



Bert Kroese and Trevor Fletcher,
on behalf of HLG Interim Project Board

Interim HLG Project Board

- Responsible for the tactical and operational management of on-going projects during 2013
- Comprised of senior managers from national and international statistical organisations



Who are we?

- Frank Yu (Australia)
- Jenine Borowik (Australia)
- Alice Born (Canada)
- Peter Morrison (Canada)
- Bert Kroese (Netherlands)
- Matjaz Jug (New Zealand)
- Rune Gløersen (Norway)
- Jan Jones (UK)
- Ron Bianchi (United States)
- Jean Marc Museux (Eurostat)
- Trevor Fletcher (OECD)



The Road to Standards Based Modernisation

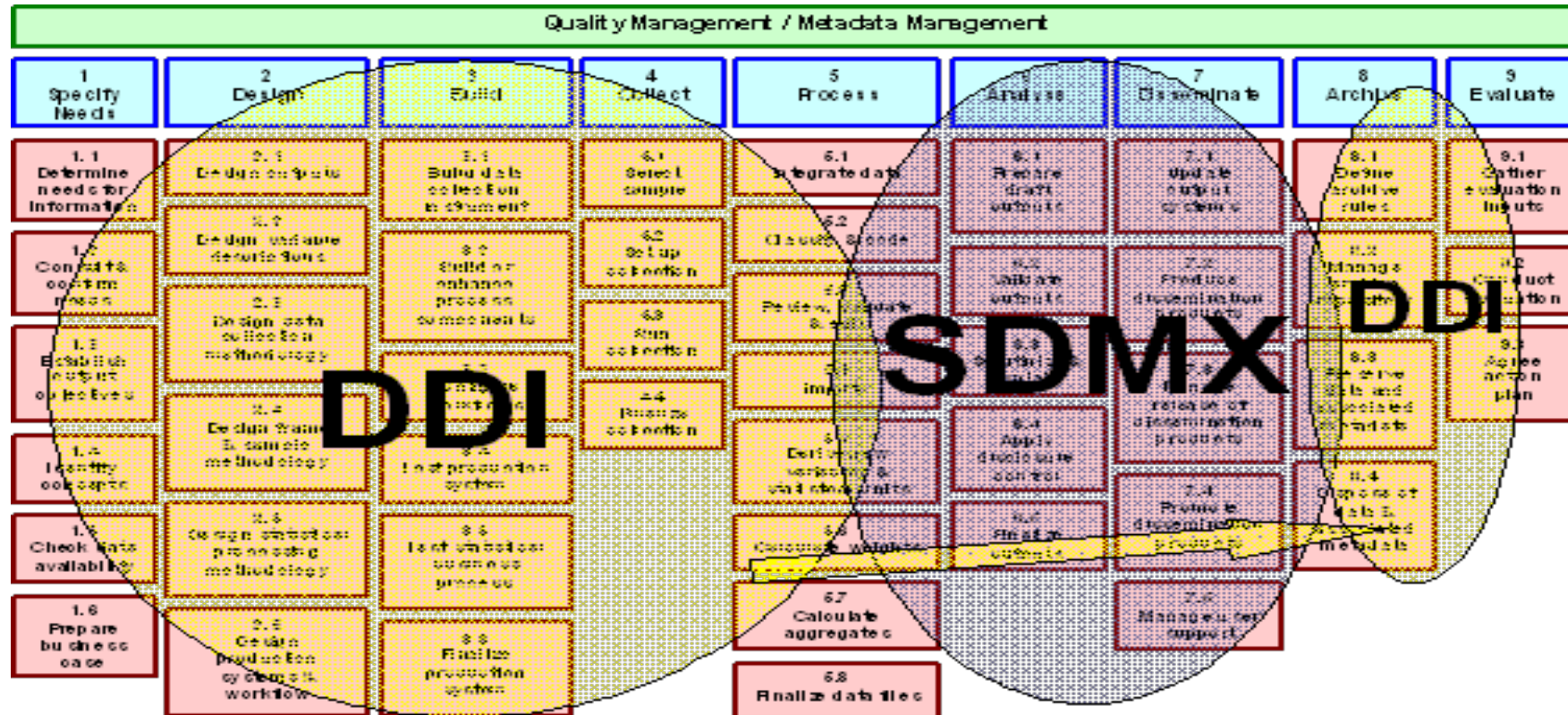
2009

The GSBPM

Quality Management / Metadata Management								
1 Specify Needs	2 Design	3 Build	4 Collect	5 Process	6 Analyse	7 Disseminate	8 Archive	9 Evaluate
1.1 Determine needs for information	2.1 Design outputs	3.1 Build data collection instrument	4.1 Select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Define archive rules	9.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.2 Set up collection	5.2 Classify & code	6.2 Validate outputs	7.2 Produce dissemination products	8.2 Manage archive repository	9.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design data collection methodology		4.3 Run collection	5.3 Review, Validate & edit				
1.4 Identify concepts	2.4 Design frame & sample methodology	3.3 Configure workflows	4.4 Finalize collection	5.4 Impute	6.4 Apply disclosure control	7.3 Manage release of dissemination products	8.3 Preserve data and associated metadata	9.3 Agree action plan
1.5 Check data availability	2.5 Design statistical processing methodology	3.4 Test production system		5.5 Derive new variables & statistical units				
1.6 Prepare business case	2.6 Design production systems & workflow	3.5 Test statistical business process		5.6 Calculate weights		7.5 Manage user support		
		3.6 Finalize production system		5.7 Calculate aggregates				
				5.8 Finalize data files				

2010

A Framework for combining standards?



Something was missing, we needed a layer between GSBPM and the data transfer standards

2010

High Level Group for the Modernisation of Statistical Production and Services (HLG)

- Created by the Conference of European Statisticians in 2010
- 10 heads of national and international statistical organisations



STATISTICS KOREA



Statistics
Canada

Statistique
Canada



2011

1st HLG Workshop

Workshop attended by members of HLG and 25 expert groups resulted in decision to accelerate development of GSIM

2012




GSIM *PROJECT*



2012

2nd HLG Workshop

Workshop attended by members of HLG and 25 expert groups resulted in decision to accelerate development of CSPA and implementation of the frameworks and standards needed for statistical modernization.



Frameworks and
Standards
for
Statistical
Modernization

Achievements

- Implementations of modernised statistical production processes based on the GSBPM and GSIM
- Enhanced versions of those standards and accompanying documentation.
- Improved mapping between standards
- Establishment of a single point of reference for information on the standards

Future work

- Provide support for users of GSIM and GSBPM
- Continue work on GSIM Implementation (for example DDI profiles)
- Collaborate with methodologists and quality experts to improve those aspects of GSIM

Future work

- Look for opportunities to influence the collaboration occurring in the UN Statistical Geospatial Expert Group



**Fostering Interoperability in Official Statistics:
Common Statistical Production Architecture**

Rationale

- Why do we need interoperability?
 - Increasing pressures: Do more with less resources
 - We need to standardise within our organisations to improve efficiency
 - Standardising across organisations is even more efficient!
 - More international collaboration needed
 - CSPA provides the framework to facilitate this

Achievements

Architecture Strand

- A set of agreed specifications

Proof of Concept Strand

- A practical demonstration of the benefits of a common architecture



...but more work is needed

CSPA: Developing the architecture further

Business Architecture

- Designing processes
- Granularity of services

Information Architecture

- GSIM implementation

Application Architecture

- Security architecture
 - Authentication and authorization
 - Data in transit
 - Machine to machine certification

CSPA: Enablers

- Licencing issues
- Catalogues
- Governance procedures, structures for people to invest, standard processes for building capability
- Standardisation of methodology

CSPA: Implementing CSPA

- Helping organisations to adopt CSPA
- Guidance on what it means to be CSPA aligned?
- How to people use the services?
- What is the impact on the business of adopting CSPA?

The full benefit of CSPA will only be realised when it is used in production

What does it mean to use CSPA in production?

- We should find real/genuine collaboration opportunities and make international decisions and investments
- The aim is not to keep refining CSPA, but to get real (business) benefits for statistical organisations
- However, by using CSPA in practice, we will also find ways to improve it
- CSPA is the enabler, not the goal!



2013 has seen:

On the conceptual side new versions of
GSIM, GSBPM and CSPA

A move to the practical in a
demonstration of how to implement
those conceptual frameworks

We hope that 2014 brings further
practical implementation work