



Statistical Data Governance Framework to Achieve Data Interoperability

Project Proposal

Workshop on the Modernisation of Official Statistics
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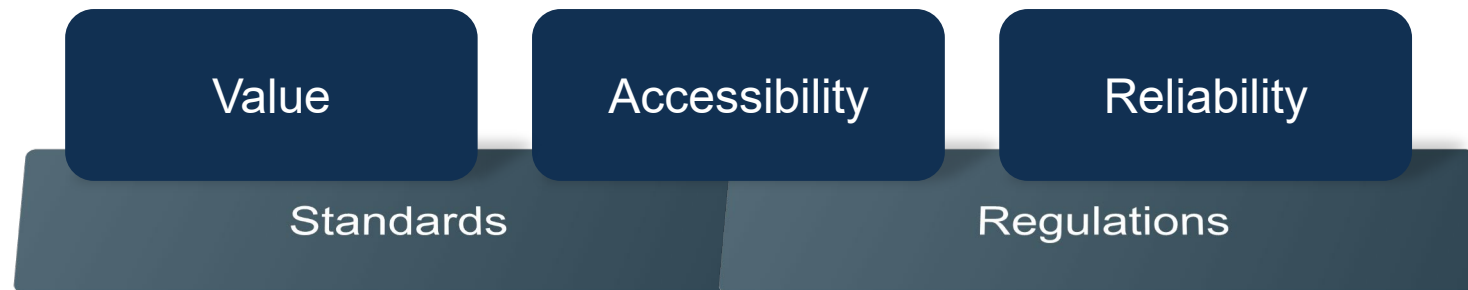
Data Governance

A data management function to ensure quality, integrity, security, and usability of the data collected by an organisation.

Eyurek et. All 2021

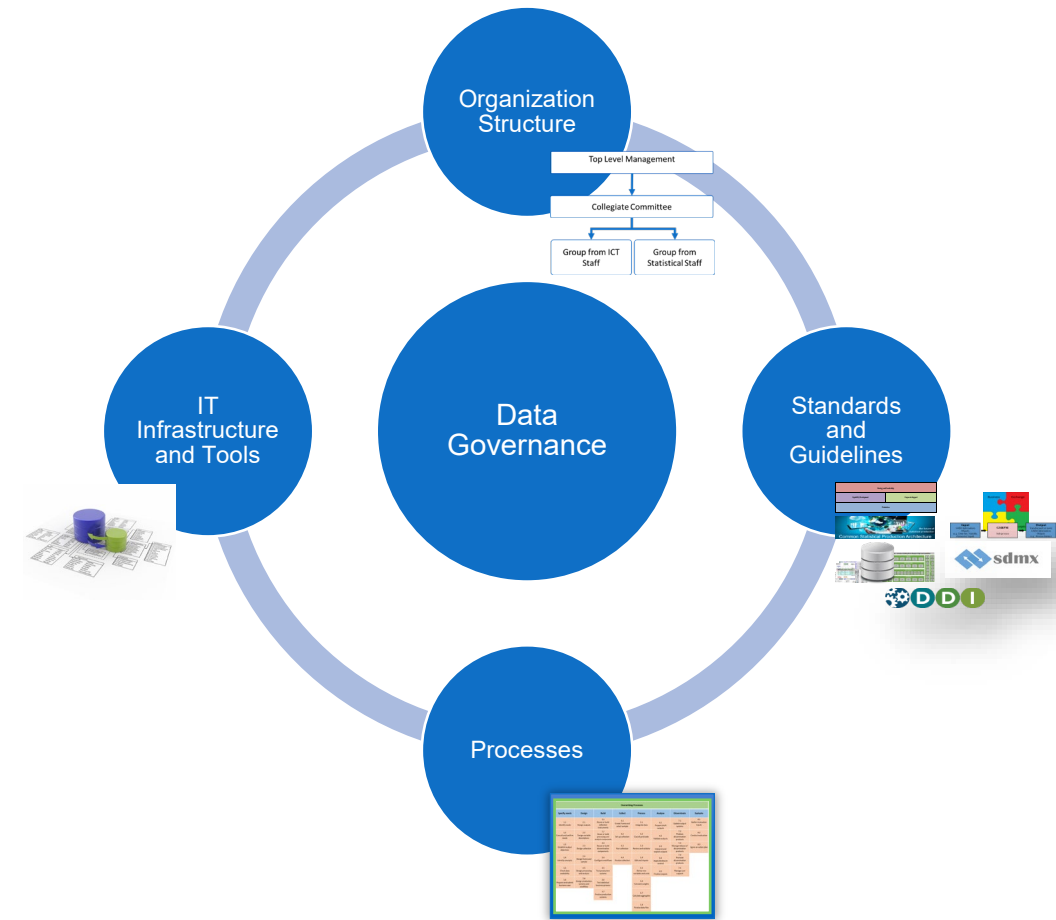
Purpose of Data Governance

Making data easily accessible to all users in a reliable way, providing the most value of it while taking care of the standards and regulations that are relevant



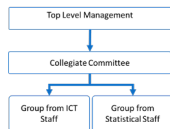
Project Goal

To produce a document describing a reference framework containing the main elements to implement a governance program focused on achieving data interoperability.



Components of the Proposed Framework

The reference framework will contain recommendations and guidelines focused on achieving data interoperability, focused on the following components:



A data government body.

Establishing a data governance body inside the statistical organisations to agree on conceptual decisions that are necessary to get data interoperability.



Standards, models and guidelines.

How to structure and use the existing models and standards produced by the ModernStat program and by other relevant projects like SDMX and DDI.



Processes

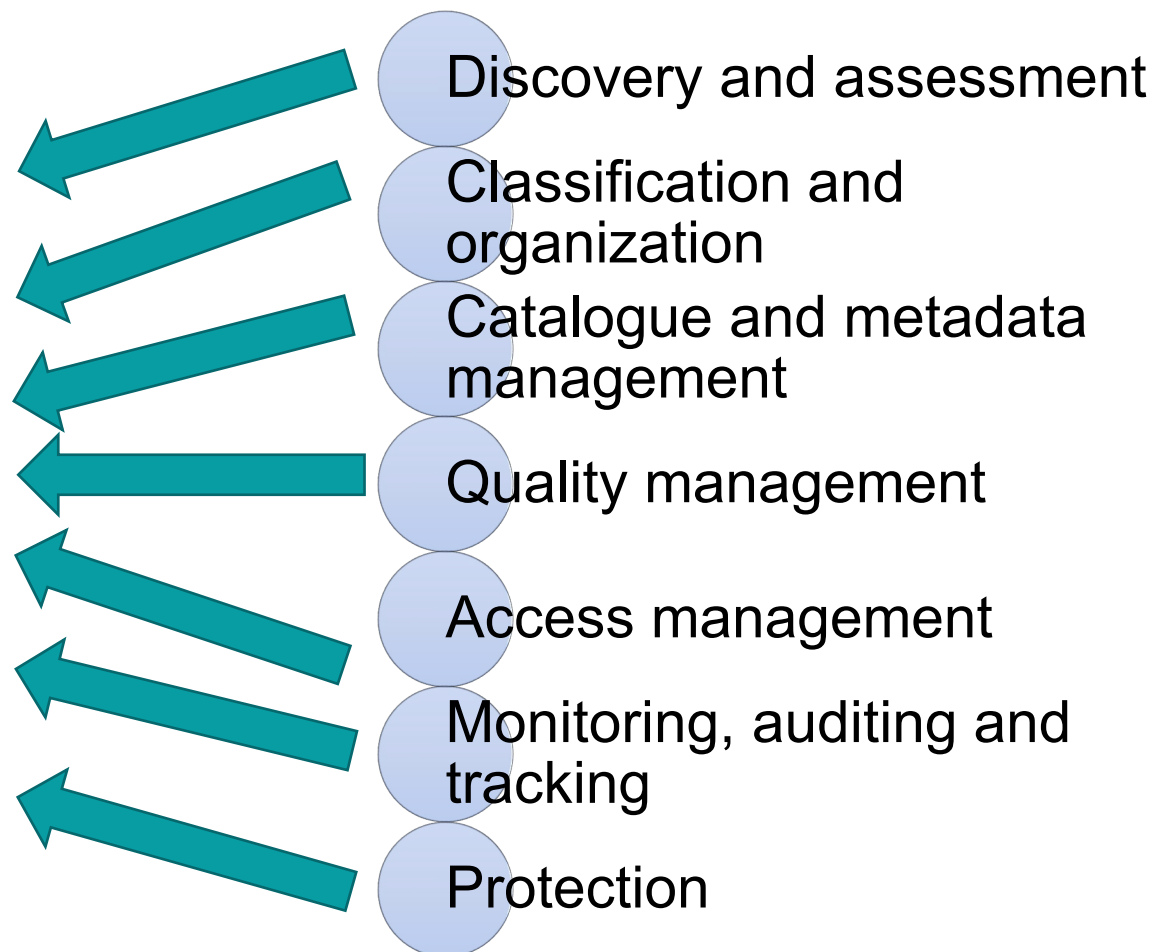
Core aspects that need to be covered during the phases and sub-processes described by the GSBPM to ensure that reliable data interoperability will be achieved by the statistical projects.



IT Infrastructure and tools

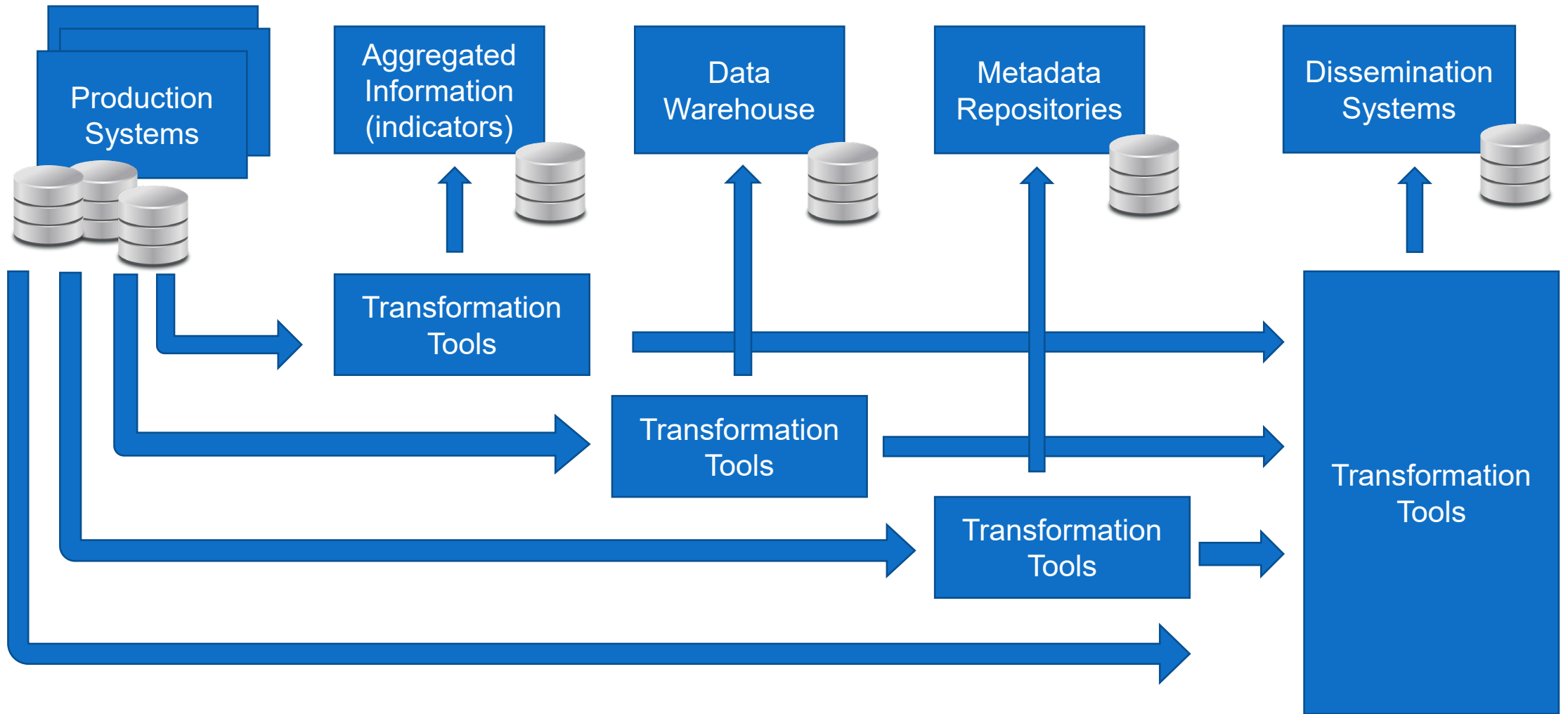
Recommendations about how to implement transversal platforms supporting data interoperability and able to set up concept-driven integrated information systems that have shared concepts and classifications, provide common views, and is supported by common reusable information services, applications and tools.

Potential Benefits Brought By A Data Governance Framework



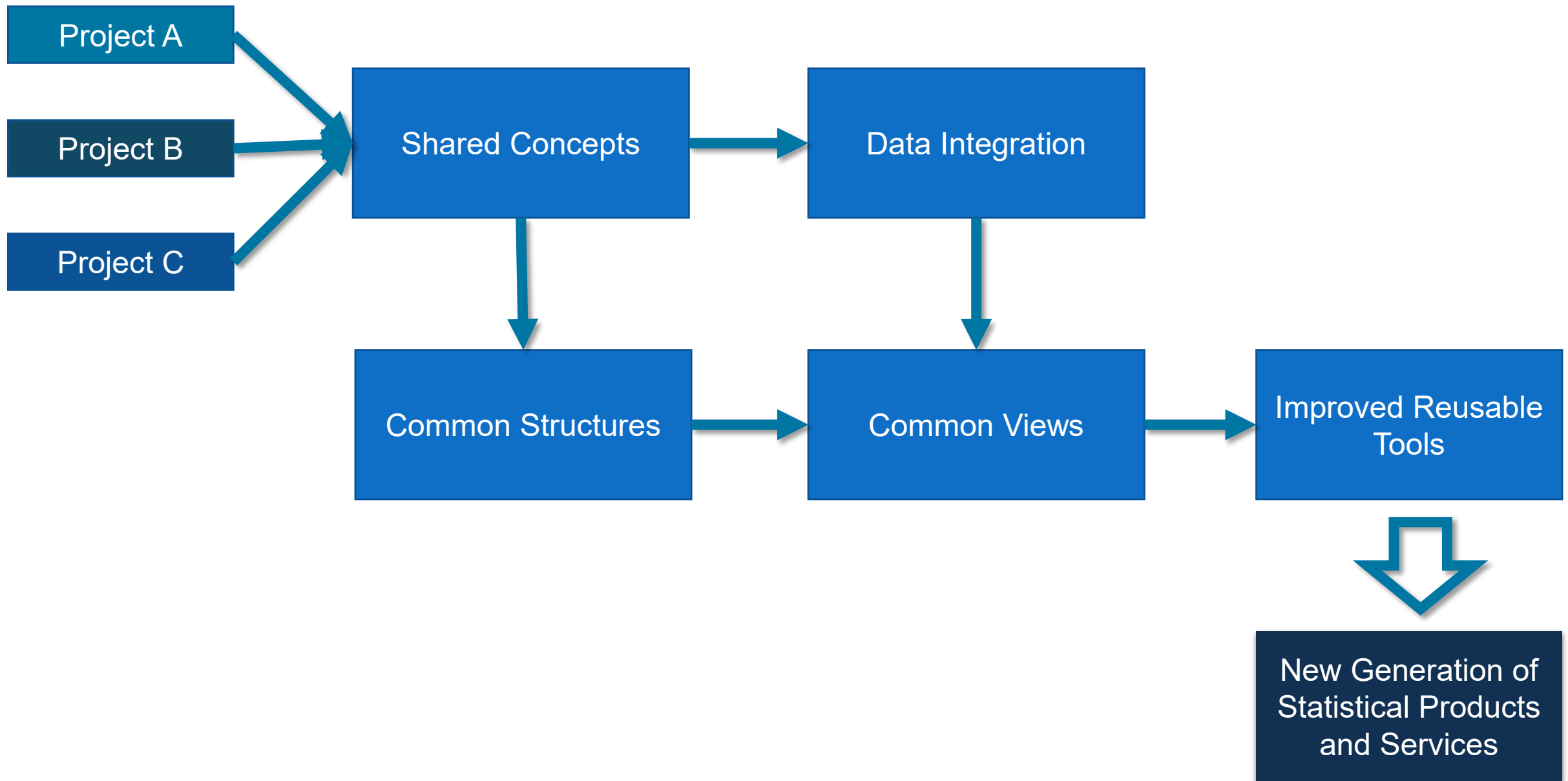
Data Interoperability

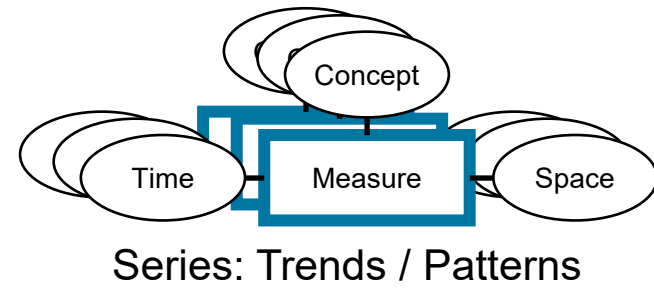
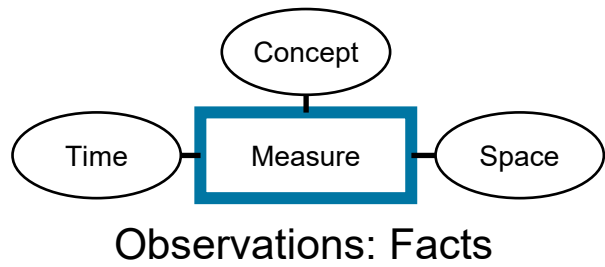
Ability to create, exchange and use data conserving its meaning and context independently of a given system or a set of them.



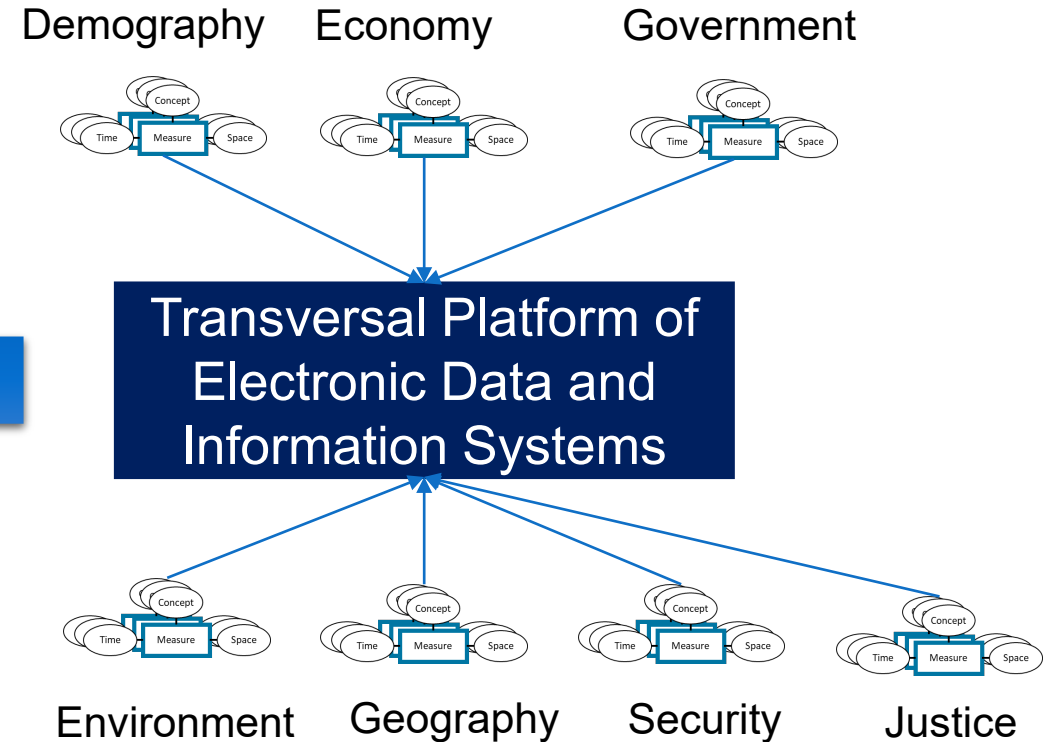
Difficulties to connect statistical information systems:

- Conceptual Silos
- Unstandardized classifications
- Formats transformation





Condition to get Data Interoperability
To be able to develop a new generation of information services able to connect data from different domains



Expected Benefits

Increase the value of the statistical information by establishing connections between the data from different domains

Reduce the costs by creating a way to effectively reuse information and tools

Improve the information products and services adding the capacity to create a new generation platform of systems and tools to enhance the analysis and dissemination of statistics satisfying complex emerging needs from the users

Improve data and metadata quality by making it more transparent, manageable and comparable.

Thank You

Comments, Questions, Any Feedback

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