High-Level Group for the Modernisation of Official Statistics

Workshop on Statistical Data Collection
14 - 16 October 2019, Geneva, Switzerland
### HLG-MOS

<table>
<thead>
<tr>
<th>Before the HLG-MOS</th>
<th>Now</th>
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<tbody>
<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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High-Level Group for the Modernisation of Official Statistics setup in 2010 under the Conference of European Statisticians (CES)


Since 2016 the community is branded as:
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
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
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
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
Community Involvement 2018

• Projects: 56 members from 19 countries and 2 International Organisations (IOs)
• Groups: 82 members from 19 countries and 5 IOs
• Steering Committees: 53 members from 19 countries and 4 IOs
• Workshops: 328 participants from 63 countries and 12 IOs

• In summary:
  – Participants: 500+
  – Members: 100+
  – Organisations: 75+
HLG-MOS Annual Projects

Strategic Communication Framework II
Organizational Vision and Strategic Staff Engagement, Stakeholder Engagement management Strategies, Engagement in Government-wide data strategies

Pt I: Communication issue management; maturity model; Skillsets & Branding

Machine Learning for Official Statistics
Pilot studies:
I) Classification & Coding
II) Edit and Imputation
III) Imagery

Quality issues: i) traditional processes and data ii) exploit non-traditional data

Lessons Learned

Current Groups

SHARING

IDEAS → METHODS → TOOLS

MODELS

SERVICES

Modern Stats
GSMART
CSPA

Supporting Standards

GAMSO
GSBPM

Blue Skies Thinking
Developing Organisational Capability

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

- Skills and Capability framework
- Forum for sharing
- Setting Vision in NSOs

- Workshops 2019 (11-13 September, Geneva): Culture Evolution

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

• Linking GSBPM and GSIM
• Core Ontology for Official Statistics
• Alignment of overarching processes in GSBPM and GAMSO
• Metadata Glossary
Sharing Tools

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

• Digitising/Editing CSPA document
• CSPA Service Catalogue
• Communicating the Restated CSPA Concept
• ➔ Add Requirements-Features concept
Blue Sky Thinking Network

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

- Machine Learning
- HLG Hackathon ‘Telling Stories with SDG data’
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
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](#)
Modernisation workshops

- Communication and Dissemination of Statistics 12-14 June 2019, Gdańsk, Poland
- Workshop on Culture Evolution, 11-13 September 2019, Geneva, Switzerland
- Statistical Data Collection Workshop 9-11 October 2019, Geneva
- Work Session on Statistical Confidentiality 29-31 October 2019, the Hague, The Netherlands
- Workshop on Statistical Data Editing 15-17 November 2020, Geneva, Switzerland

Key Goals: Sharing innovative practices, identifying challenges and topics for future work
Get Involved!
Join the Force!

Consult
Contribute
Collaborate
Annex: HLG-MOS Groups

- Developing Organizational Capabilities: 2019 onward
- Developing Organizational Resilience Group: 2018
- 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

• 2019: Strategic Communication Framework II & Machine Learning
• 2018: Strategic Communication Framework I & 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 I & Common Statistical Production Architecture I
• 2013: Frameworks and Standards for Statistical Modernization
• 2012: GSIM