

High-Level Group for the Modernisation of Official Statistics



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

HLG-MOS

Before the HLG-MOS	Now
Many expert groups	Clear vision
Little coordination	Agreed priorities
No overall strategy	Strategic leadership
Limited impact	Real progress

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:

Priority & Emerging Topics

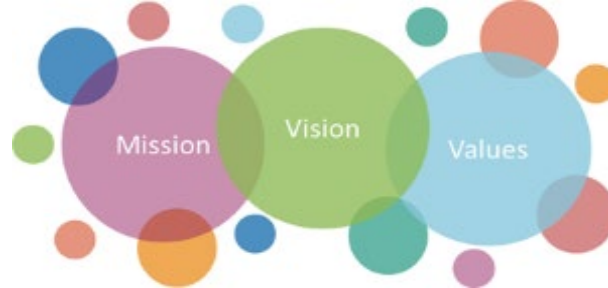
- **Active engagement**
  - Communicating our value
  - Role in the data ecosystem
- **Trusted Data Authority**
  - National Data Strategy
  - Data for better decision making
  - Data protection
  - Data access and ethics
- **Agile and adaptive culture**
  - Setting the vision
  - Culture evolution



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



 Mission

Work collaboratively to identify trends, threats, and opportunities & provide common platform to develop solutions in a flexible and agile way.

 Vision

Actively engage

Be a trusted data authority

Adopt a service oriented approach

Have an agile adaptive culture

 Values

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+





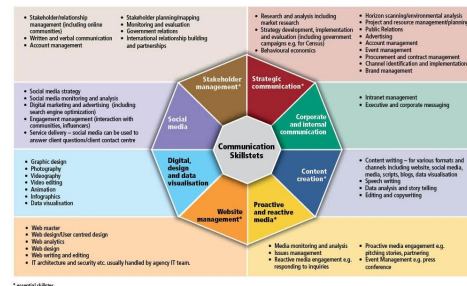
HLG-MOS Annual Projects



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



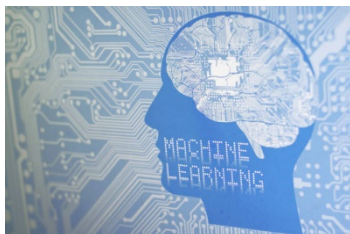
Machine Learning for Official Statistics

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



2012-2018: GSIM, CSPA I&II, Big Data I&II, Linked Metadata, Data Integration I&II, Data Architecture I&II, Strategic Communication Framework I



Current Groups





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



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

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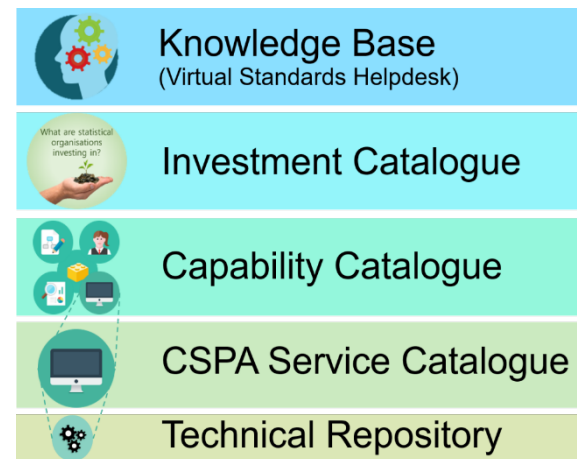


Sharing Tools

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'

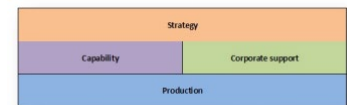


HLG-MOS Outputs

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

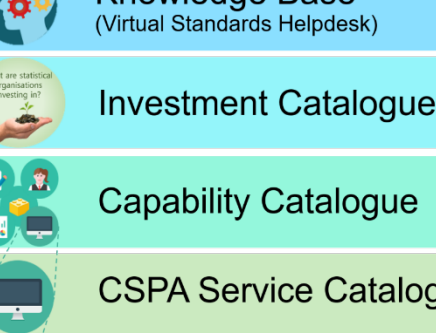


Some of the other output

- 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
- ModernStats World Workshop, Geneva, 26-28 June 2019
- 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
- HLG MOS Workshop on the Modernisation of Official Statistics, Geneva, 18-20 November 2019
- **Key Goals: Sharing innovative practices, identifying challenges and topics for future work**



Knowledge Base
(Virtual Standards Helpdesk)

Investment Catalogue

Capability Catalogue

CSPA Service Catalogue

Technical Repository

Workshops

- Workshop on Culture Evolution (2019)
- Workshop on Human Resources Management and Training: Building Resilience in Statistical Organisations (2018)
- Workshop on Human Resources Management and Training: Developing Capabilities for the Future (2016)
  - Earlier workshops on HRMT
- Workshop on Implementing Efficiencies and Quality of Output (2017)
- Workshop on Risk Management Practices in Statistical Organisations (2016)

Other outputs

- Developing Organisational Resilience:
  - Paper on Visions, Missions and Target Operating Models
  - Green paper: Developing Organisational Resilience in Statistical Organisations
- Statistical Training:
  - Statistical and End User IT Training Framework - based on GSBPM Model (2017)
  - Statistical Training Framework aligned to the GSBPM - paper (2018)
- Organisational barriers to international collaboration (2016):
  - Paper on organisational barriers to international cooperation
- Competencies profiles (2015):
  - Big Data Team
  - Big Data Team Leader

Earlier outputs:

- Surveys before HRMT workshop 2010 and HRMT workshop in 2012
- Exit Interview forms
- Staff satisfaction survey questionnaires
- Conceptual approach to HR development - Destatis
- Results of the staff turnover survey 2010
- Training system in Statistics Lithuania

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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