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Panel – The Generic Longitudinal Business Process Model

NADDI 2013

Paper Just Published

- Generic Longitudinal Business Process Model
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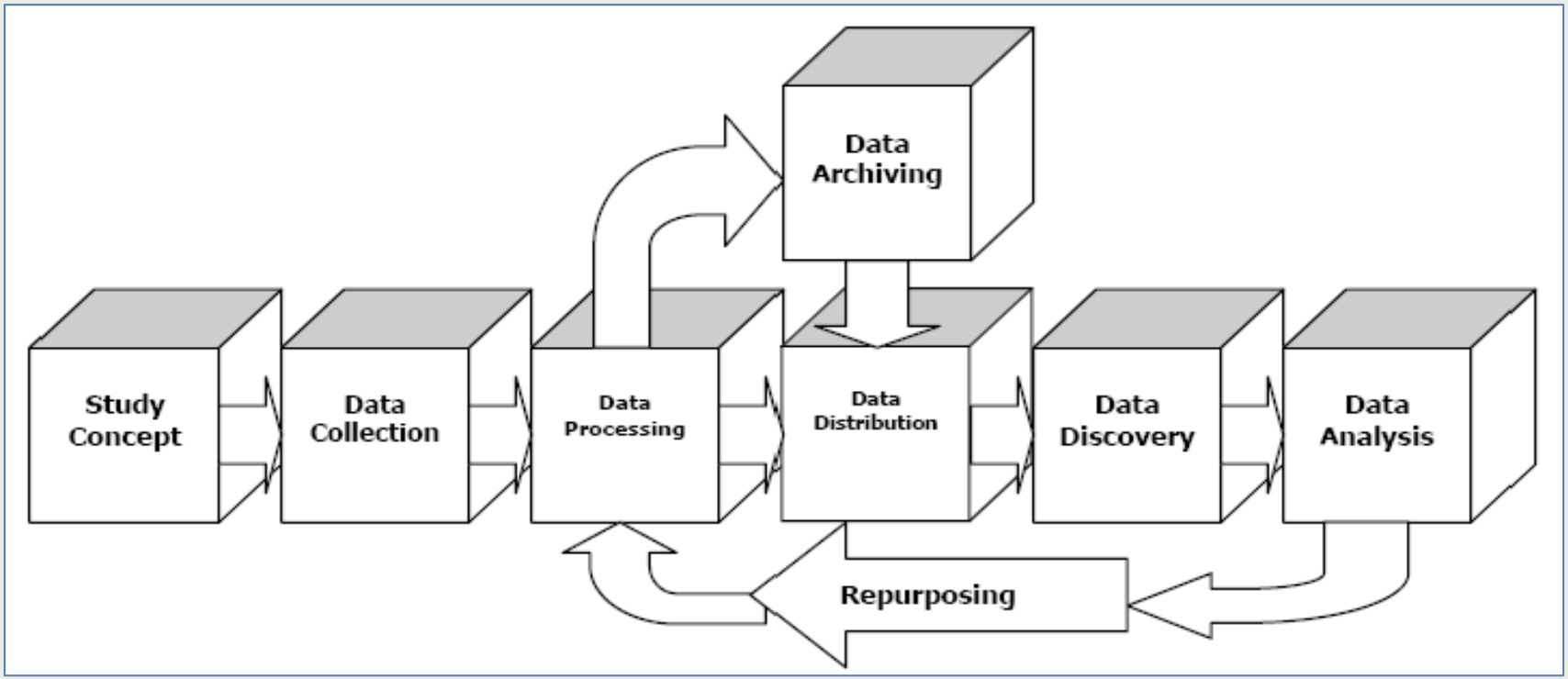
- The outcome of a workshop held at Schloss Dagstuhl - Leibniz Center for Informatics in Wadern, Germany (Dagstuhl Event 11382), September, 2011
- http://dx.doi.org/10.3886/DDILongitudinal05

Intent

- Generalized view of a longitudinal research project process
- Vocabulary to describe processes
  - Planning
  - Comparison and Harmonization of projects
  - Documentation of projects
  - Automation?

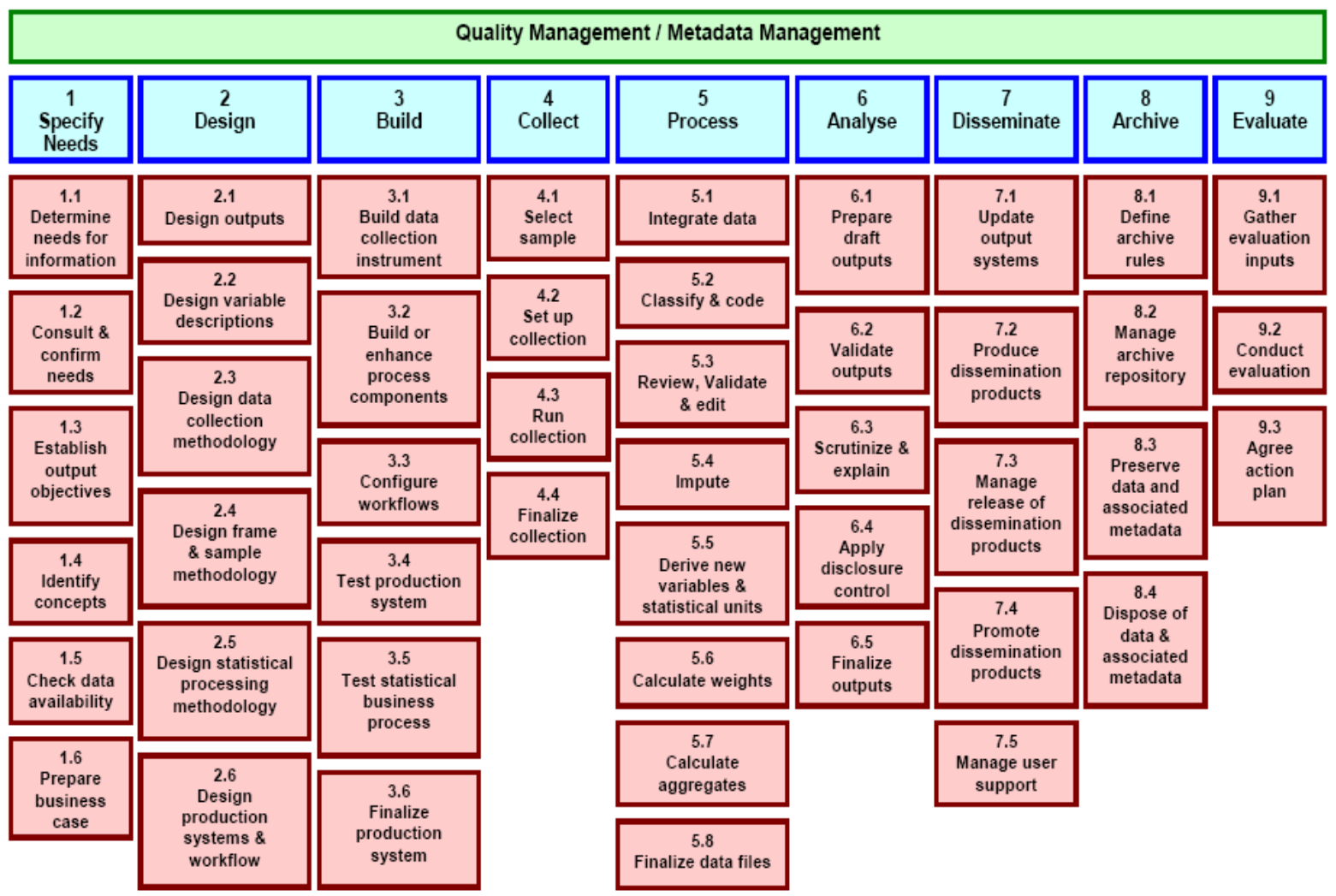
Background – DDI Lifecycle Model



Process, and data, and metadata flow

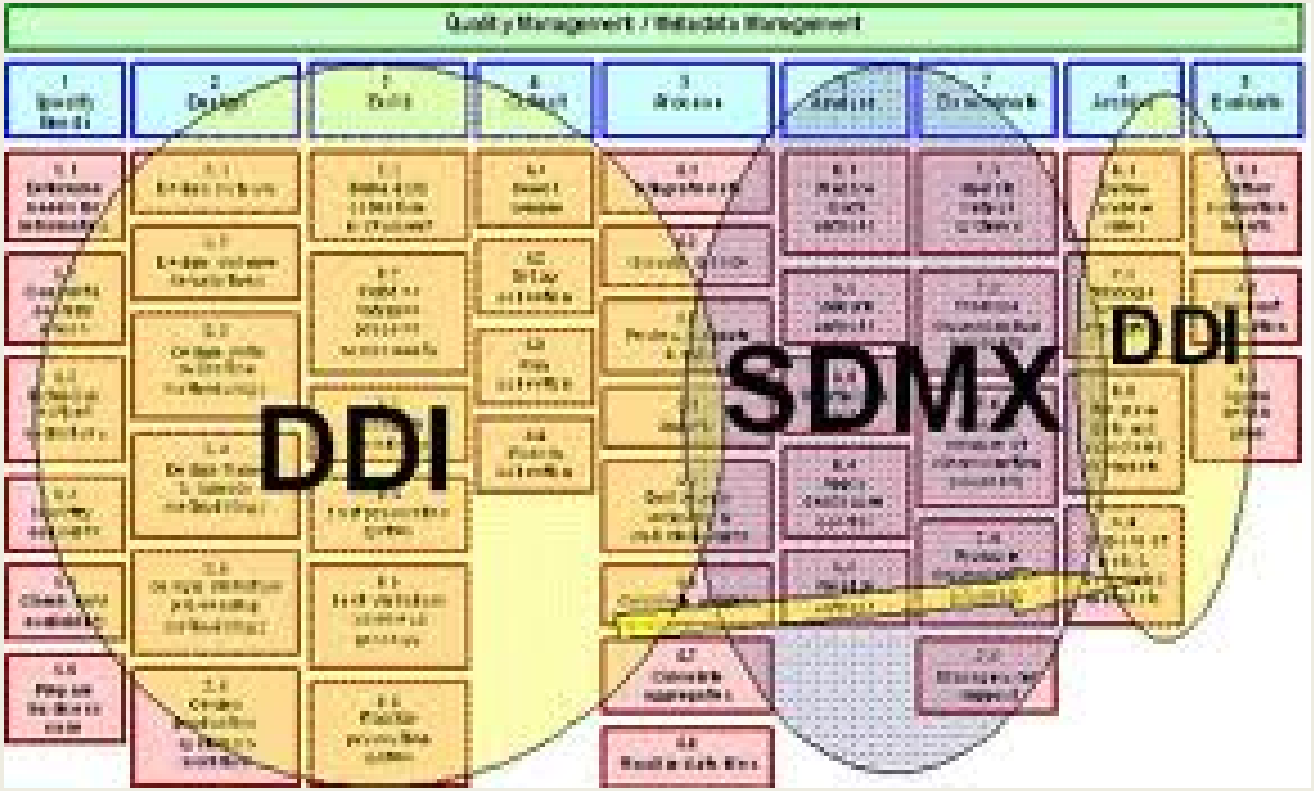
GSBPM (UNECE)

Generic Statistical Business Process Model



FROM: Generic Statistical Business Process Model Version 4.0 – April 2009
http://www1.unece.org/stat/platform/download/attachments/8683538/GSBPM+v4.0.doc?version=1&modificationDate=1256636086281

GSBPM, DDI, SDMX Relationships



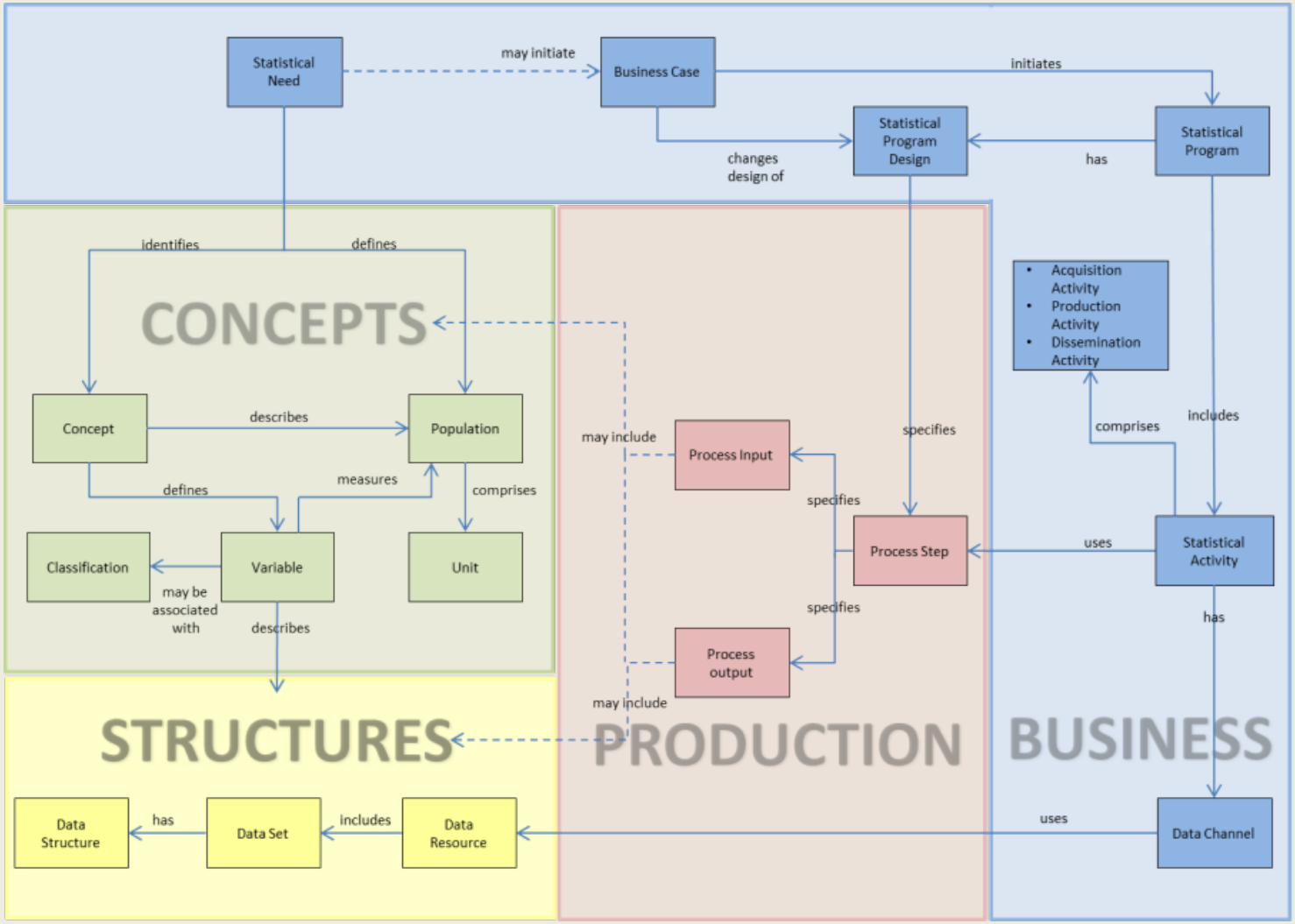
From: http://www1.unece.org/stat/platform/display/metis/Metadata+Flows+within+the+GSBPM

Generic Statistical Information Model (GSIM)

- "the first internationally endorsed reference framework for statistical information"
- "GSIM is a reference framework of information objects, which enables generic descriptions of the definition, management and use of data and metadata throughout the statistical production process. It provides a set of standardized, consistently described information objects, which are the inputs and outputs in the design and production of statistics."

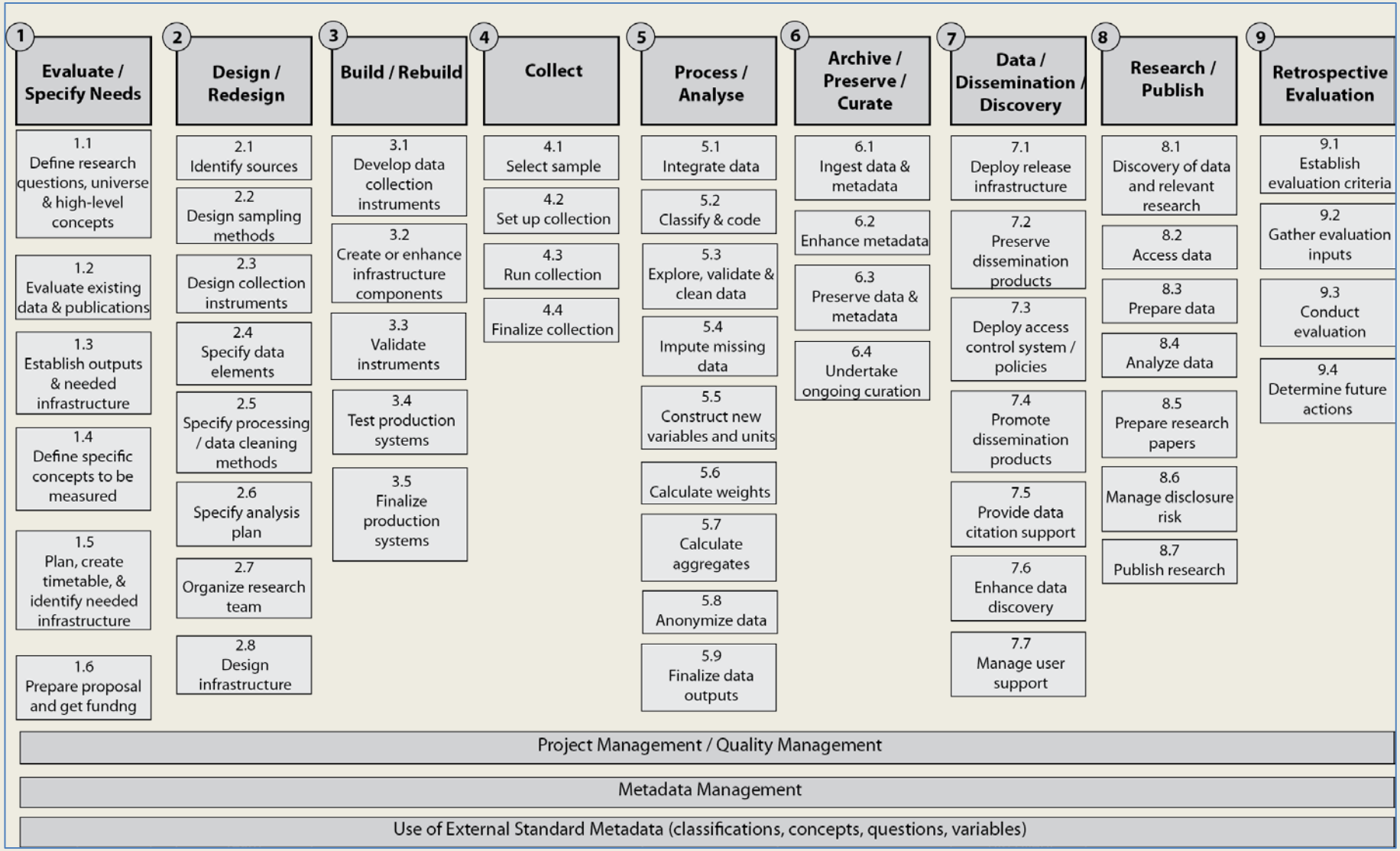
See: http://www1.unece.org/stat/platform/download/attachments/75563844/GSIM+Communication+1_0.docx?version=1&modificationDate=1356614772204

Generic Statistical Information Model (GSIM)

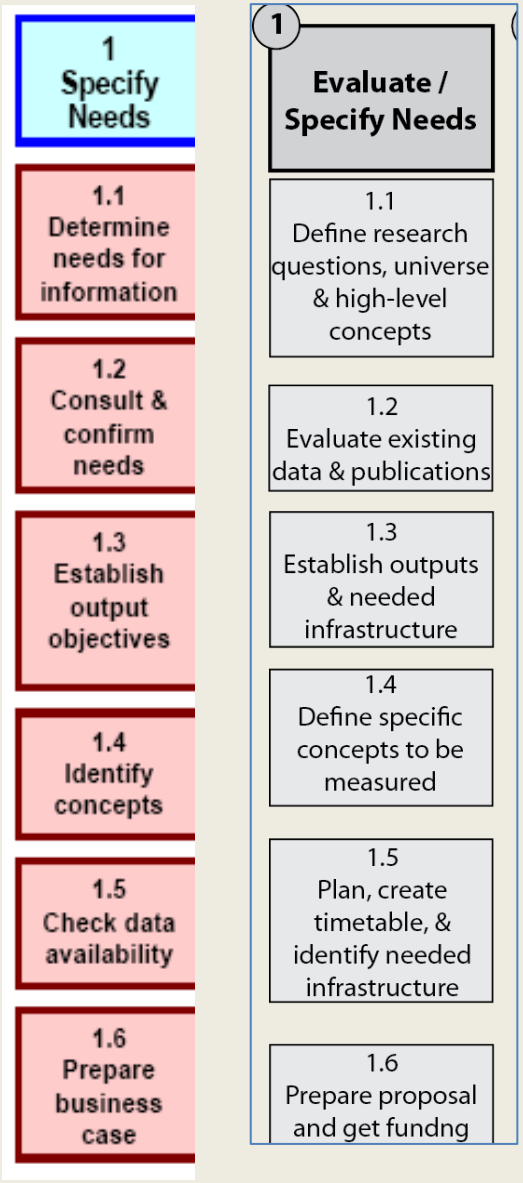


See: http://www1.unece.org/stat/platform/download/attachments/75563844/GSIM+Communication+1_0.docx?version=1&modificationDate=1356614772204

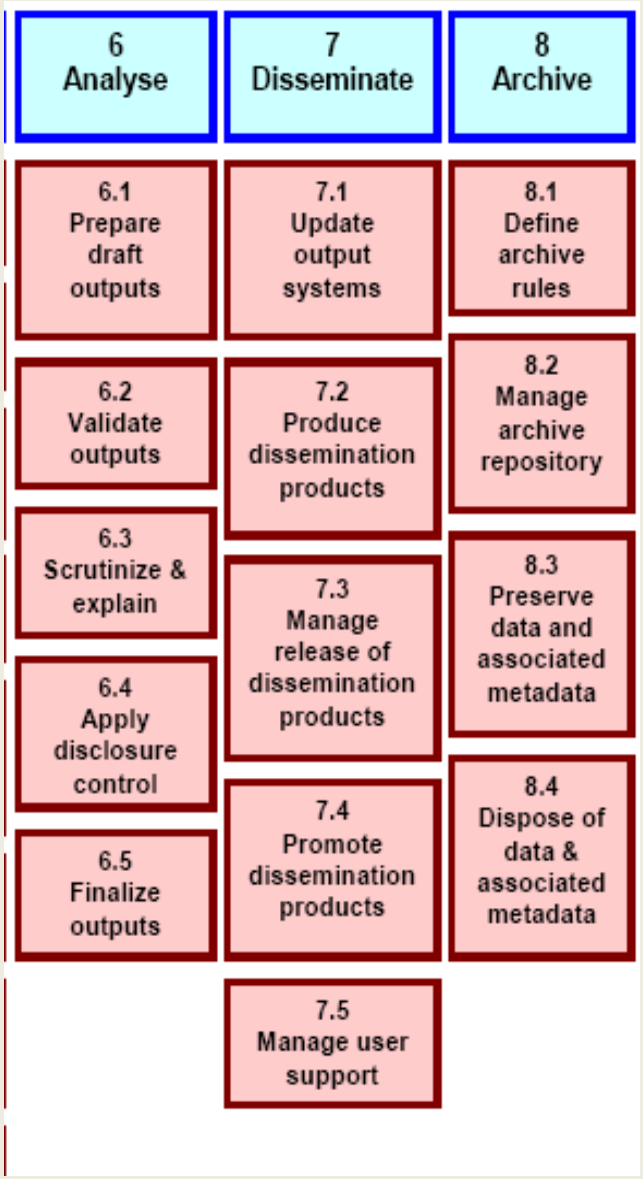
Generic Longitudinal Business Process Model

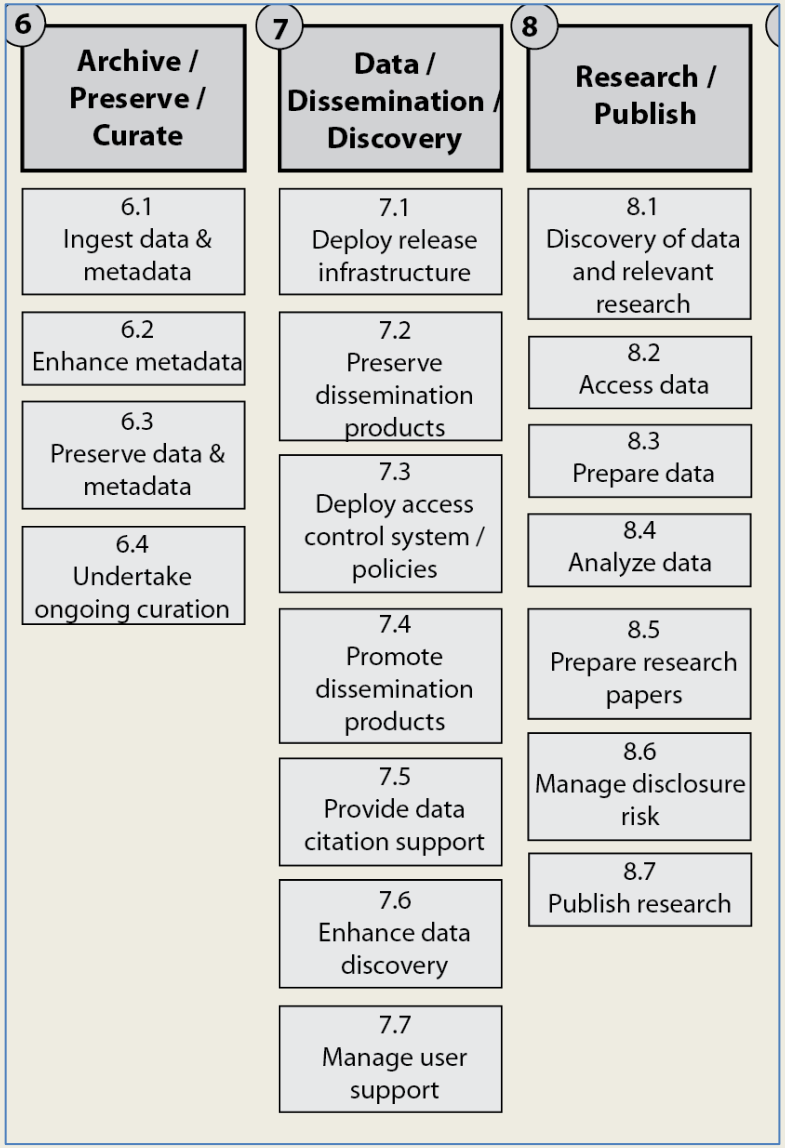


GSBPM vs. GLBPM

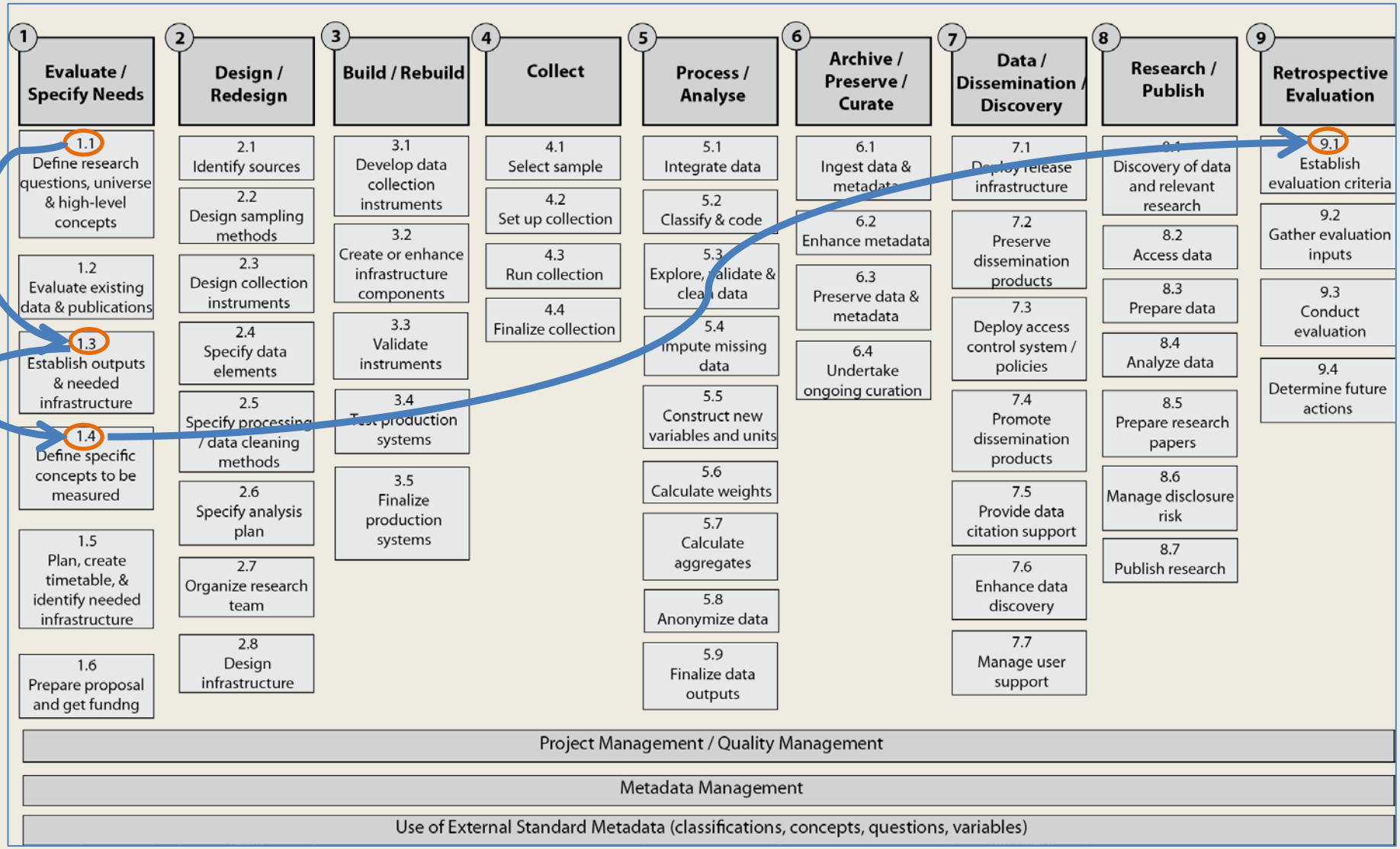


GSBPM vs. GLBPM



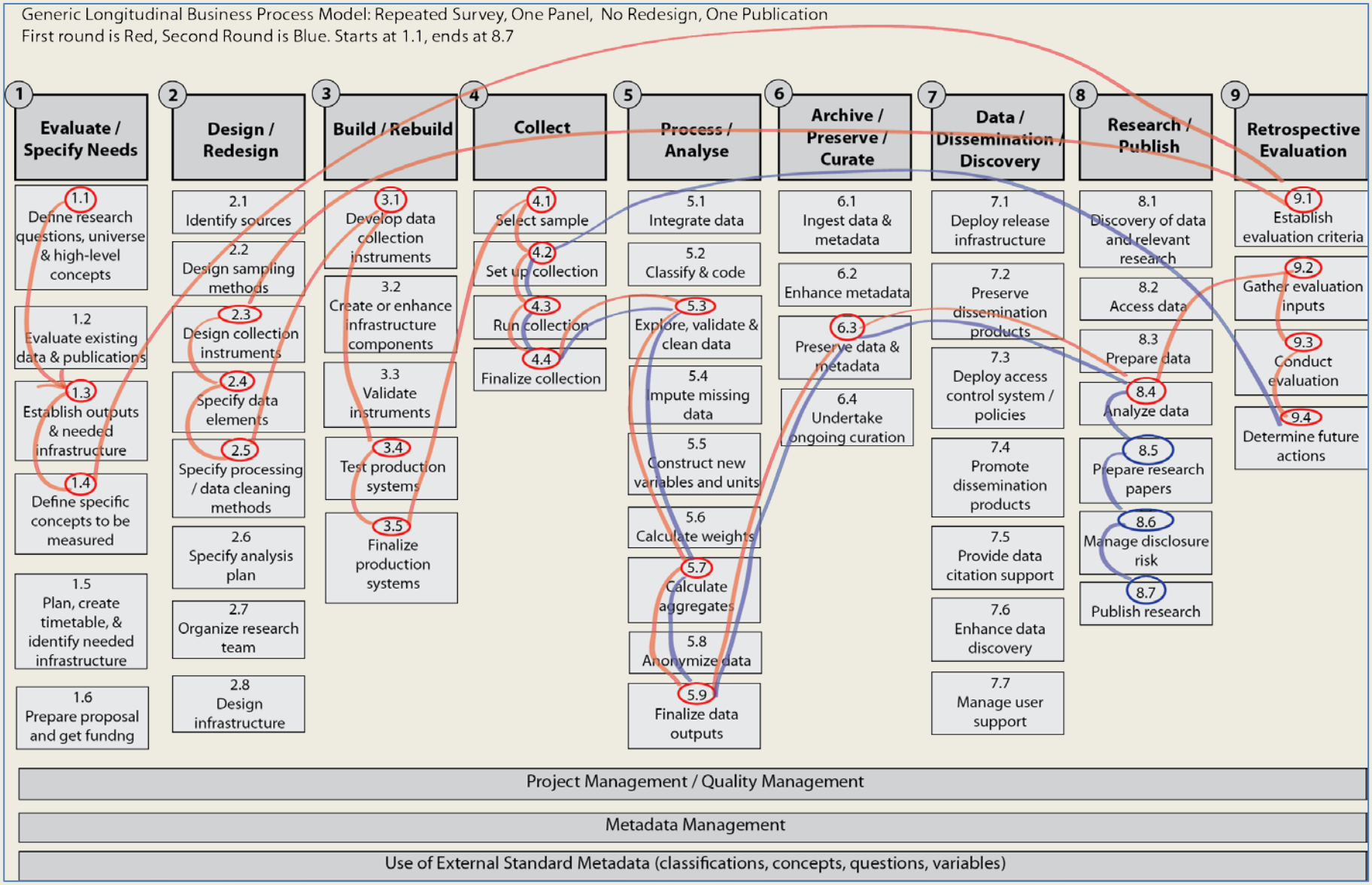


No Strict Sequence

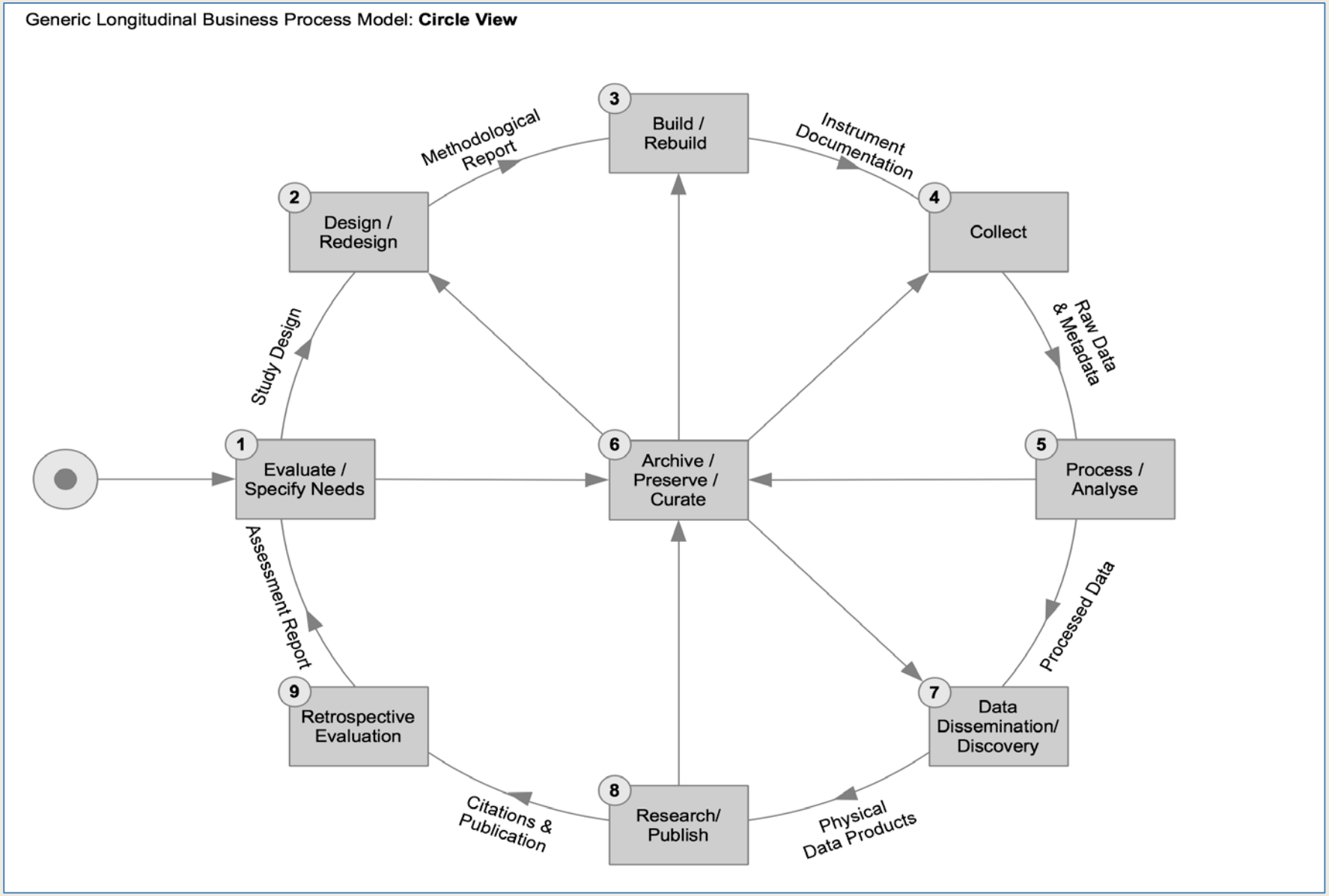


While the activities are numbered in a sequence, projects may use a subset of them in different orders.

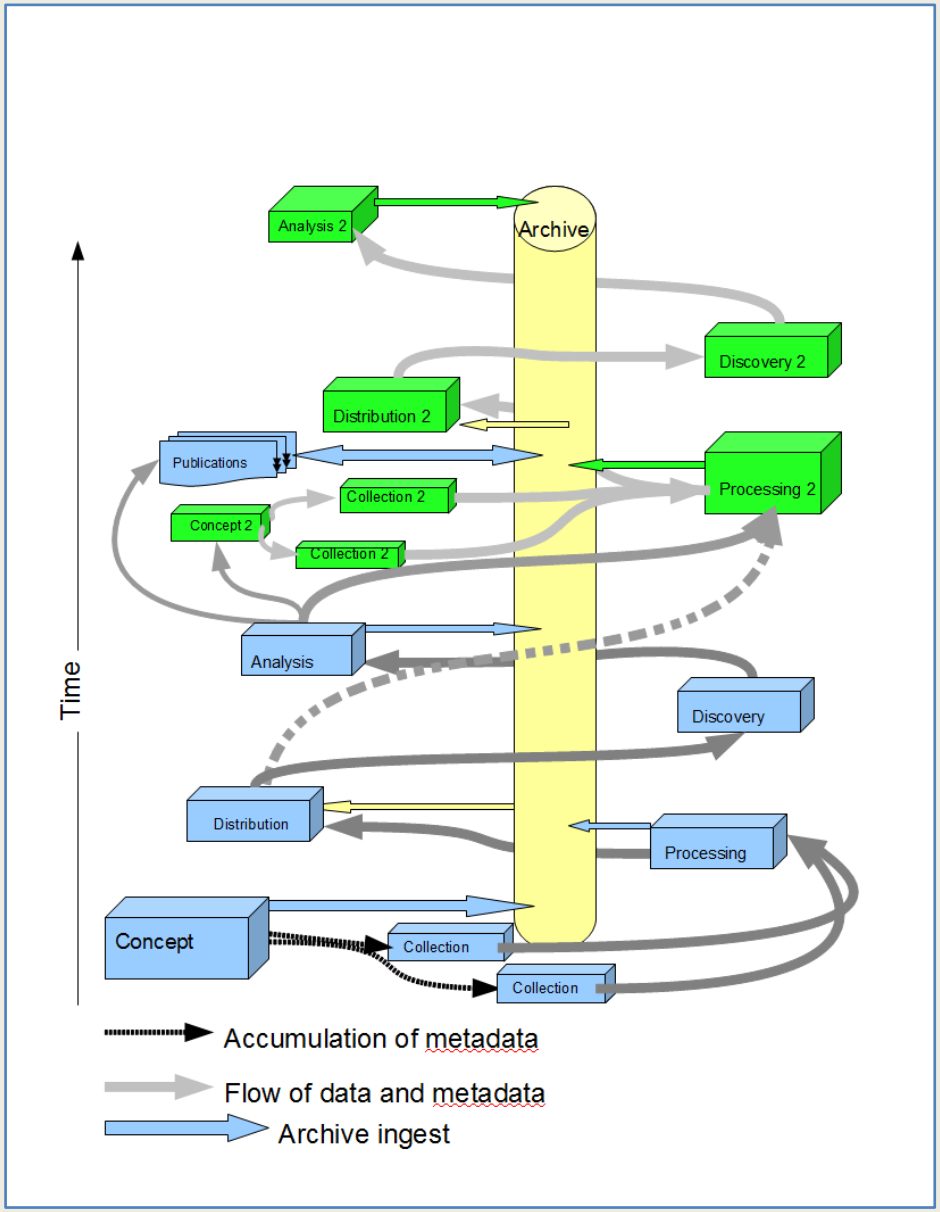
One Longitudinal Project Sequence



Circle View


Generic Longitudinal Business Process Model: **Circle View**
1
Evaluate / Specify Needs
2
Design / Redesign
3
Build / Rebuild
4
Collect
5
Process / Analyse
6
Archive / Preserve / Curate
7
Data Dissemination/ Discovery
8
Research/ Publish
9
Retrospective Evaluation
Study Design
Methodological Report
Instrument Documentation
Raw Data & Metadata
Processed Data
Physical Data Products
Citations & Publication
Assessment Report

Tornado View



Questions

- How do you see this model being used in your organization?
- Could this be useful to the independent researcher? (prompts for project planning?, writing methods section?)
- How does a process model like this fit with DDI?
- How might this be used to describe a sequence of steps, either planned or documenting something that took place?
- Where does GLBPM fit in with GSBPM and, especially now, GSIM?
- Could this lead to extensions to DDI to describe a sequence of steps/events?
- Would we ever want to include in the GLBPM biomedical research activities?
- Should paradata data collection be represented in the GLBPM?

More Questions

- One might call Slide 10 a "building block".
  - Can you define other "reusable" building blocks?

- Once you define a few of these building blocks can you assemble them to tell a few different stories -- like plug-'n-play or the gamification of GSBPM?