Standard-based Modernisation and ModernStats Models

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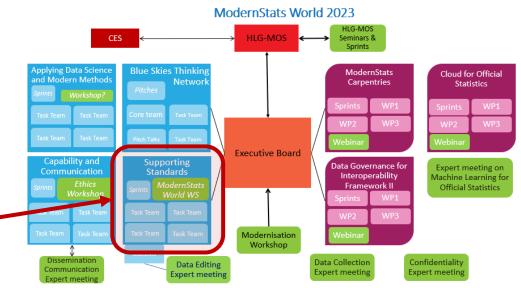
HLG-MOS and Supporting Standards Group

- [High-Level Group on Modernisation of Official Statistics (HLG-MOS)](#) is a group of chief statisticians that was set up by Conference of European Statisticians (CES) to actively steer and guide the modernisation of statistical organisations.

- [Supporting Standards Group](#) is one of four HLG-MOS Modernisations Groups
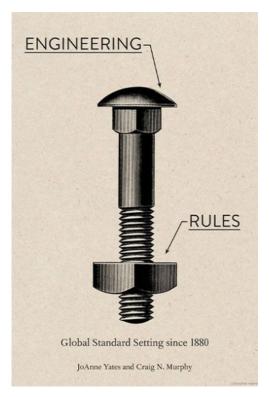
Standard-based modernisation

"process of starting to use the most recent methods, ideas, equipment so that something becomes or seems more modern"
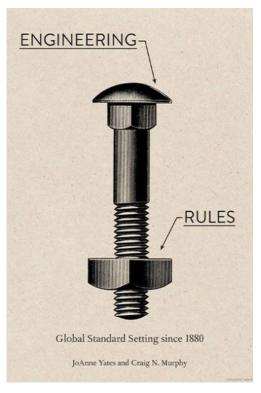
(Cambridge Dictionary)

Standard-based modernisation

Global Standard Setting since 1880

JoAnne Yates and Craig N. Murphy

The standardization of screw threads was a signature moment in the [industrialization]
(Engineers set the standards, MIT News, 2019)

Standard-based modernisation

ENGINEERING

RULES

Global Standard Setting since 1880

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Standard-based modernisation

Generated by DALL.E

- If we want to do more with less – only way is to become more efficient
- The standardisation is particularly important from the organisation perspective

Supporting standards
Modernisation of Official Statistics

modernstats
at HLG - MOS

Standard-based modernisation

Generated by DALL.E

- If we want to do more with less – only way is to become more efficient
- The standardisation is particularly important from the organisation perspective
- ModernStats models provide generic framework
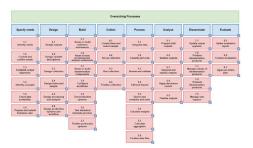- Standardisation of the way we work can amplify the benefits of technical innovations
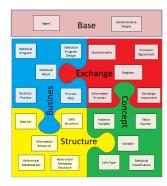
ModernStats Models

GSBPM – Activities related to statistical production **process**

GAMSO – **Activities** in statistical organisations

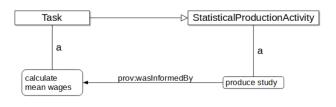**GSIM** – **Information** inputs and outputs for the production process

ModernStats Models

CSPA – Common Statistical **Production** Architecture

CSDA – Common Statistical **Data** Architecture

COOS – Common **Ontology** for Official Statistics

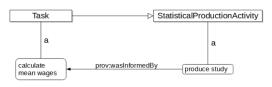# ModernStats Models

Common elements in all models
- Developed by statistical organisations, for statistical organisations
- Voluntary adoption
- Agnostic to technology, data and method

Evolution of the ModernStats models

GSBPM
(2008)

GSIM
(2012)

CSPA
(2013)

GAMSO
(2017)

CSDA
(2017-18)

COOS
(2023)

- ModernStats models set has expanded over time
- Each model has evolved over time
- More attention to the "integration" of the models

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Evolution of the ModernStats models

Is standardisation against innovation?

They can complement each other

Thank you!

For more information:
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