High-Level Group for the Modernisation of Official Statistics

Workshop on Human Resources Management and Training
12 - 14 September 2018, Oslo, Norway
Official Statistics

NSOs are facing many challenges
   ➔ Change how we work

Continuously changing environment
   ➔ Become agile and adaptive

We have to be more efficient
   ➔ Share and Standardize

Challenges too big to tackle on their own
   ➔ Collaborate and Coordinate

Official Statistics needs leadership
   ➔ Vision, Mission and Strategy
HLG-MOS

• High-Level Group for the Modernisation of Official Statistics setup in 2010* under the Conference of European Statisticians (CES)

• Statistical Modernisation Community – Statement of Intent (2015)

• Since 2016 the community is branded as:

*originally as HLG for the Modernisation of Statistical Production and Services & HLG Group for strategic Developments in Business Architecture in Statistics (HLG-BAS)
### Why needed?

<table>
<thead>
<tr>
<th>Before the HLG-MOS</th>
<th>Now</th>
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<tr>
<td>Many expert groups</td>
<td>Clear vision</td>
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<tr>
<td>Little coordination</td>
<td>Agreed priorities</td>
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<tr>
<td>No overall strategy</td>
<td>Strategic leadership</td>
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<tr>
<td>Limited impact</td>
<td>Real progress</td>
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Work collaboratively to identify trends, threats, and opportunities & provide common platform to develop solutions in a flexible and agile way.

Actively engage

Be a trusted data authority

Adopt a service oriented approach

Have an agile adaptive culture

Developing innovative solutions

Demonstrating leadership and collaboration

Discussing challenges and opportunities openly

Ensuring that priorities are community driven

Supporting a flexible, result oriented and agile approach
Collaboration of the Willing

- Activities are voluntary and demand driven
- Actively steered by group of committed Chief Statisticians

- Four main principles:
  - Openness
  - Flexibility
  - Participation
  - Pragmatism

- Everybody can join and participation at all levels
- But: Strategic Vision and oversight by HLG-MOS the Executive Board
Collaborative Platform

- Two modernisation projects per year
- Four expert groups (with 10-20 Task Teams)
- Several Modernisation Workshops
  - HRMT Workshop 2018
- Four thematic workshops
- HLG-MOS Wikis
- Catalogues: Sharing Investments, Capability, and Statistical Services
- Many Sprint Workshops, face-to-face, virtual meetings
HLG-MOS Annual Projects

- Strategic Communication Framework & Communication issue management; maturity model; Skillsets & Branding

Data Architecture Project II
Common Statistical Data Architecture 1.1
Maturity Model, Guidelines & Use Cases

Current Groups
Developing Organisational Resilience

Organisational aspects of collaboration and modernization how best to bring about the organisational changes necessary to support modernisation in statistical organisations

- Organisational Resilience
- Risk Management
- Statistical Training Frameworks
- HRMT Workshops

Continues the work of the Modernization Group on Capabilities and Communication
Supporting Standards

Develop, enhance, integrate, promote, support and facilitate implementation of the range of standards needed for statistical modernization

- GSBPM Revision
- GSIM Revision
- Integrated View
- And: promotion, communication material, assistance, ModernStats World Workshop
Sharing Tools

Activities related to the implementation of the Common Statistical Production Architecture (CSPA)

• CSPA Revision
• Architecture Patterns & adapters
• **CSPA Service Catalogue**
• And: promotion & communication material, ModernStats Worlds Workshop
Blue Sky Thinking Network

The ‘ideas factory’ for statistical modernization community. Provide an environment scan on selected topics (what, value, state-of-the-art, collaboration opportunities).

• Machine Learning
• HLG Hackathon ‘Telling Stories with SDG data’
Modernisation Workshops

• Annual HLG-MOS Workshop (November)
• Annual ModernStats World Workshop (April)
• HRMT:
  – Workshop on Human Resources Management and Training (12-14 September 2018, Oslo, Norway)
  – Workshop on Implementing Efficiencies and Quality of Output (27 - 29 September 2017 Geneva, Switzerland)
  – Workshop on Human Resources Management and Training: Developing Capabilities for the Future (7-9 September 2016, Krakow, Poland)
• CSPA:
  – 2016 CSPA Workshop: Implementing CSPA (3 -5 October 2016, Geneva, Switzerland)
• Other
  – Workshop on Integrating Geospatial and Statistical Standards (6 - 8 November 2017)
  – HLG-MOS Sprint Session: Strategies to stay relevant 21 November 2017, Geneva, Switzerland
Four thematic workshops

• Statistical Data Collection

• Communication and Dissemination of Statistics

• Statistical Confidentiality

• Statistical Data Editing

• Key Goals: Sharing innovative practices, identifying challenges and topics for future work
Four thematic workshops

- Statistical Data Collection Workshop 'Resourceful Data Acquisition’ 10-12 October 2018, Geneva
- Communication and Dissemination of Statistics June 2019, Poland tbc
- Work Session on Statistical Confidentiality October tbc 2019, the Hague, The Netherlands
- Workshop on Statistical Data Editing 18-20 September 2018, Neuchâtel, Switzerland

- Key Goals: Sharing innovative practices, identifying challenges and topics for future work
HLG-MOS Outputs

- Standards and Models
- Guidelines and Best Practices
- Catalogues and Repositories
- Collaboration and Joint Products
- Identifying Challenges and Way Forward

- All Available from the UNECE HLG-MOS wikis
HLG-MOS Wikis

Knowledge Base
(Virtual Standards Helpdesk)

Investment Catalogue

Capability Catalogue

CSPA Service Catalogue

Technical Repository
ModernStats Achievements:

- **Generic Statistical Business Process Model (GSBPM)**
- **Generic Statistical Information Model (GSIM)**
- **Common Statistical Production Architecture (CSPA)**
- **Generic Activity Model for Statistical Organizations (GAMSO)**
Some of the other output

- Common Statistical Data Architecture 1.0 (CSDA)
- Generic Statistical Data Editing Models (GSDEMs)
- Guidelines on Risk Management [link]
- Guidelines for Managers [link]
- Data Integration Guidelines [link]
- Modernisation Maturity Model and Roadmap [link]
- Linked Open Metadata [link]
- Common Metadata Framework [link]
- Big Data Inventory [link]
- Investment Catalogue [link]
- CSPA Catalogue [link]
Coming Soon

- GSBPM 5.1
- GAMSO 1.2
- GSIM 1.5
- CSPA 1.5
- CSDA 1.1
- HLG-MOS Workshop: new projects and topics for 2019

- And, see next presentation
Next

- Agile and adaptive culture
- Active engagement
- Service orientation

- Trusted data authority
- Voluntary collaboration of the willing
- Leadership and collaboration
- Developing innovative solutions
- Flexibility and result orientation
- Common platform for experts
- Community driven priorities
Priority & Emerging Topics

• Active engagement
  – Communicating our value
  – Role in the data ecosystem

• Trusted Data Authority
  – National Data Strategy
  – Data for better decision making
  – Data protection
  – Data access and ethics

• Agile and adaptive culture
  – Setting the vision
  – Culture evolution
Annex: Links

- **HLG-MOS** [https://statswiki.unece.org/x/xlR8Aw](https://statswiki.unece.org/x/xlR8Aw)
- **Modernisation Groups** [https://statswiki.unece.org/display/hlgbas/Modernisation+Groups](https://statswiki.unece.org/display/hlgbas/Modernisation+Groups)
- **HLG Outputs** [https://statswiki.unece.org/x/7AQpBw](https://statswiki.unece.org/x/7AQpBw)
- **Modernisation Workshops** [https://statswiki.unece.org/x/bAhLBg](https://statswiki.unece.org/x/bAhLBg)
- **Modernisation Updates** [https://statswiki.unece.org/x/QY0HBg](https://statswiki.unece.org/x/QY0HBg)
Annex: HLG-MOS members

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

- Republic of Korea
- Slovenia
- United Kingdom
- Eurostat
- OECD
- UNECE
Statement of Intent Endorsed

- Australian Bureau of Statistics
- Central Bureau of Statistics (Netherlands)
- Central Statistics Office (Ireland)
- Eurostat
- Hungarian Central Statistical Office
- INEGI (Mexico)
- Istat (Italy)
- OECD Statistics Directorate
- Puerto Rico Institute of Statistics
- Statistical Office of the Republic of Serbia
- Statistical Office of the Republic of Slovenia
- Statistics Canada
- Statistics Korea
- Statistics New Zealand
- Statistics Sweden
- Statistical Office of Montenegro
- UNECE Statistical Division
Annex: HLG-MOS Groups

• Organizational Resilience Group: 2018 onward
• Sharing Tools Group: 2017 onward
• Supporting Standards Group: 2017 onward
• Blue Sky Thinking Network: 2017 onward
• Modernisation Committee Products and Sources: 2014-2016
• MC Organisational Frameworks and Evaluation 2014-2016
• MC Production and Methods 2014-2016
• MC Standards 2014-2016
• CSPA Implementation Group 2015
Annex: HLG-MOS Projects

• 2018
  – Strategic Communication Framework
  – Data Architecture Project II
• 2017
  – Data Integration Project II
  – Data Architecture Project I
• 2016
  – Implementing ModernStats Standards
  – Data Integration Project I
• 2015
  – Big Data II
  – Common Statistical Production Architecture II
• 2014
  – Big Data
  – Common Statistical Production Architecture
• 2013
  – Frameworks and Standards for Statistical Modernization
• 2012
  – GSIM