

Streamlining the Statistical Production in TurkStat

High Level Seminar for Eastern Europe, Caucasus and Central Asia Countries (EECCA) on
“Quality in Statistics: Metadata”

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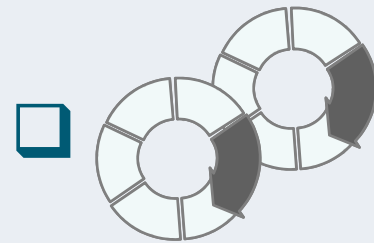
Fatih SAHIN
Turkish Statistical Institute
fatihshahin@tuik.gov.tr

Content

- Background
- Awareness of need for a Renewal in Statistical Production
- “Institutional Architecture” as an Approach
- TurkStat Draft Statistical Business Process Model (National Implementation of GSBPM)
- The Statistical Metadata System
- Experiences
- Future Plans for Development

Background

☐ Stove-pipe production



☐ Process-based production

☐ Increasing demand for high quality statistics to cope with;

- Budget cuts
- Intensified competition
- Consequences of globalization
- Request for reduced response burden

Awareness of need for a Renewal in Statistical Production

- What is our production cost per statistics?
- How can we make data collection more efficient and cost-effective?
- Where resources are spent?
- How do we produce statistics? Are there defined or written process manuals/guidelines for statistical production?
- How to develop a statistical metadata system?
- What about the quality? Do we produce high quality statistics?
- How can we provide the quality assurance?
- Do we take into account the user needs?
- Are we successful in delivering our products to end users?



Main Precautions for Streamlining the Statistical Production



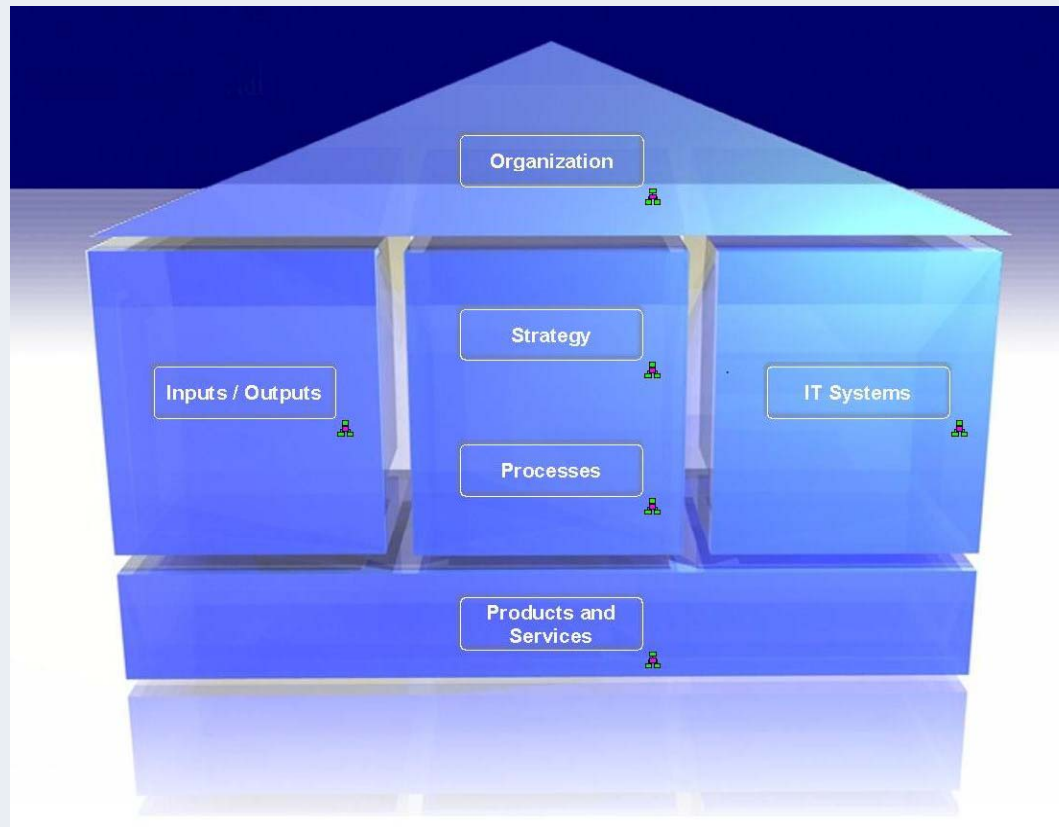
- Processes should be standardized and a knowledge driven approach should be established.
- Harmonization of products and data integration should be provided by a strong structure of statistical metadata system.
- Organizational structure should become more effective.
- Administrative data should be used as much as possible.

Actions for Streamlining the Statistical Production



- Process modeling and standardization studies launched in 2010
- Establishment of statistical metadata system studies launched in 2011

“Institutional Architecture” as an Approach



- Holistic perspective
- Effective analysis of all the elements
- A dynamic structure

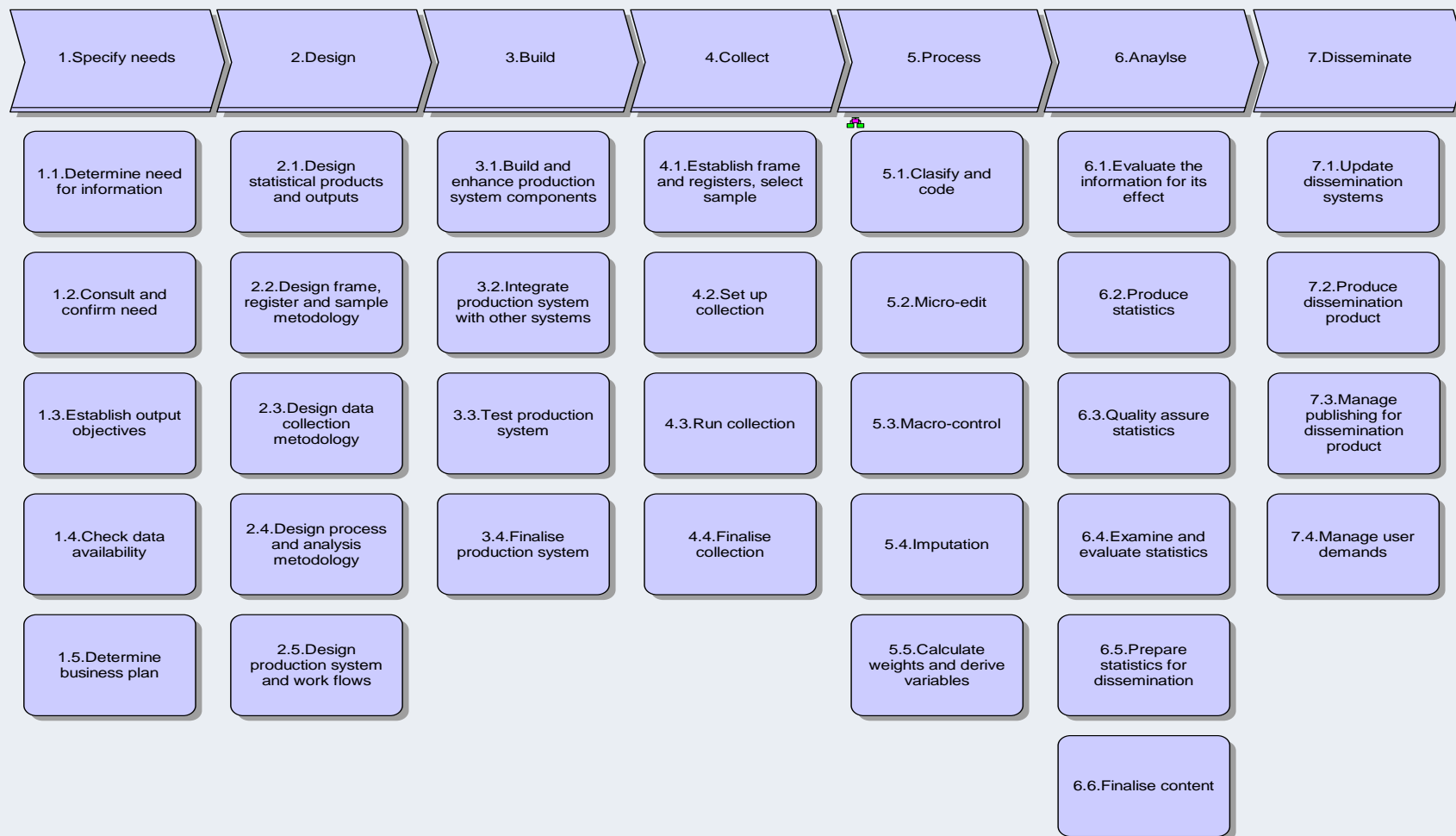
Modeling and Standardization of Statistical Business Processes

Reasons for Needing a Model:

- To have a well organized road map at the beginning
- To have a common process terminology
- To define, describe and map statistical processes in a coherent way
- To provide a structure for standardized documentation
- To provide a structural basis for measuring operational costs
- To have an opportunity to benchmark or peer review processes with other organizations
- To ensure jobs not dependant on staff
- To ensure the transfer of institutional culture to future generations
- To provide a framework for process quality assessment and improvement

TurkStat Draft Statistical Business Process Model

(National Implementation of GSBPM)



TurkStat Draft Statistical Business Process Model

(National Implementation of GSBPM)

- ❑ The draft model was created by Strategy and Quality Group in order to put a framework for guidance.
- ❑ GSBPM provided the basis for the draft model; nevertheless it was mostly influenced by the model developed by Statistics New Zealand and Statistics Norway.
- ❑ First two levels are mostly generic but the third and especially the fourth level is certain for TurkStat.
- ❑ Level 3 and Level 4 are unlikely to be sufficiently generic for different organizations because of the different approaches and methods on doing business.

Experiences

- ❑ Commitment and continuous support of the top management
- ❑ The importance of transferring the approach to the staff
- ❑ “Process modeling and standardization” and “developing a statistical metadata system” are not just an issue for information technologies
- ❑ Systematic and detailed up-to-date documentation

Future Plans for Development

- ❑ To finalize the draft statistical business process model integrated with a strong statistical metadata system.
- ❑ Provide a strong infrastructure for quality management system.
- ❑ A leading model for other producers of official statistics.

**Thank you very much for your
attention!**