Introduction to Models and Standards for Statistical Modernisation

Session 1 : HLG-MOS and GAMSO

**Building national capacities on
International Standards for Official Statistics
Chisinau19-21 September, 2022**

Contents

1. High-Level Group for the Modernisation of Statistics (HLG-MOS)

2. Generic Activity Model for Statistical Organisations (GAMSO)

1. HLG-MOS

High-**L**evel **G**roup for the **M**odernisation of **O**fficial **S**tatistics
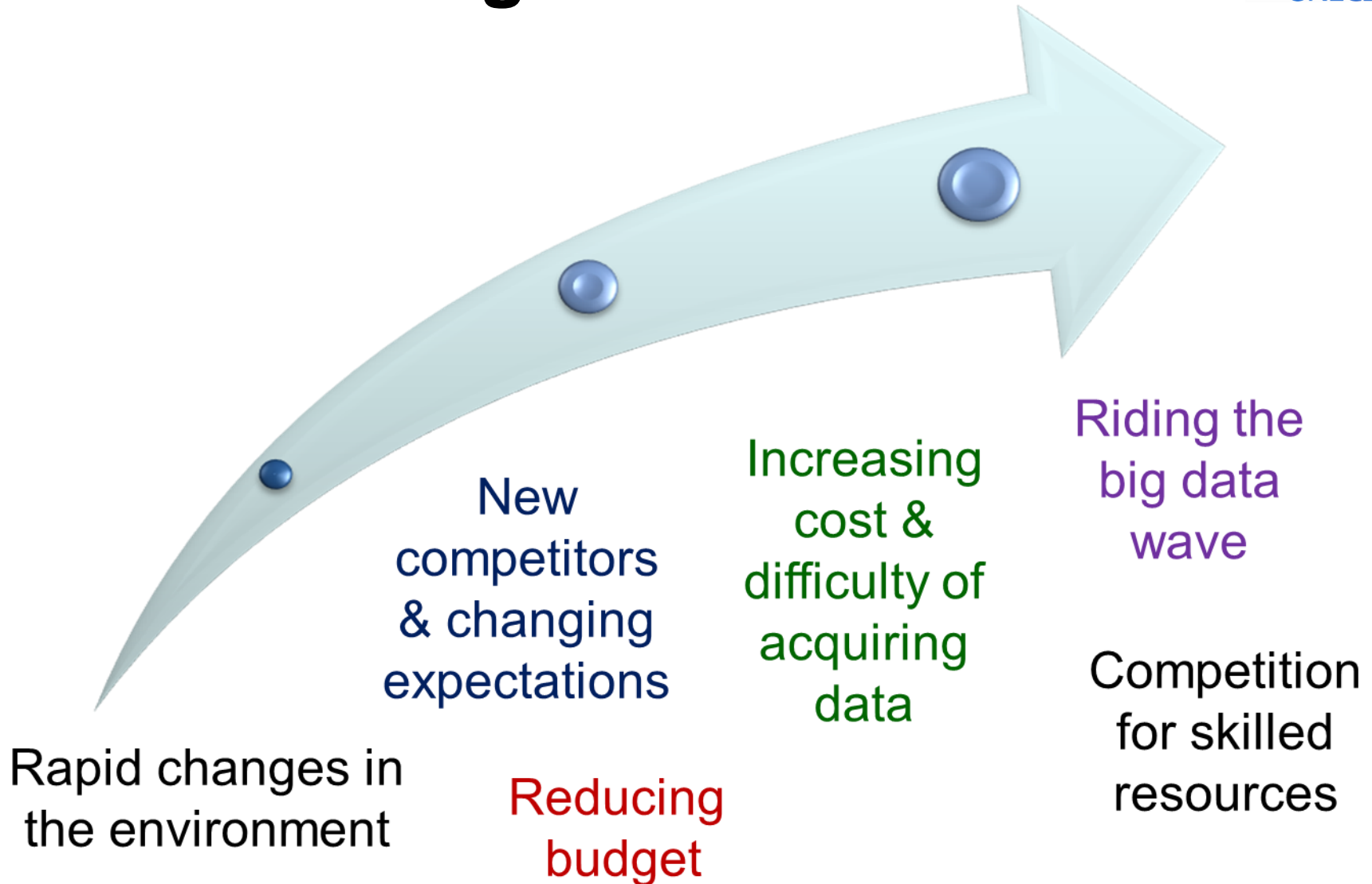
- ❖ Created by the Conference of European Statisticians in 2010
- ❖ Chaired by Canada, 10 countries, 3 IOs
- ❖ Annual workshop decides priorities and agrees 2 main projects
- ❖ 20+ expert groups and task teams
- ❖ Activities are demand driven

Who are the HLG-MOS members?

- Canada - Chair
- Australia
- Ireland
- Italy
- Mexico
- Netherlands
- New Zealand

- Poland
- Serbia
- South Korea
- United Kingdom
- Eurostat
- OECD
- UNECE

The Challenges

Rapid changes in the environment

New competitors & changing expectations

Reducing budget

Increasing cost & difficulty of acquiring data

Riding the big data wave

Competition for skilled resources

UNECE

These challenges are too big for statistical organisations to tackle on their own

There is a need to work together

Scope of Modernisation

❖ Covers all activities in official statistics

Technology

Methods

Information

People

Processes

Standards and Frameworks

Institutional Setting

Using common standards, statistics can be produced more efficiently

No domain is special!

Standards provide benefits in the following areas:

Efficiency: standards offer re-usable solution patterns, they are a means to capture knowledge and promote best practices, allowing interested parties to re-use solutions without having to support a full investment.

Quality and trust: standards help to build trust by providing widely validated and accepted solutions to common problems.

Collaboration and competition: Standards often provide a common language which can support collaboration among organizations and at the same time stimulate competition among service providers by reducing dependency and vendor lock-in that may be associated with particular solutions.

Innovation: Standards foster innovation as they offer a solid basis for formalising knowledge and best practices.

HLG-MOS

2. GAMSO

2. GAMSO

Generic **A**ctivity **M**odel for **S**tatistical **O**rganisations

❖ It covers all activities of statistical organisations

❖ It extends and complements the GSBPM by adding activities needed to support statistical production
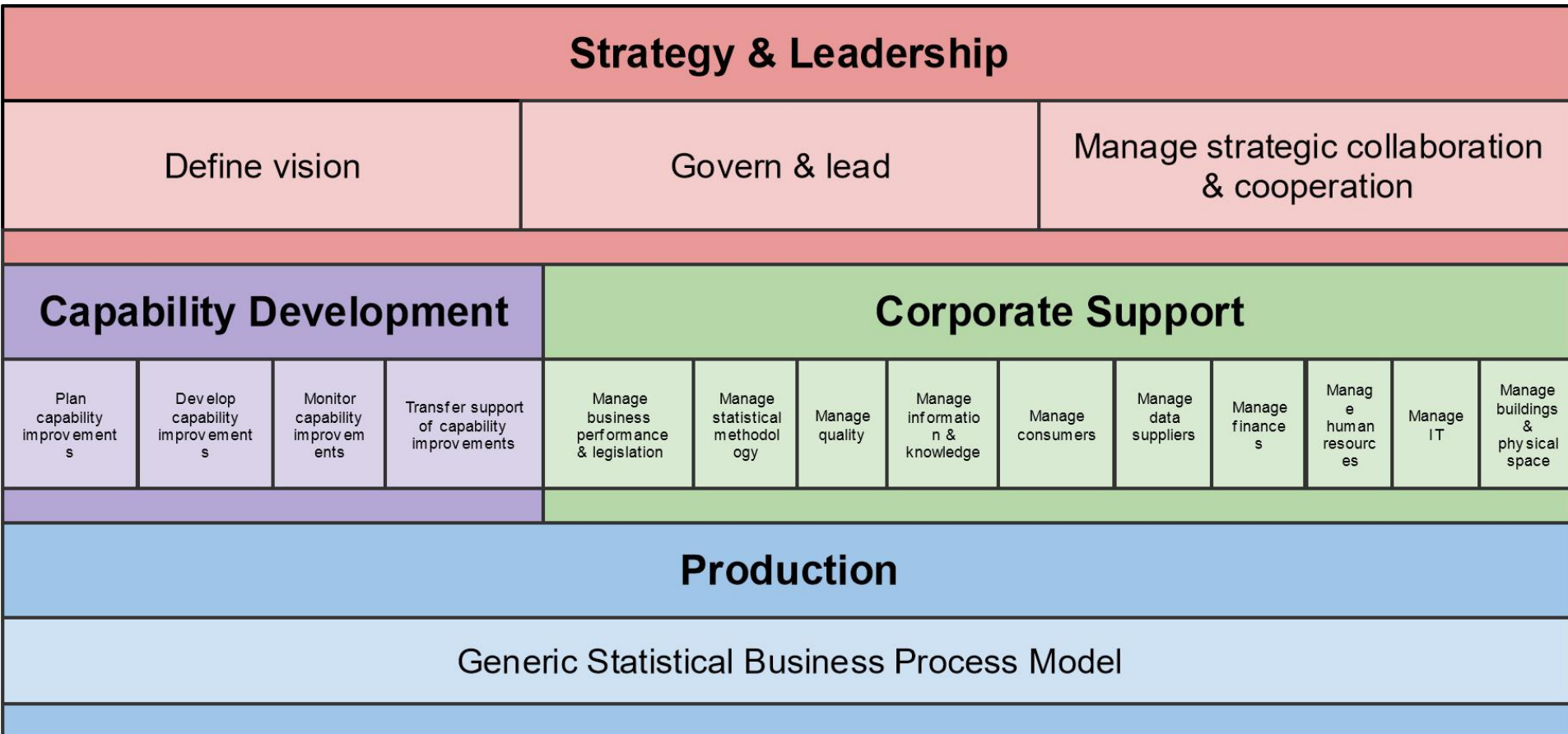
Level 1

Level 2

Strategy & Leadership		
Define vision	Govern & lead	Manage strategic collaboration & cooperation

Capability Development				Corporate Support									
Plan capability improvements	Develop capability improvements	Monitor capability improvements	Transfer support of capability improvements	Manage business performance & legislation	Manage statistical methodology	Manage quality	Manage information & knowledge	Manage consumers	Manage data suppliers	Manage finances	Manage human resources	Manage IT	Manage buildings & physical space

Production
Generic Statistical Business Process Model

Uses of GAMSO

❖ Resource planning

❖ Measuring costs

❖ Assessing readiness to implement different aspects of statistical modernisation

❖ Supporting risk management systems

❖ Implementing enterprise architecture

❖ Communication

Example of GAMSO in StaTact

GSBPM Data Ecosystem	**GAMSO** Governance

SDG Indicators 12.2.2
Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP
Supermarket scanner data

Primary Process Weakness and Cause		Agencies	Priority	Included	Solutions
Strategy and leadership | Manage strategic collaboration and cooperation No agreement exists obliging retailers to provide NSO with scanner data	✏️	• National Statistical Office (NSO) Main Agency • Retailers Association	High	✓	• Sharing agreement between NSO and Retailers Association
Corporate support | Manage data suppliers Good relations need to be established with retailers to ensure data provision	✏️	• National Statistical Office (NSO) Main Agency • Retailers Association	High	✓	• Implement regular deliveries of scanner data
Corporate support | Manage IT IT infrastructure needs to be in place to transfer and host scanner data	✏️	• National Statistical Office (NSO) Main Agency	High	✓	• Design and build IT infrastructure for store, integrate and manage scanner data

More information

GAMSO wiki

https://statswiki.unece.org/display/GAMSO

Thank you for your attention….

Q&A