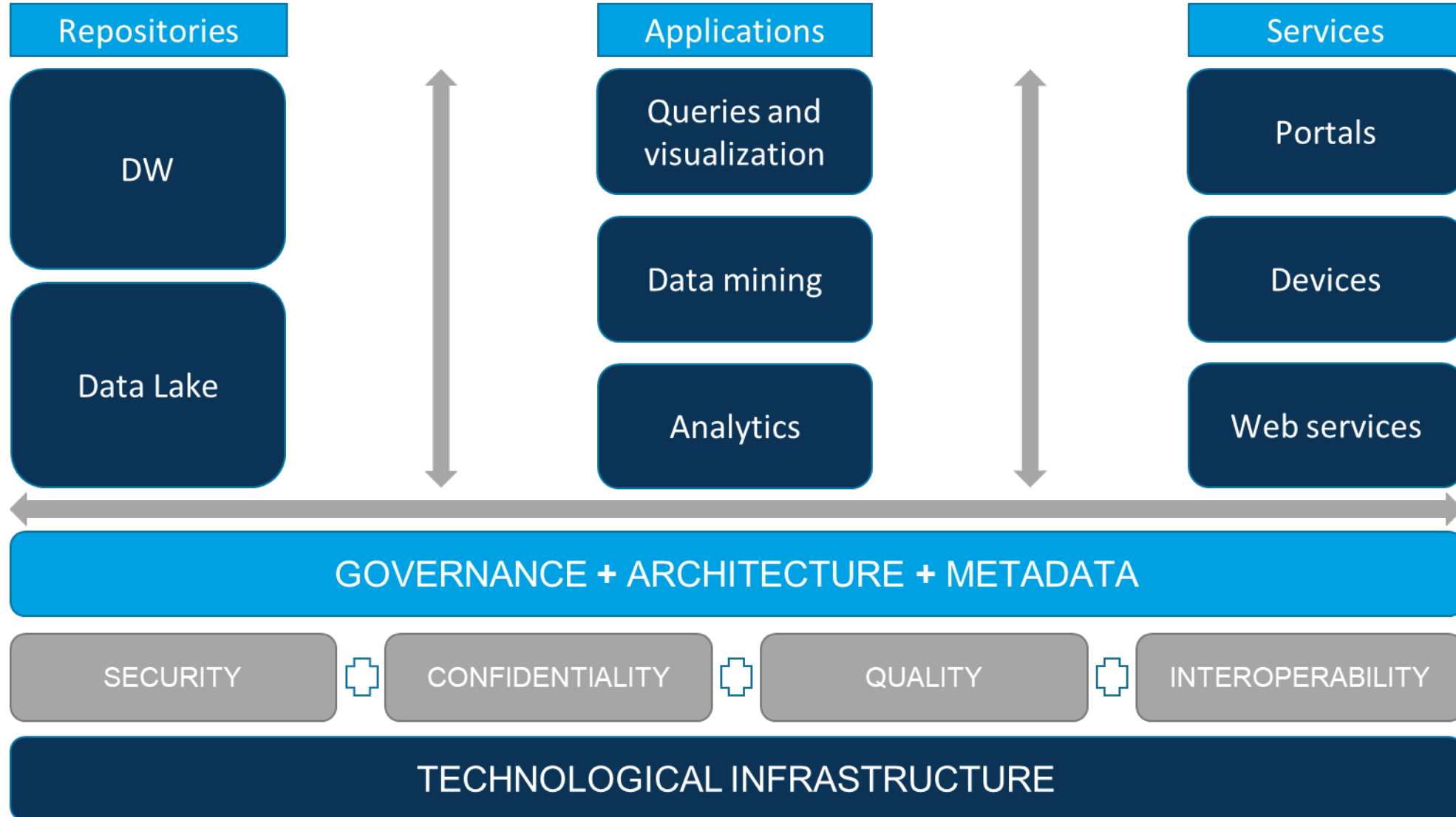
# STATISTICAL AND GEOGRAPHICAL INFORMATION PRODUCTION



# STATISTICAL AND GEOGRAPHICAL INFORMATION INTEGRATION



# STATISTICAL AND GEOGRAPHICAL INFORMATION DISSEMINATION



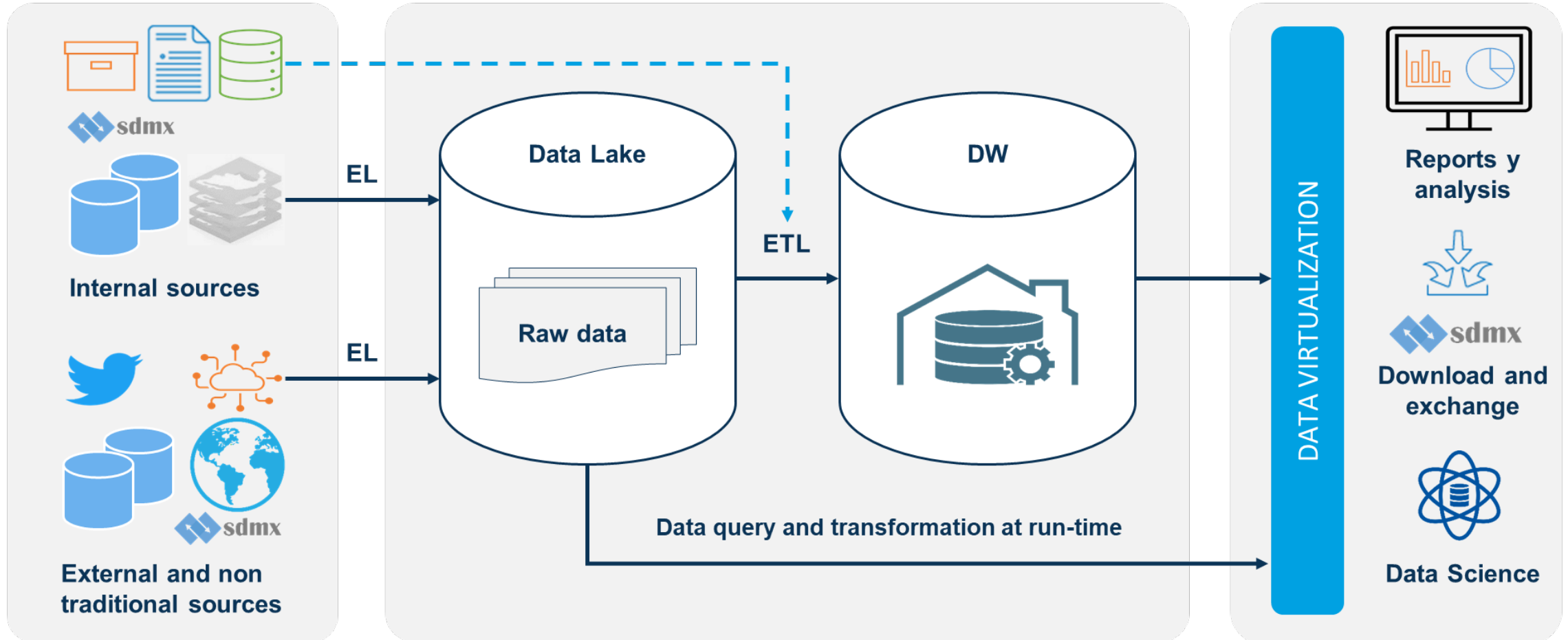


# CONSOLIDATION OF STRATEGIC FRAMEWORK<sup>8</sup>

## PRODUCTION

## INTEGRATION

## DISSEMINATION



GOVERNANCE + ARCHITECTURE + METADATA

SECURITY

CONFIDENTIALITY

QUALITY

INTEROPERABILITY

TECHNOLOGICAL INFRASTRUCTURE



# Roadmap

FOUNDATION	BASELINE	MEDIUM TERM	LONG TERM
<b>Governance and Architecture</b>	Regulatory framework; guidelines for surveys conceptual and sample design; operational systems (processes documentation, information programs inventory, processes' costs); general and specialized training; first set of processes' architectures.	Consolidation of regulatory framework, with guidelines for design phase and tools for standardized documentation; interoperability between production processes and programming, budgeting, and costs; training and communication integral strategy; architecture models by production method.	Production process and overarching activities are harmonized through an NSS-wise regulatory framework; consolidated data ecosystem that integrates non traditional data sources; architecture models that optimize data flows, exchange, consumption, and technological infrastructure.
<b>Metadata</b>	Metadata management strategy; regulatory reform proposal; initial development of new integrated metadata system.	Updated regulatory framework; integrated metadata system in operation; interoperable metadata initiatives for all production methods; training and communication integral strategy.	Metadata are consistently managed in production, integration, and dissemination; the integrated metadata system operated as the core of the ecosystem, assuring that data and metadata go hand-in-hand as part of the same information service.
<b>Security and Confidentiality</b>	Regulatory framework; information security inventory system in operation; specialized training; initial practices in line with MPEG (GSBPM).	Training and communication integral strategy; practices fully compliant with MPEG (GSBPM).	Interoperable practices and systems that contribute to strengthen information security and statistical confidentiality.
<b>Quality</b>	Regulatory framework; system in operation; product quality indicators for some production methods; general and specialized training.	System consolidated and interoperable with operational systems; quality indicators for all production methods and dimensions; training and communication integral strategy; evaluations catalogue.	Quality standardization, evaluation and improvement are done based on consistent and transparent evidence.
<b>Interoperability</b>	Interoperability model; first interoperability maturity assessment; information infrastructure usage analysis.	Regulatory framework; regular interoperability maturity assessment; information infrastructure inventory aligned with information programs inventory; data and metadata integration models; training and communication integral strategy.	Consolidation of regulatory framework; wide and consistent use of information infrastructure; standard-and-best-practices-based information services that ease interoperability.
<b>Technological Infrastructure</b>	Regulatory framework; platform-based integral strategy: ICT security, computer systems, data, computer services, and ICT infrastructure.	Regulatory framework harmonized with data governance that improves information management in production, integration, and dissemination, and facilitates application and services development institutionally-wise.	Transversal platforms react agile to production, integration, and dissemination needs and are a key factor of the data ecosystem accelerating innovation and best practices implementation.