

## Benefits of Modernizing Statistical Production and Services

Reduction of today's time, cost and risk related barriers to innovation in statistical production processes. This facilitates harnessing new data sources and meeting demands for new products in a sustainable way.

Realisation of increased value from existing statistical assets through facilitating new uses - being able to more readily reuse and inter-relate existing statistical data and metadata to deliver additional products and services.

Greater automation of statistical production processes. This reduces production costs and supports redirection of resources to innovation activities.

A production environment that facilitates more readily shared and reused business processes, statistical methods and supporting IT components.

Improved communication about data and metadata, business processes and the methodological and technological solutions can lead to more efficient staff training, greater staff mobility and reduced risks of miscommunication.

For more information on:

Modernizing statistical production and services

<http://www1.unece.org/stat/platform/display/hlgbas>



Generic Statistical Business Process Model

<http://www1.unece.org/stat/platform/display/metis>



Generic Statistical Information Model

<http://www1.unece.org/stat/platform/display/metis>



# Standards Based Statistical Production

## The Vision



We see a future where the community of statistical organisations work together collaboratively.

We will be able to share and reuse common processes and methods, together with the IT components which allow them to be put into effect, within one organization and/or between organizations.

We will reduce the duplication of effort in regard to development and maintenance and support the sharing of “leading practice” solutions, potentially on a worldwide basis.

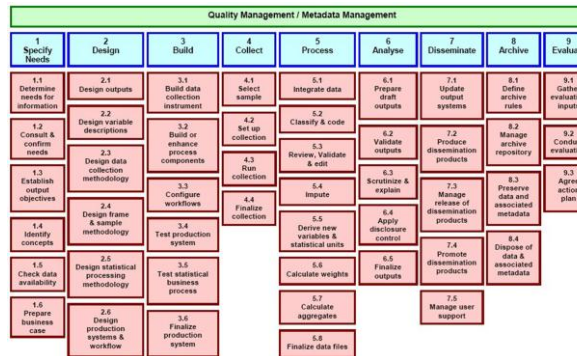
## How do we do it?

This standardisation will be realised through the application of Common Conceptual Frameworks and agreed ways to build practical methodological and technical solutions.

Being able to communicate in an unambiguous manner is a prerequisite for achieving co-ordination and collaboration across and within statistical organizations. In order to work toward generalised production of statistics in practice, we must first agree at the conceptual level.

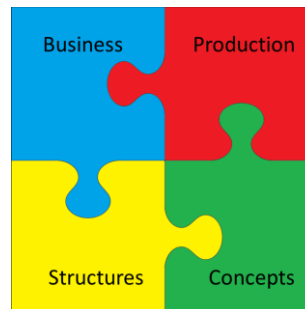
## Generic Statistical Business Process Model

Version 4.0 was released in 2009: It provides a common reference framework and set of terminology for discussing statistical business processes.



## Generic Statistical Information Model

Version 1.0 was released in 2012: The first major project initiated by the High Level Group provides a common set of terminology and a common conceptual model for statistical information.



## Moving to Generalised Statistical Production System

A project will begin in 2013 to define in practice how IT components which support statistical production processes can be designed in the context of a common statistical production architecture.

New statistical production processes could be assembled by selecting and configuring existing modules. This will remove barriers to innovation when modernizing existing statistical production processes.



This is a key enabler for sharing and flexible re-use of IT components within individual agencies and across the community of producers of official statistics as a whole. In the future, designers of new processes, methods and components should be designing with a view to eventual sharing and re-use by other organizations.

While realising a fully Generalised Statistical Production System in practice is a long-term goal, it is important to note that each step along the way supports modernisation of statistical production in its own right.