



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

Modernising Official Statistics

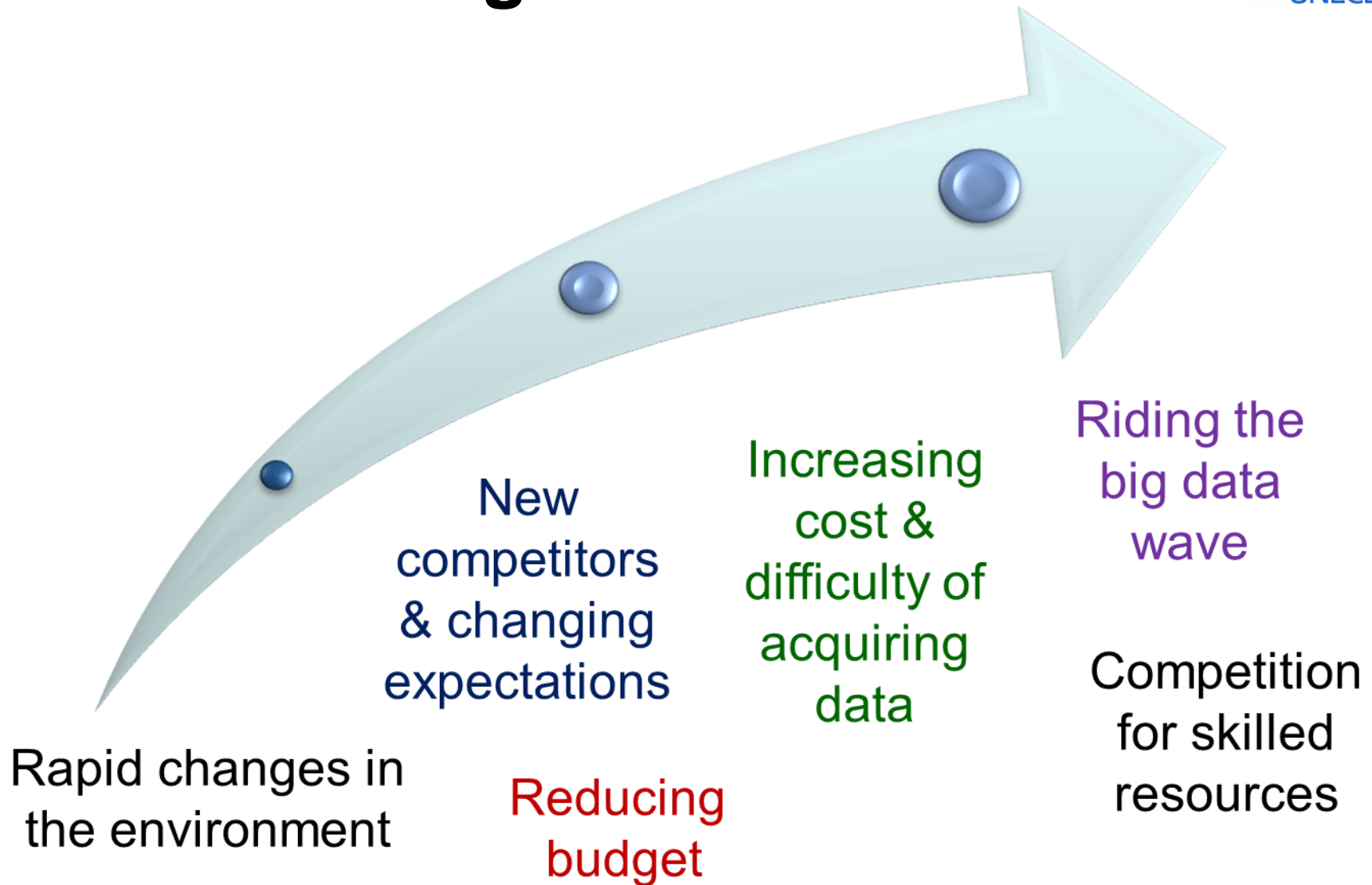




Introducing the HLG

- ❖ 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

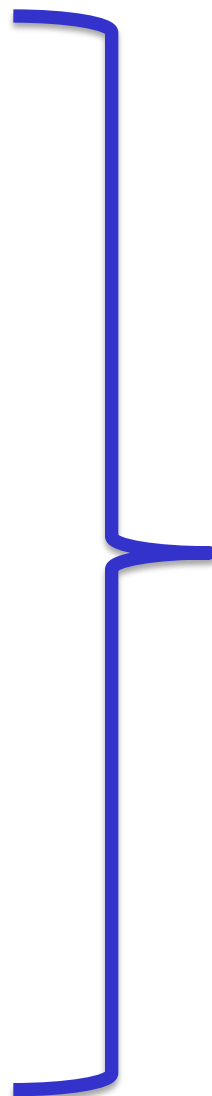
We need to work together



HLG



**Expert
Groups**



Projects

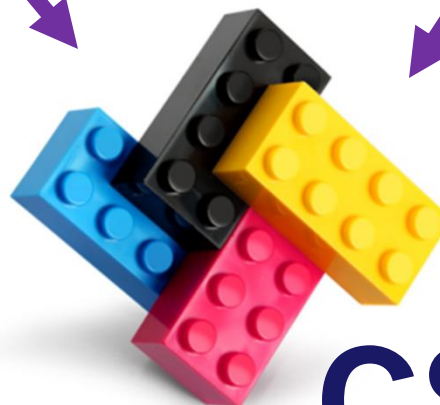
The story so far

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	3.6	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	
			4.9	5.9	6.9	7.9	
				6.0	7.0	8.0	

GSBPM



GSIM



CSPA



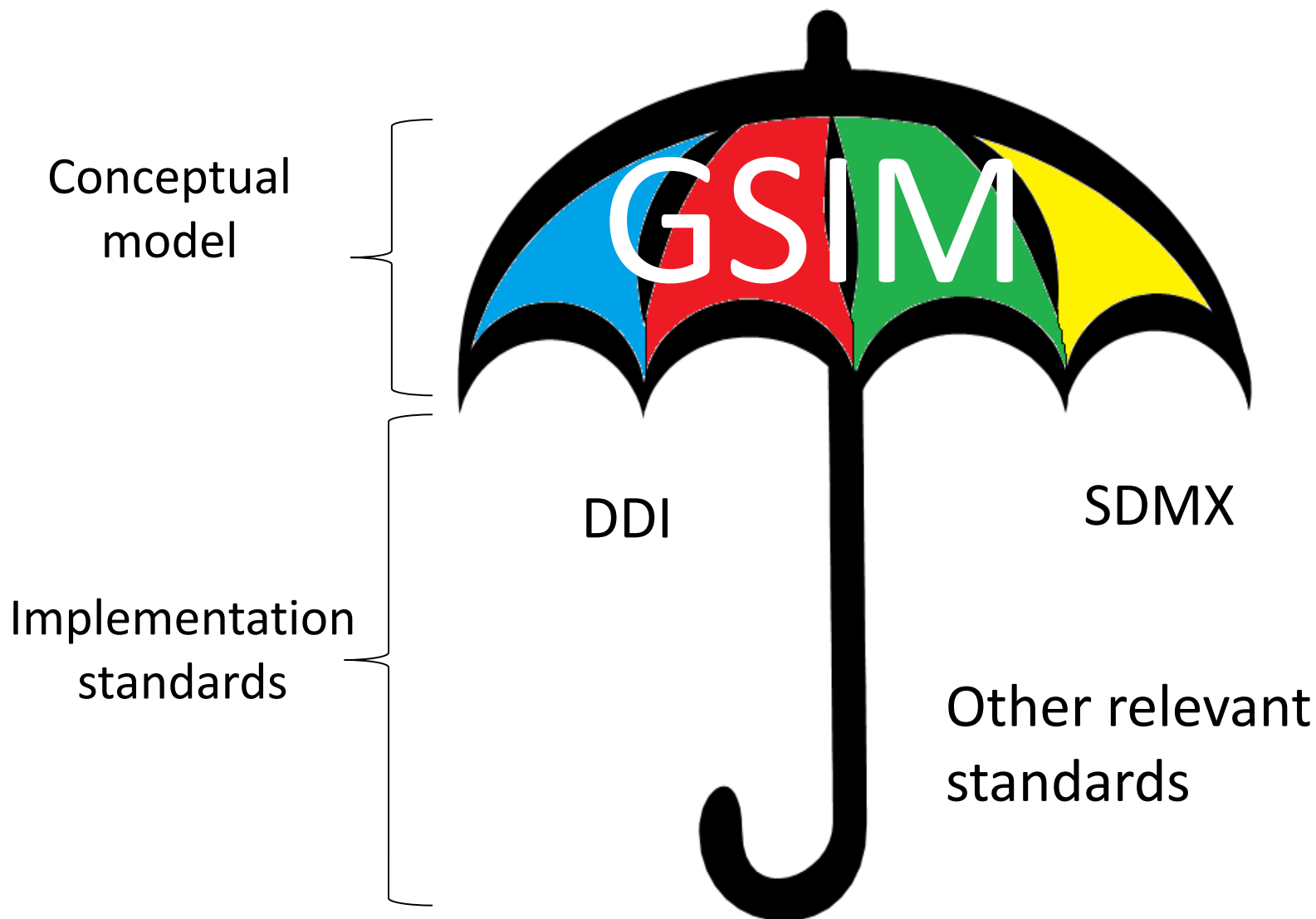
What is the GSBPM?

- ❖ 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



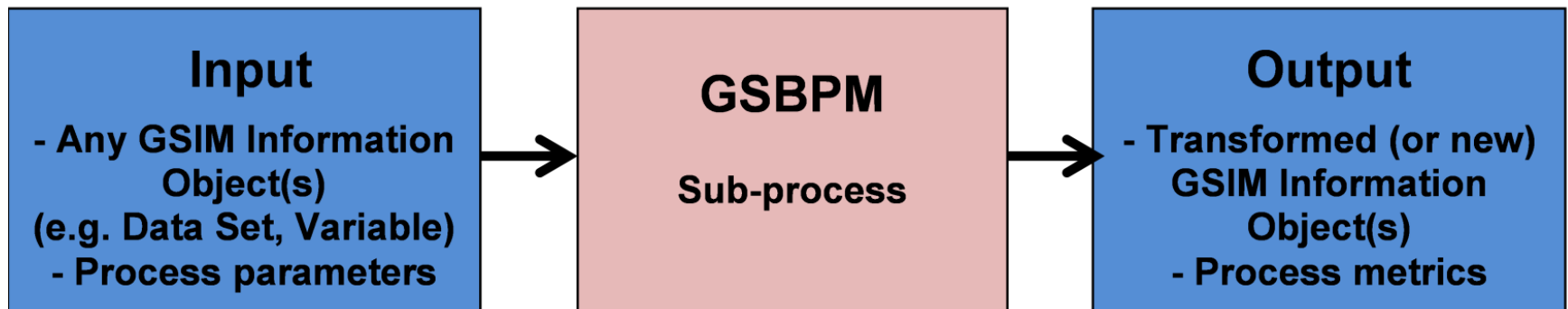
What is the GSIM?

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



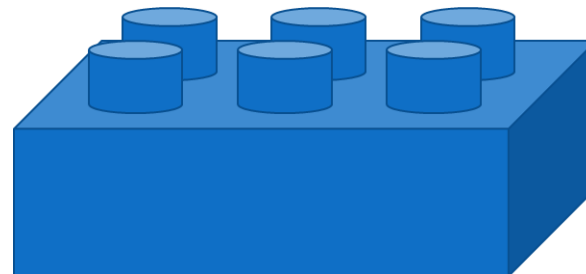
GSIM and GSBPM

- ❖ 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



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

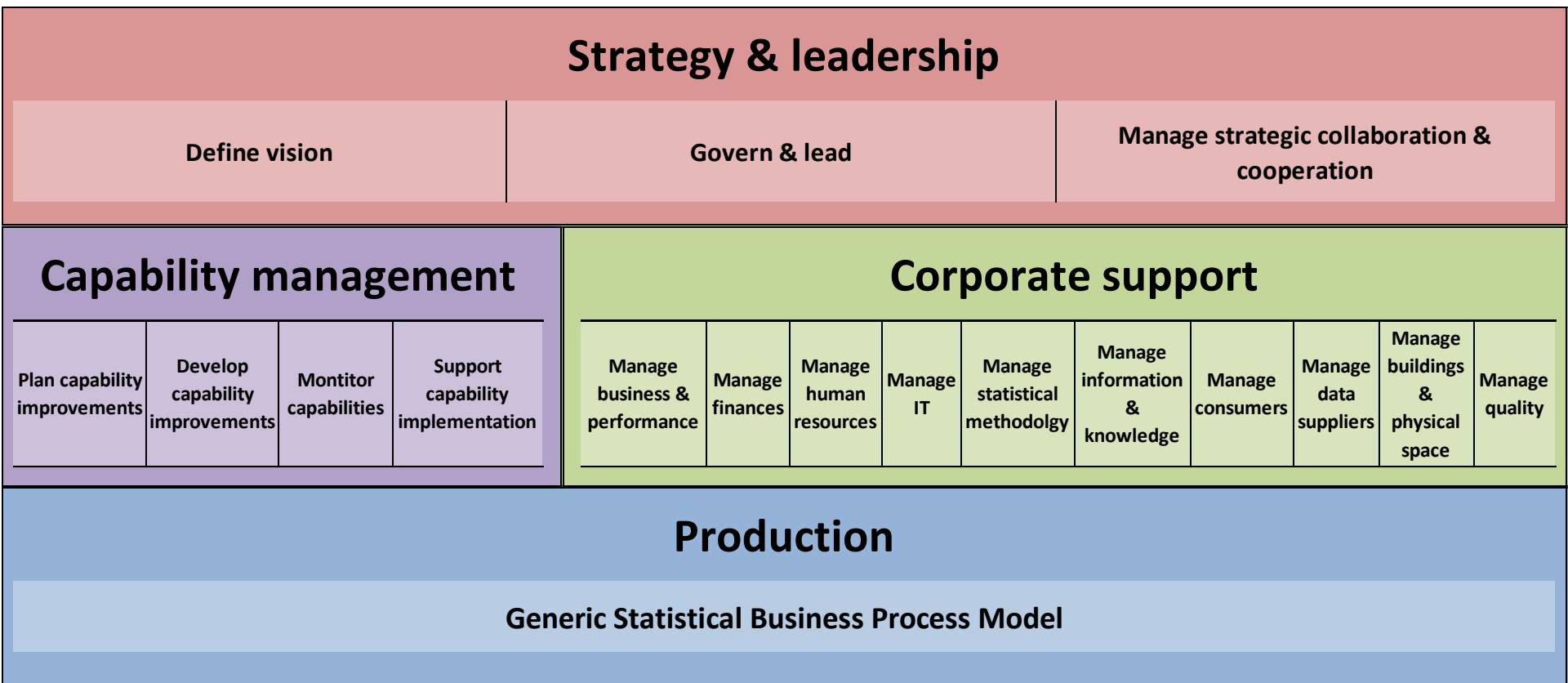


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**Common language
for collaboration**

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



Priorities in 2016

- ❖ Data integration
 - Combining survey, admin and other sources
- ❖ Linked open metadata
 - Classifications etc. in machine-readable formats for metadata-driven statistical systems
- ❖ Modernisation roadmap / maturity model
 - What do statistical organisations need to do next to advance



More Information

❖ HLG Wiki:

www1.unece.org/stat/platform/display/hlgbas

❖ LinkedIn group:

[“Modernising official statistics”](#)