



---

**United Nations Economic Commission for Europe  
Statistical Division**

# **Modernising Official Statistics**



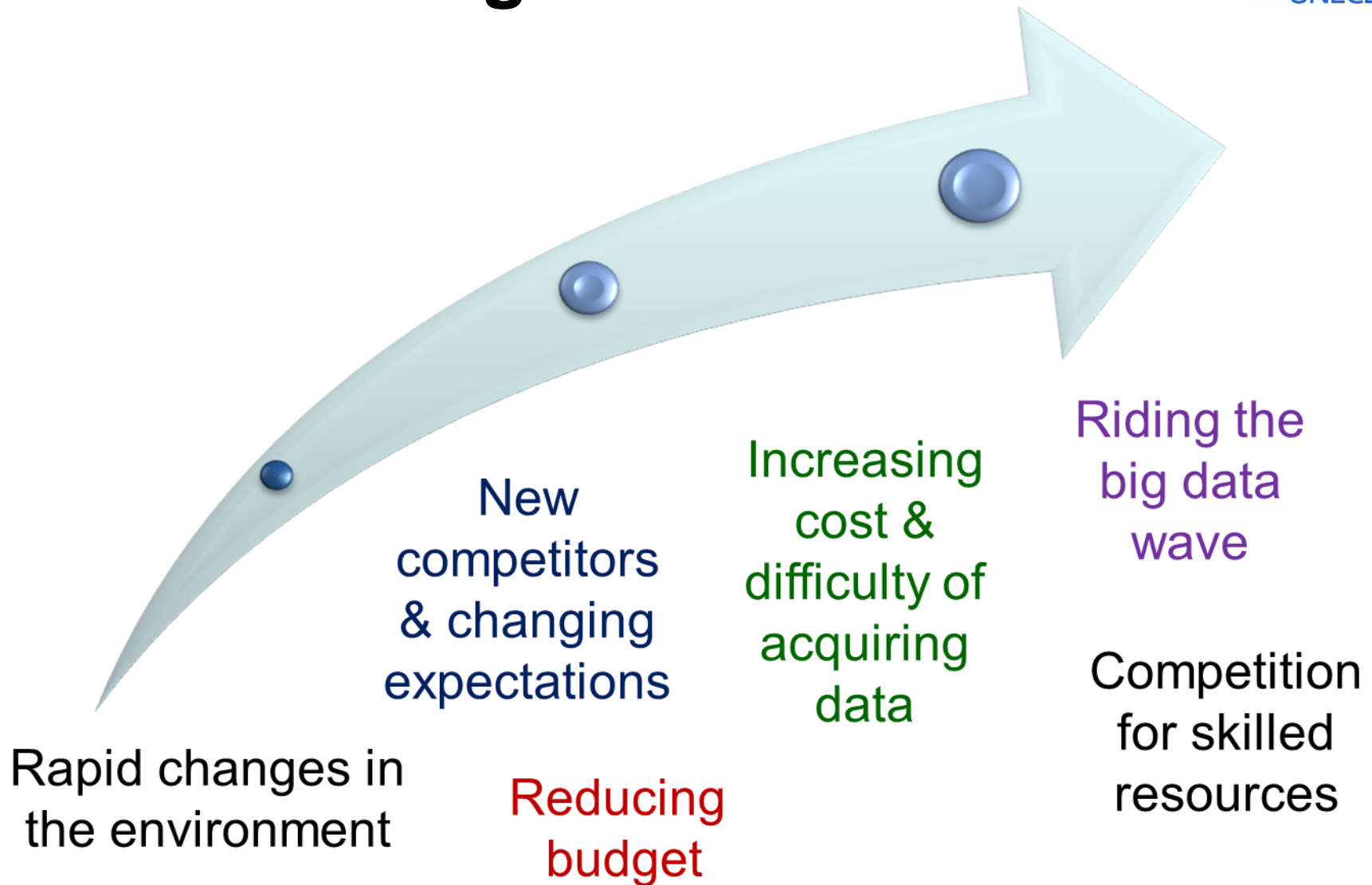


---

# Introducing the HLG

- ❖ High-level Group for the Modernisation of Official Statistics
- ❖ Created by the Conference of European Statisticians in 2010
- ❖ 11 Chief Statisticians
- ❖ Vision and strategy endorsed by CES in 2011 / 2012

# The Challenges





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

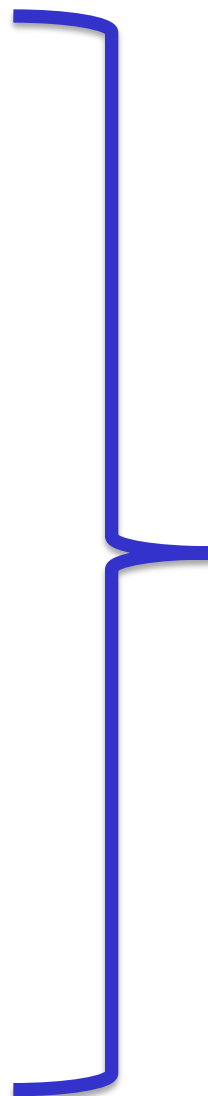
**We need to work together**



**HLG**



**Expert  
Groups**



**Projects**

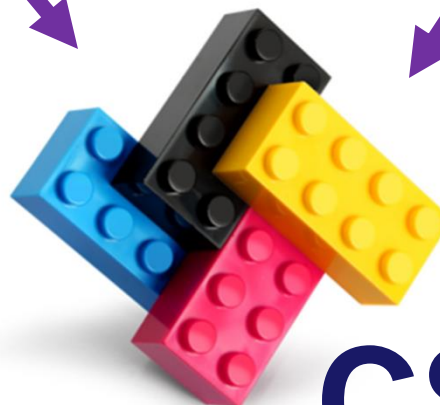
# The story so far

Quality Management / Metadata Management							
Specify Needs	Design	Build	Collect	Process	Analyse	Disseminate	Evaluate
1.1 Identify needs	2.1 Design outputs	3.1 Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.2 Set up collection	5.2	6.2 Produce dissemination products	7.2	8.2 Conduct evaluation
1.3 Establish output objectives	2.3	3.3	4.3	5.3	6.3	7.3	8.3 Agree on action plan
1.4 Identify concepts	2.4	3.4	4.4	5.4	6.4	7.4	
1.5 Check data availability	2.5 Design production & storage	3.5 Test production system	4.5	5.5	6.5	7.5	
1.6 Prepare business case	2.6 Design production systems & workflow	3.6 Test statistical business process	4.6	5.6	6.6	7.6	
	2.7	3.7	4.7	5.7	6.7	7.7	
		3.8	4.8	5.8	6.8	7.8	

**GSPBPM**



**GSIM**



**CSPA**



---

# What is the GSBPM?

- ❖ A flexible model that describes and defines the set of business processes needed to produce official statistics
- ❖ Standard framework and harmonised terminology to help statistical organisations
  - Modernise statistical production processes
  - Share methods and components

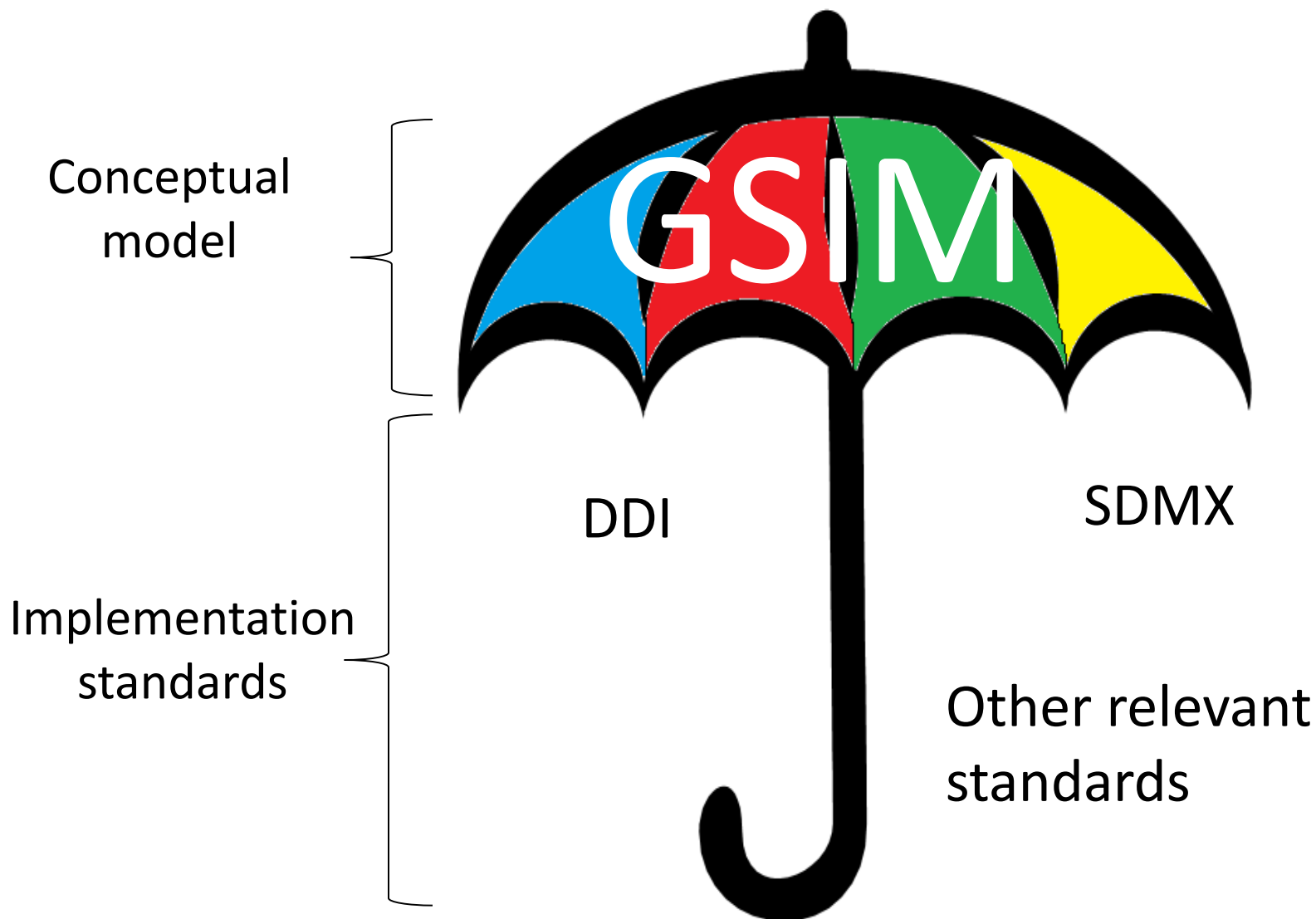


---

# What is the GSIM?

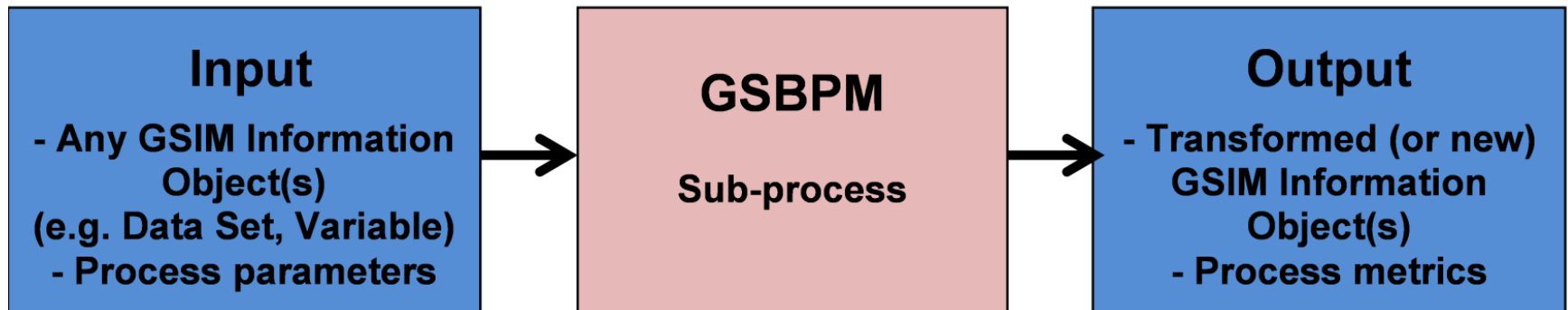
- ❖ A reference framework of information objects:
  - Definitions
  - Attributes
  - Relationships
- ❖ It gives us standard terminology
- ❖ GSIM aligns with relevant standards such as DDI and SDMX





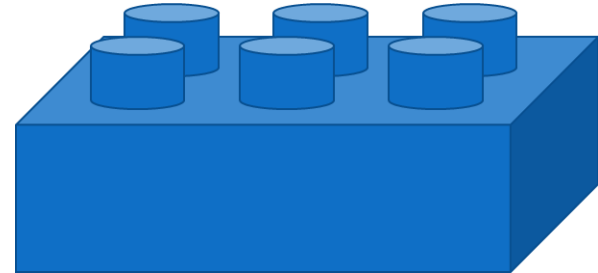
# GSIM and GSBPM

- ❖ GSIM describes the information objects and flows within the statistical business process.



# What is the CSPA?

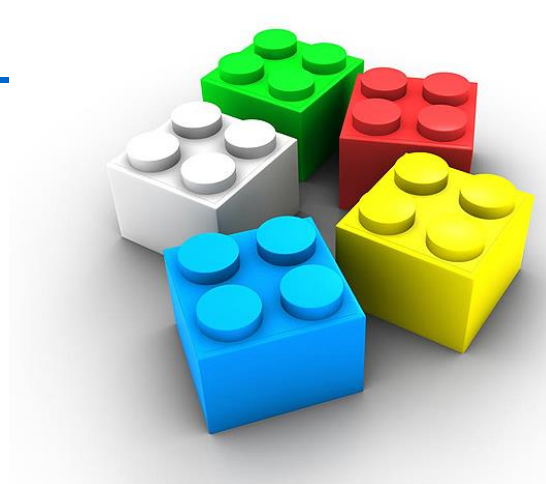
- A template architecture for official statistics
- A set of standard specifications for new statistical components (services) that can be used in a modular way
- A new way of developing statistical tools, with sharability as a design feature, not an afterthought



---

# Services built

1. Seasonal adjustment – France, Australia, New Zealand
2. Confidentiality on the fly – Canada, Australia
3. SVG generator – OECD
4. SDMX transform – OECD
5. Sample selection – Netherlands
6. Linear error localisation – Netherlands
7. Linear rule checking – Netherlands
8. Error correction – Italy



# CSPA

## the Future of Statistical Production





---

# Impact

## ❖ GSBPM

- De-facto global standard
- Implemented in over 50 statistical organisations

## ❖ GSIM

- Many new implementations
- Incorporated Neuchâtel Classification Model

## ❖ CSPA

- Growing number of CSPA services
- Recognised in ESS Vision 2020

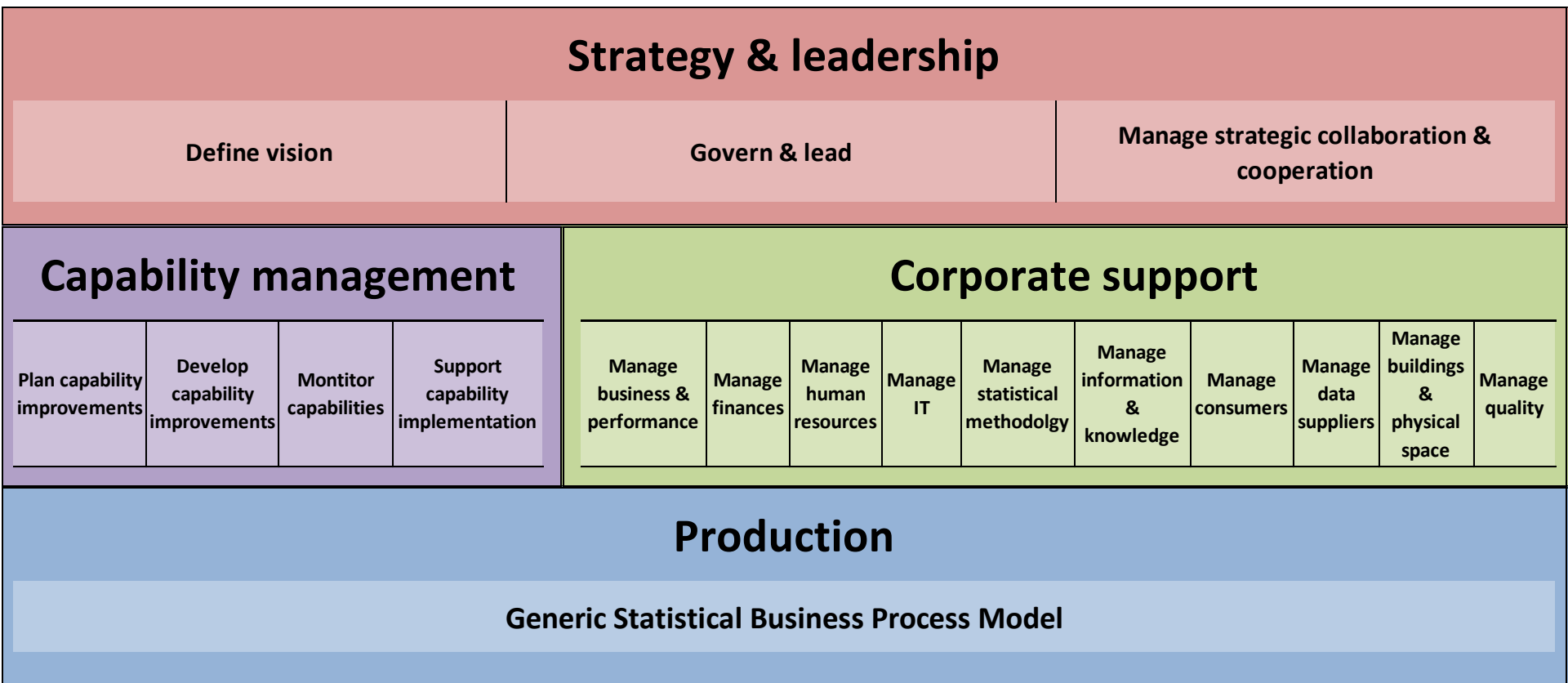


# Impact

- ❖ GSBPM
  - De-facto global standard
  - Implemented in over 50 statistical organisations
- ❖ GSIM
  - Many new implementations
  - Incorporated Neuchâtel Classification Model
- ❖ CSPA
  - Growing number of CSPA services
  - Recognised in ESS Vision 2020

**Common language  
for collaboration**

# NEW!! GAMSO



**Released in March 2015**



# What is the GAMS0?

- ❖ **G**eneric **A**ctivity **M**odel for **S**tatistical Organisations
- ❖ It extends and complements the GSBPM by adding other activities needed to support statistical production

---

# Managing GSBPM, GSIM & GAMSO



- ❖ Owner = High-Level Group
- ❖ Maintenance is delegated to the Modernisation Committee on Standards
- ❖ Discussion forums to gather feedback
- ❖ Importance of stability over time
  - Reviews every 5 years
  - Revisions only if really needed



---

# More Information

❖ HLG Wiki:

[www1.unece.org/stat/platform/display/hlgbas](http://www1.unece.org/stat/platform/display/hlgbas)

❖ LinkedIn group:

[“Modernising official statistics”](#)