Modernisation Expert meeting workshops in 2020

10th Annual Workshop of the High-Level Group for the Modernisation of Official Statistics
18-19 November 2020
### Planned

- HLG-MOS, 1 March, New York
- Workshop on Statistical Data Editing, 15 – 17 April, Geneva
- ModernStats World Workshop, 24-26 June, Belgrade
- Workshop on Statistical Data Dissemination and Communication, 7-9 September, Lisbon
- Workshop on Human Resources Management and Training, 9-11 September, Lisbon
- Workshop on Statistical Data Collection, 5-7 October, Geneva
- HLG-MOS Modernisation Workshop, 18-19 November, Geneva
- Input Privacy Preservation Project Sprint, 17-20 March
- Machine Learning Project Sprint, 1-3 April, Warsaw
- Machine Learning Sprint, September, Wiesbaden

### Actual

- HLG-MOS, 1 March, New York
- Workshop on Statistical Data Editing, 31 August- 4 September, online
- ModernStats World Workshop, 27-30 October, online
- COVID-19 response in the area of Communication, 7-9 September, online
- COVID-19 response in the area of Communication and HRMT, 9-11 September, online & ECCAA session
- Data Collection in times of COVID-19, 5-8 October, online
- HLG-MOS Modernisation Workshop, 18-19 November, online
- Differential Privacy workshop, 30 October, online
- Machine Learning Webinars, 16-17 November, online
- StatsBots Webinar, 20 November, online
- Machine Learning Project Sprint, 31 March - 16 April, online
- Machine Learning Project Online sessions, 13-15 October
## Workshops and Sprints 2020

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- **Work Session on Statistical Data Confidentiality (not in 2020)**
Collaborative Platform

- Two modernisation projects per year
- Four expert groups (with 10-20 Task Teams)
- Several Modernisation Workshops
- Four thematic innovation workshops
- HLG-MOS Wikis
- Many Sprint Workshops, face-to-face, virtual meetings
Purpose/Objectives workshops

- Platforms for experts to:
  - Present innovative practices
  - Share experiences
  - Enable/Encourage collaboration
  - Identify common future areas of work

- Elements:
  - Presentations
  - Small group discussions
  - Interactive sessions
  - Mini-hackathons
  - Prioritization of future work

- Audience:
  - High-mid level managers
  - Substantive experts
  - NSOs/NSSs, Academia & relevant private sector
Four Thematic Expert Groups

Data Collection

Dissemination and Communication

Data Confidentiality

Data Editing
Workshop on Statistical Data Editing, 31 August-4 September, online: Topics

• Methods: for machine learning and time series data, and new/emerging methods
• Data: 2021 Census, administrative data, geospatial data, big data and other alternative data
• Software: open-source software and software demonstrations
• Quality: assessing data quality and indicators
• Imputation Methods: machine learning and and new/emerging methods
• Processes: editing in a process-oriented set up, standardisation and meta-data driven processes
• Virtual Poster Session
Workshop on Statistical Data Editing, 31 August-4 September, online: Outcome

• Future Topics Identified:
  - Machine Learning, Artificial Intelligence for Edit and Imputation
  - Modernisation of data editing and statistical production
  - Use of admin data for Edit and Imputation
  - Data Editing and preprocessing of new digital data for statistical purposes
  - Quality

• Collaboration:
  - (new) Methodologies for imputation + estimating its variance for register based/combined census model.
  - Development of e-learning courses e.g. for GSDEMs, validation, influence observation + more complex methods
  - Comparison with standard tools e.g. CANCEIS, BANFF, etc
  - Design of E&I, guidelines when "no intervention"/"simple methodology" would be fit for purpose
COVID-19 response in the area of Dissemination and Communication 7-9 September: Topics/Sessions

• Communicating the impact of the crisis on existing products.
• Communicating about new products developed in response to the crisis, including providing services that are not traditionally delivered by National Statistical Offices.
• Communication with data providers and respondents.
• Internal communication in times of Covid-19 with respect to working remotely, safeguarding the health of staff, and measures to ensure their well-being during this period.
• Remote recruitment, induction/onboarding and training and how to engage new staff during the confinement and in the ‘new’ normal and more permanent changes to our organisations in these activities.
COVID-19 response in the area of Dissemination and Communication 7-9 September: Outcome

• Good Crisis Communication planning important (internal, respondents, data users)

• Many new products and dissemination platforms (dashboards) developed in short period with timely and detailed data → ‘Nurses of information’

• Pandemic worked as a catalyzer and accelerator for change

• Reputation NSO enhanced as we delivered → Costumers expectation have been raised

• NSOs were flexible, innovative and showed agility → how to retain this (but cannot continue at this pace)

• Communicating the value of our official data is challenge → proactive explanations about methods and data limitations needed

• Customer-centric approaches needed
Data Collection in times of COVID, 5-8 October 2020: Topics

- Impact on CAPI and use of CATI and CAWI in multi-mode data collections
- Actual development of responses (&by subgroups)
- Measures to mitigate the impact on census and surveys
- Arrangements made before the crisis that minimized its impact
- Practices that exacerbated the impact of the crisis
- New approaches to better communicate with respondents & deal with perceived burden in pandemic

- New data needs during the Covid-19
- Role of NSOs in coordinating nationwide data collection in the national Covid-19 response
- Impact on partnerships or collaborations in response to the pandemic
- Temporary measures and changes in the mix of modes and their impact on comparability of data
- Instructing and recruiting interviewers/enumerators when in lock-down or with distancing rules
- How to reintroduce field operations (CAPI new style)
- New modes of data collection and adaptations (CAVI and other new modes)
- New sources (use of new administrative data or none-traditional sources etc.)
- New roles and areas or work in the national data ecosystem (permanent changes)
- Brand capitalizations: increased value proposition official statistics and trust in NSOs
- Changes in the access and usage of sensitive data or the ability to use privacy sensitive data
Data Collection in times of COVID, 5-8 October 2020: Outcome

• Overall pandemic had/has significant negative impact on data collection
• More modernized statistical production: lower disruption and the easier to adapt
• Offices stepped up and rapidly collected new data or with higher frequency
• Pandemic was a catalyzer and accelerator for change; it brought innovation and creativity
• Using new data sources needs time. Fastest tool to get new data: surveys
• Remotely Training and retraining (if switching modes) of interviewers and testing is a challenge. But contacts have also improved (more interaction by phone/video calls)
• Adapting call centres or working from home has technical & security issue
• Productivity went up and sick leave down but not sustainable and working from home not for everybody
• Reputation of NSOs improved: we are a trusted and flexible source with quality data
HLG-MOS Modernisation Workshops on Web & WIKI

Modernisation Workshops

Overdue modernisation of the Statistical and Management Systems Unit of UNECE and the COVID-19 pandemic, most workshops planned for 2020 were cancelled and replaced by sessions on Covid-19 response in the respective areas.

- HLG-MOS workshops on the Modernisation of Official Statistics, 18-19 November 2020, online
- HLG-MOS workshop on the Modernisation of Official Statistics, 18-19 November 2020, online
- Webinar on Statistical Data and COVID-19, 17-18 November 2020, online

Meetings on statistical data sharing, government of 8 August to 19 September 2020 (changed to online event)

The focus of an ongoing work and data sharing initiatives from 2020 and 2021, we are now facing a new form of cooperation and modernisation of statistical and information systems for the COVID-19 pandemic, as well as modernisation of the use of the Statistical and Management Systems Unit of UNECE and the COVID-19 pandemic, most workshops planned for 2020 were cancelled and replaced by sessions on Covid-19 response in the respective areas.

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These workshops are organized by the Statistical Modernisation and Information Management Unit of the Statistical Division of UNECE. The focus is on ongoing work and data sharing initiatives from 2020 and 2021, we are now facing a new form of cooperation and modernisation of statistical and information systems for the COVID-19 pandemic, as well as modernisation of the use of the Statistical and Management Systems Unit of UNECE and the COVID-19 pandemic, most workshops planned for 2020 were cancelled and replaced by sessions on Covid-19 response in the respective areas.

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We very much welcome visitors and partners to attend any of our workshops. Please contact UNECE Press at press@unece.org if you are interested.

HLG-MOS Modernisation Workshops on Web & WIKI

Management and Modernisation Workshops:

- Online meeting on the COVID-19 response in the area of Communications and KMHT 1-4 September 2020
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Sharing Tools Group in 2020

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Sharing Tools

• Was mainly inactive in 2020

Activities:

• Finalizing CSPA 2.0 (to be released this year)
• Co-organizing ModernStats World workshop

• I3S project (but also delayed/frozen):
  – Shareable services (for CSPA catalogue)
  – Architecture Guidelines
  – Cookbook on integration
  – Communication/Survey etc.

• 2021: CSPA moved to Supporting Standards Group
Sharing Tools: achievements

• CSPA 2.0
• CSPA Logical Information Model
• Global Artefact Catalogue
  – Service Catalogue: at your service and add your service!
• Training material
• Concepts: containerization, adaptors, features/requirements etc.

• Finding out that sharing services is difficult
  – but developing on your own as well
  – and duplication is a waste
  – CSPA to be continued…
Questions