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

# **Modernising Official Statistics**

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# UNECE Statistics: Priorities

- ❖ Population censuses, migration, gender
- ❖ Globalisation, National Accounts, employment, business registers
- ❖ Sustainable development, environmental accounts, climate change
  
- ❖ Modernisation



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# Introducing the HLG-MOS

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

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# Who are the HLG-MOS members?



- ❖ Ireland - Chair
- ❖ Australia
- ❖ Canada
- ❖ Italy
- ❖ Netherlands
- ❖ New Zealand
- ❖ Republic of Korea
- ❖ Slovenia
- ❖ Eurostat
- ❖ OECD
- ❖ UNECE

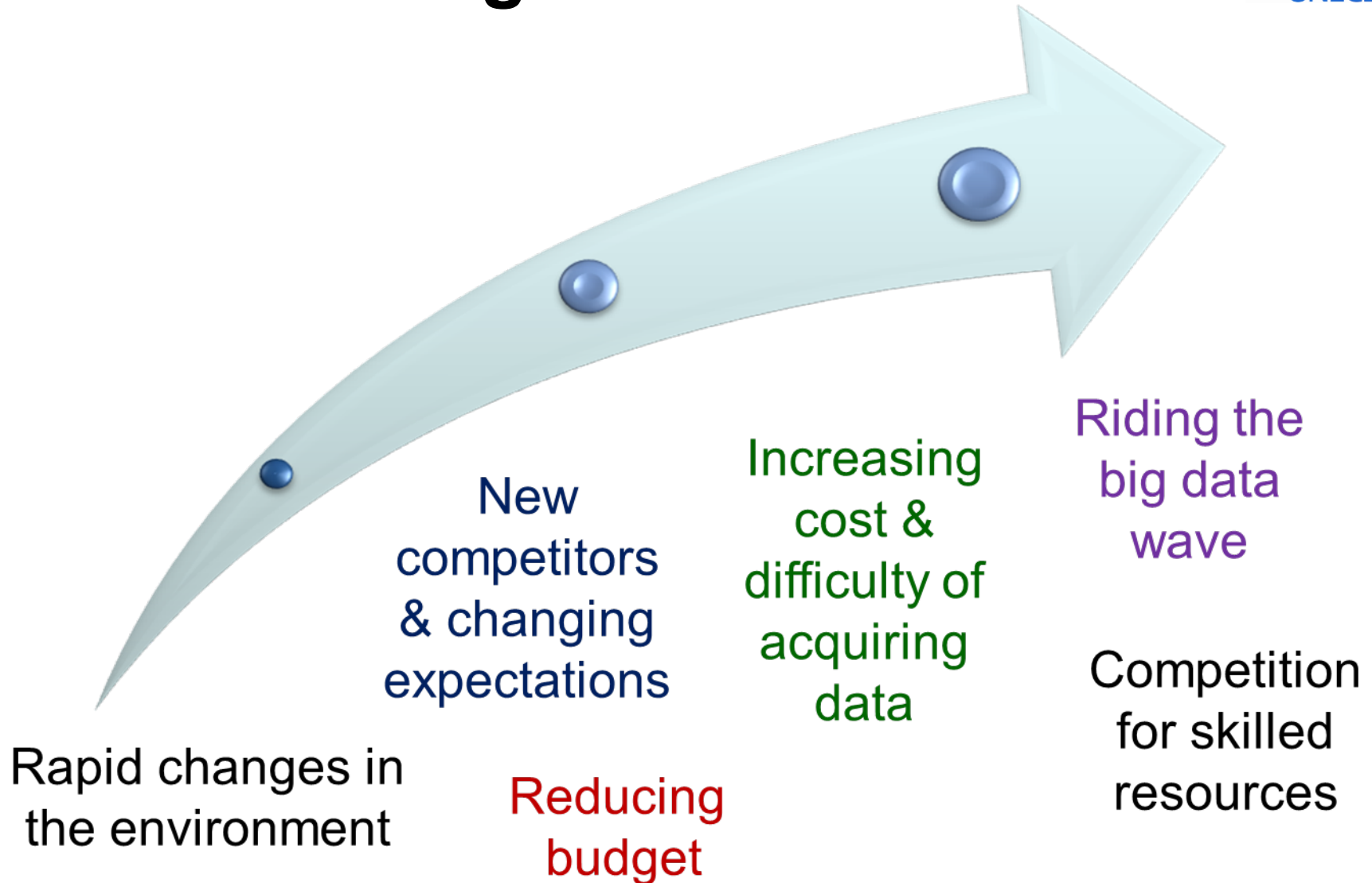


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# What does the HLG-MOS do?

- ❖ Oversees activities that support modernisation of statistical organisations
- ❖ Stimulates development of global standards and international collaboration activities
- ❖ “Within the official statistics community ... take a leadership and coordination role”

# The Challenges





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

**We need to work together**



**Using common standards,  
statistics can be produced  
more efficiently**

**No domain is special!**

**Do new methods and tools  
support this vision, or do they  
reinforce a stove-pipe mentality?**

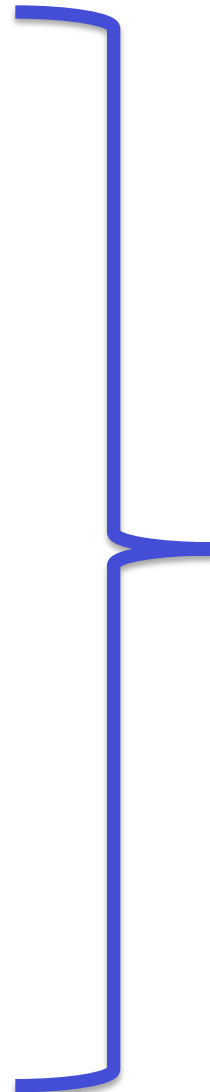




**HLG-MOS**



**Expert  
Groups**



**Projects**



UNEP

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 Classify & code	6.2 Validate outputs	7.2 Produce dissemination products	8.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design collection	3.3 Build or enhance dissemination components	4.3 Run collection	5.3 Review & validate	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	8.3 Agree an action plan
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.4 Finalise collection	5.4 Edit & impute	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.5 Check data availability	2.5 Design processing & analysis	3.5 Test production system		5.5 Derive new variables & units	6.5 Finalise outputs	7.5 Manage user support	
1.6 Prepare business case	2.6 Design production systems & workflow	3.6 Test statistical business process		5.6 Calculate weights			
		3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

**GSBPM**

# GAMSO



## Strategy & leadership

Define vision

Govern & lead

Manage strategic collaboration & cooperation

## Capability management

## Corporate support

Plan capability improvements

Develop capability improvements

Monitor capabilities

Support capability implementation

Manage business & performance

Manage finances

Manage human resources

Manage IT

Manage statistical methodology

Manage information & knowledge

Manage consumers

Manage data suppliers

Manage buildings & physical space

Manage quality

## Production

Generic Statistical Business Process Model



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# GSIM

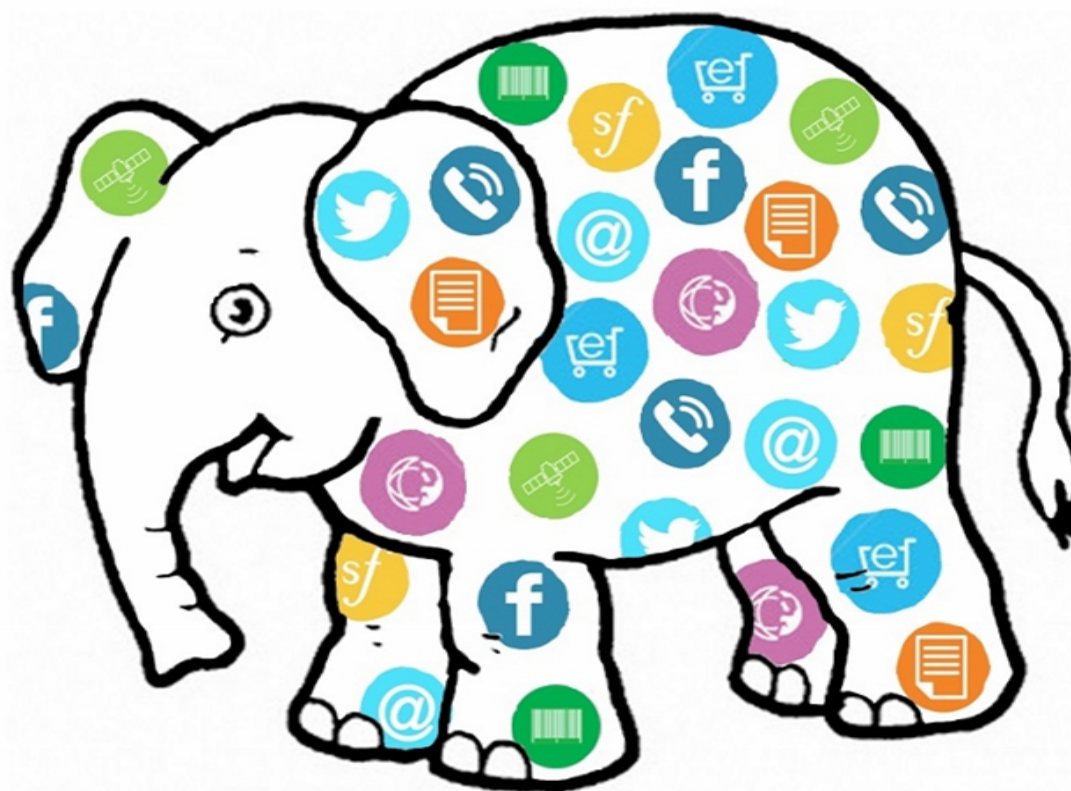
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# CSPA



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# Big Data





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# New areas for 2016

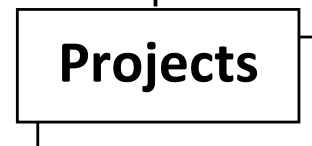
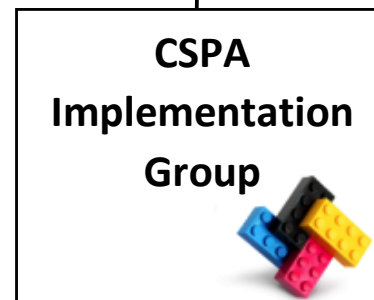
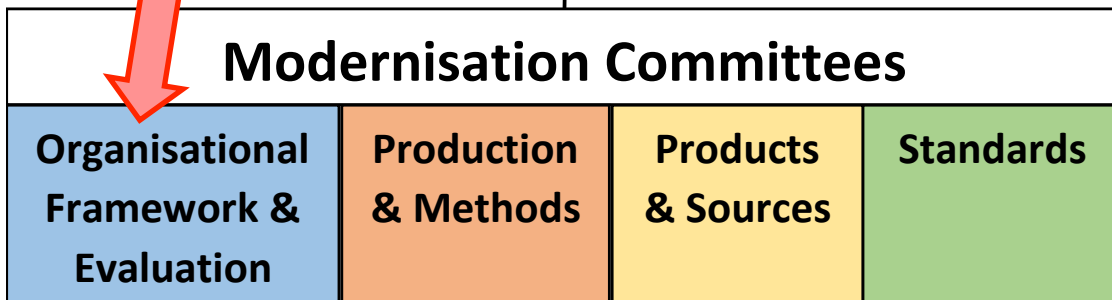
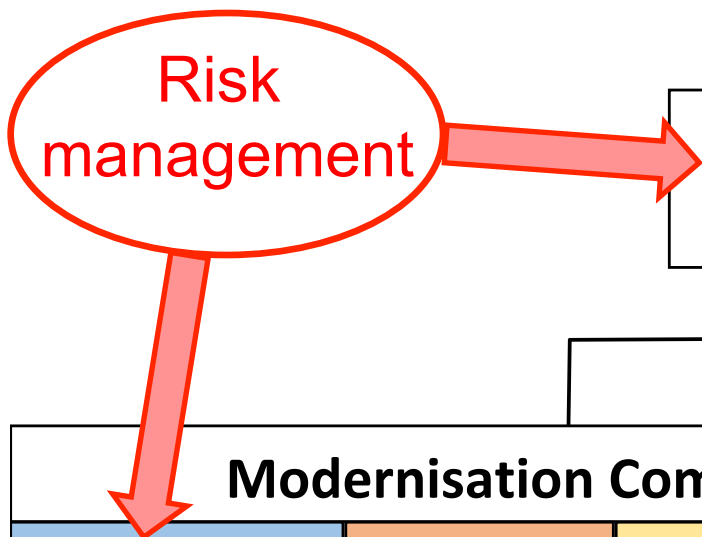
- ❖ Data integration
  - Combining information from multiple sources
- ❖ Linked open metadata
  - Increasing shareability of standards
- ❖ Modernisation roadmap and maturity model
  - Creating a path for others to follow



**Conference of  
European Statisticians**

**HLG-MOS**

**Executive  
Board**





# Communication

❖ **Risk:** Insufficient outreach and communication of modernisation activities

❖ **Mitigation:**

Communication task team

Social media, webinars, videos



brand and logo

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# Big Changes → Big Risks

- ❖ Risk management is increasingly important for statistical organisations
- ❖ New types of risks due to more frequent changes of:
  - Data sources
  - Processes
  - User requirements
- ❖ But ... even bigger risk to do nothing!



# More Information

❖ HLG Wiki:

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

❖ LinkedIn group:

[“Modernising Official Statistics”](#)