



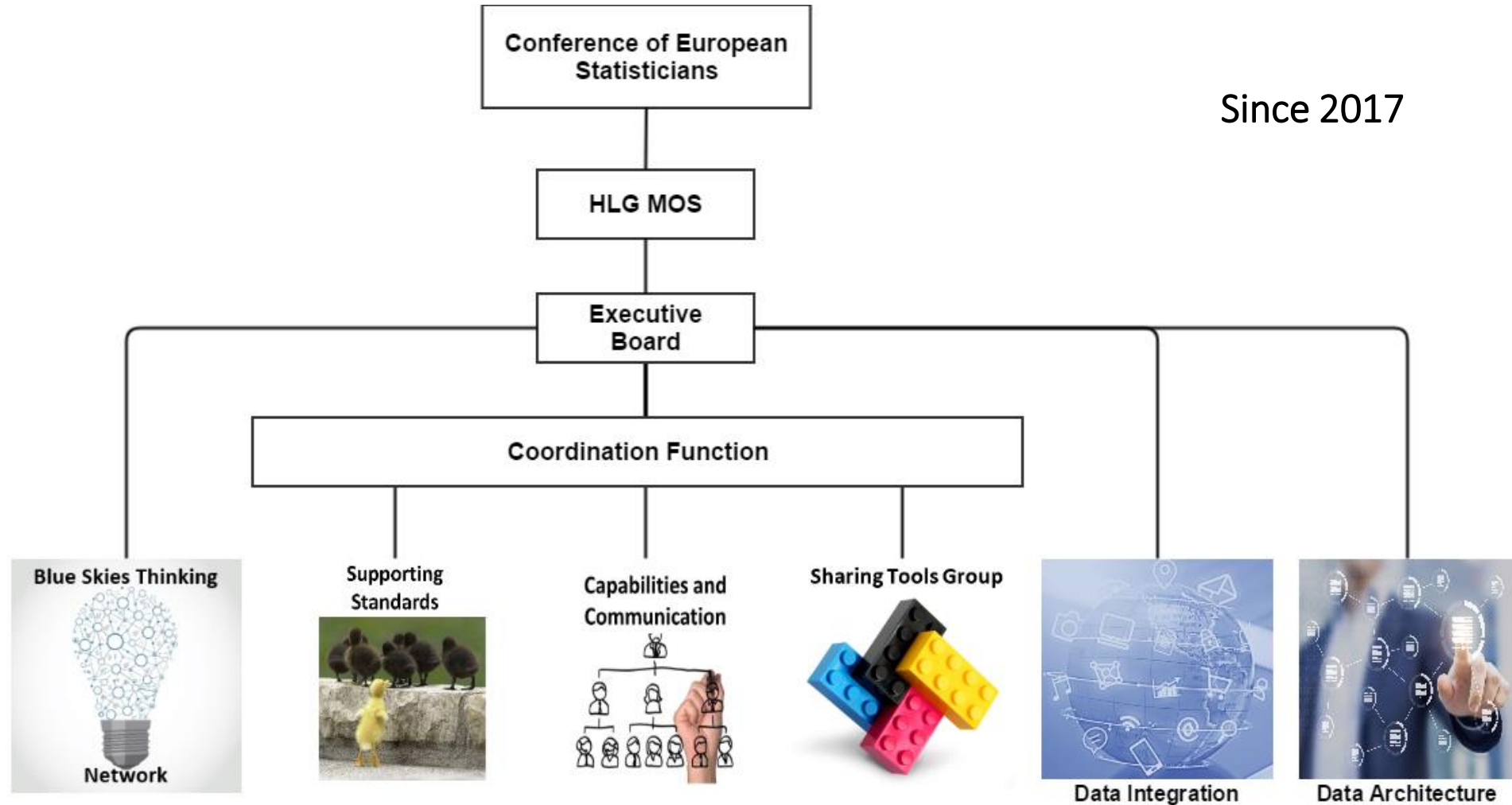
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Introducing modernstats

- An initiative of the High-level Group for the Modernisation of Official Statistics
 - Heads of 13 statistical organisations
- Annual projects in priority areas
- Expert groups and task teams
- Activities are voluntary and demand driven

Governance Structure

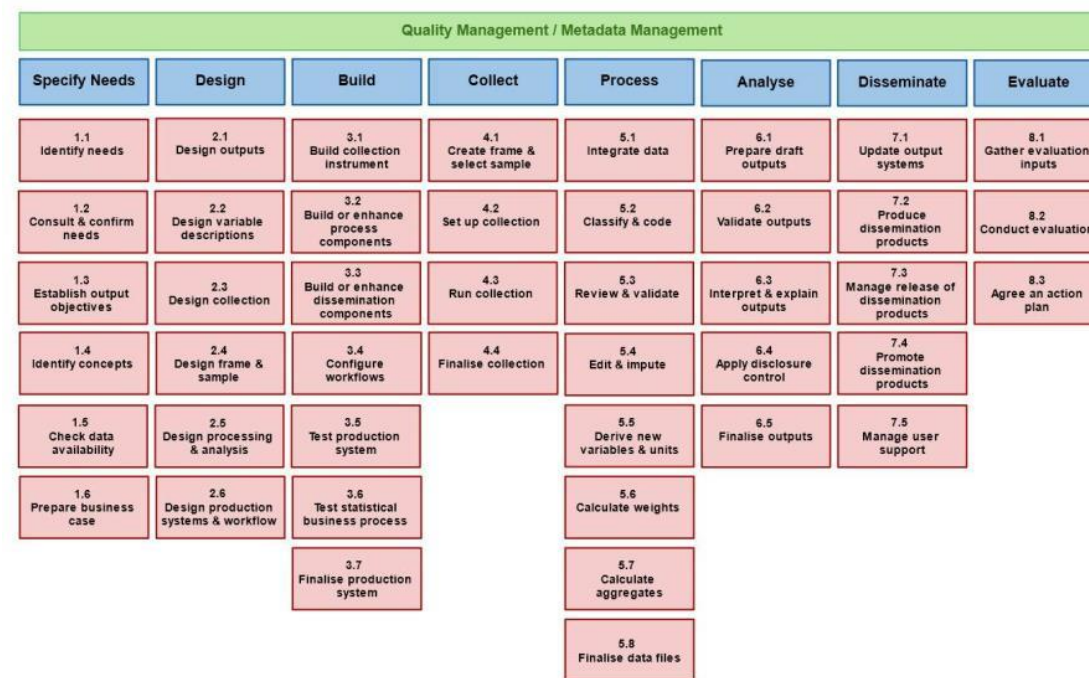


Modernstats Models and Frameworks

- The mission of HLG-MOS is to oversee development of frameworks, and sharing of information, tools and methods, which support the modernization of statistical organizations.
- These models and frameworks are cross-cutting, supporting the modernisation of all types of statistical production.

Generic Statistical Business Process Model (GSBPM)

- It defines and describes the processes needed to produce official statistics.
- The GSBPM is used by more than 50 statistical organisations worldwide.



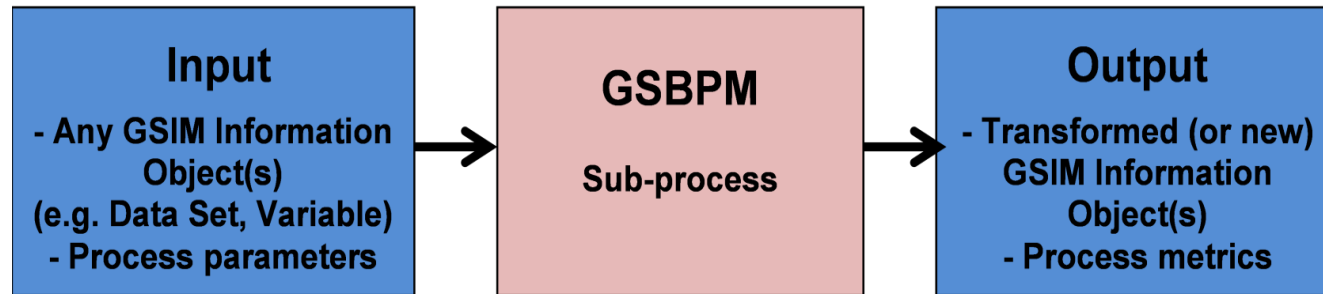
Generic Activity Model for Statistical Organisations (GAMSO)

GAMSO extends and complements the GSBPM by adding other activities needed to support statistical production



Generic Statistical Information Model (GSIM)

GSIM describes the information objects and flows within the statistical business process.



It can use be used to consistently design processes and to more easily share software between statistical organisations

CSPA

the Future of
Statistical
Production



Modernisation Maturity Model (MMM)

The MMM and its Roadmap focus on how to build organisational capabilities through implementation of the models and standards identified as key to statistical modernisation i.e. [GSBPM](#), [GAMSO](#), [GSIM](#) and [CSPA](#).

	Target						
	Silo	Integrated	Componentised	Services	Composite	Virtualised	Dynamically Re-configurable
Business Activity View ie. Collections	Isolated Collection Driven	Collection Business Process Defined	Componentised Business Activities	Business provides & consumes activities	Assemble to Order (design- time)	Provider- independent Assemble to Order	Plug n Play (run-time) BPM & BAM
Business Capability View	Isolated Business Line Driven	Collection Business Functions Defined	Componentised Business Functions	Business provides & consumes services	Formal, Standardised Business Services	Provider- independent Business Services	Business Capabilities via Run-time Configurable Services
Statistical Methodology	Isolated Business Line Driven	Collection Methods Defined	Common Methods	Service Oriented methods	Standardised, Configurable Methods	Standardised, Configurable Methods	Run-time Configurable Methods
Information	Application Specific Data Solution	Collection Specific - Data Subject Areas Established	Canonical Models	Information as a Service	Enterprise Business Data Dictionary & Repository	Virtualised Data Services	Semantic Information Representation
Application	Monolithic Solutions	Layered Solutions	Component Solutions	Emerging SOA	SOA	Cross Organisational SOA	Dynamically Re- Configurable (Plug n Play) Solutions
Infrastructure & Management	Solution Specific	Enterprise Standards	Common Reusable Infrastructure	Project Based SOA Environment	Common SOA Environment	Virtual SOA Environment: Sense & Respond	Real-time Event-based: Sense & Respond
Governance & Organisation	Adhoc Strategy & Governance	Defined governance processes	Common Governance Framework	Emerging business service governance	Business Service and IT Governance Aligned	Business Service and IT Governance Aligned	Governance via Embedded Policy
Design Practices	Isolated or Non-existent Design	Centralised, non-standard Design	Common Design Objects	Service Oriented Modelling	Business Process and Capability Modelling	Business Process & Capability Modelling for Infrastructure	Run-time Business Process & Capability Modelling

Surrounding influences

Strategic Investment Planning

The data showed that 31% of investments being made by statistical offices were related to the development of new statistics.

The highest number of investments (17.5%) were related to Statistical Product Innovation.

It was reported that 38.2% of the investments were innovation activities – research and innovation to develop new capabilities and or new types of output





Blue Skies Thinking Network

- An initiative to create the “ideas factory” for statistical modernization.
- The network provides a research and innovation environment where members share ideas and look for partners to explore the potential benefits for statistical organizations.



"Telling stories with SDG data" Hackathon

A 3 day virtual hackathon was held 5 - 7 September 2017.

Teams were given data for one SDG indicator and challenged to create a product using it.

Chief Statistician Sprint: Innovation

- Modernisation is not a destination, it is an ongoing process within a statistical organisation.
- 1 day event targeted at Chief Statisticians and senior managers to discuss:
 - What do we want to innovate?
 - How can we innovate?
 - What is the role of the chief statistician?



Projects for 2017

Data Integration

- Complete the guidelines
- Practical experiments with different data sources



DATA INTEGRATION



DATA ARCHITECTURE

Data Architecture Project

- How to manage increasingly diverse data types within a statistical organisation

Get involved!

Anyone is welcome to contribute!

More Information

- HLG-MOS Wiki:

www1.unece.org/stat/platform/display/hlgbas

- LinkedIn group:

[“Modernising official statistics”](#)

