

Statistical Metadata and the GSBPM

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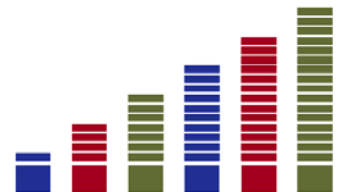
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Drivers for Change

CSO 2020 Project
Quality Management Framework
European Statistical Code of Practice
Regulation (EU) 2015/759
Irish Statistical System (ISS)
National Statistics Boards

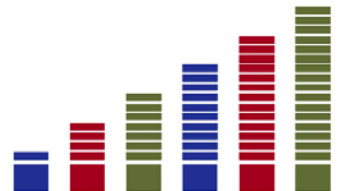


History of metadata

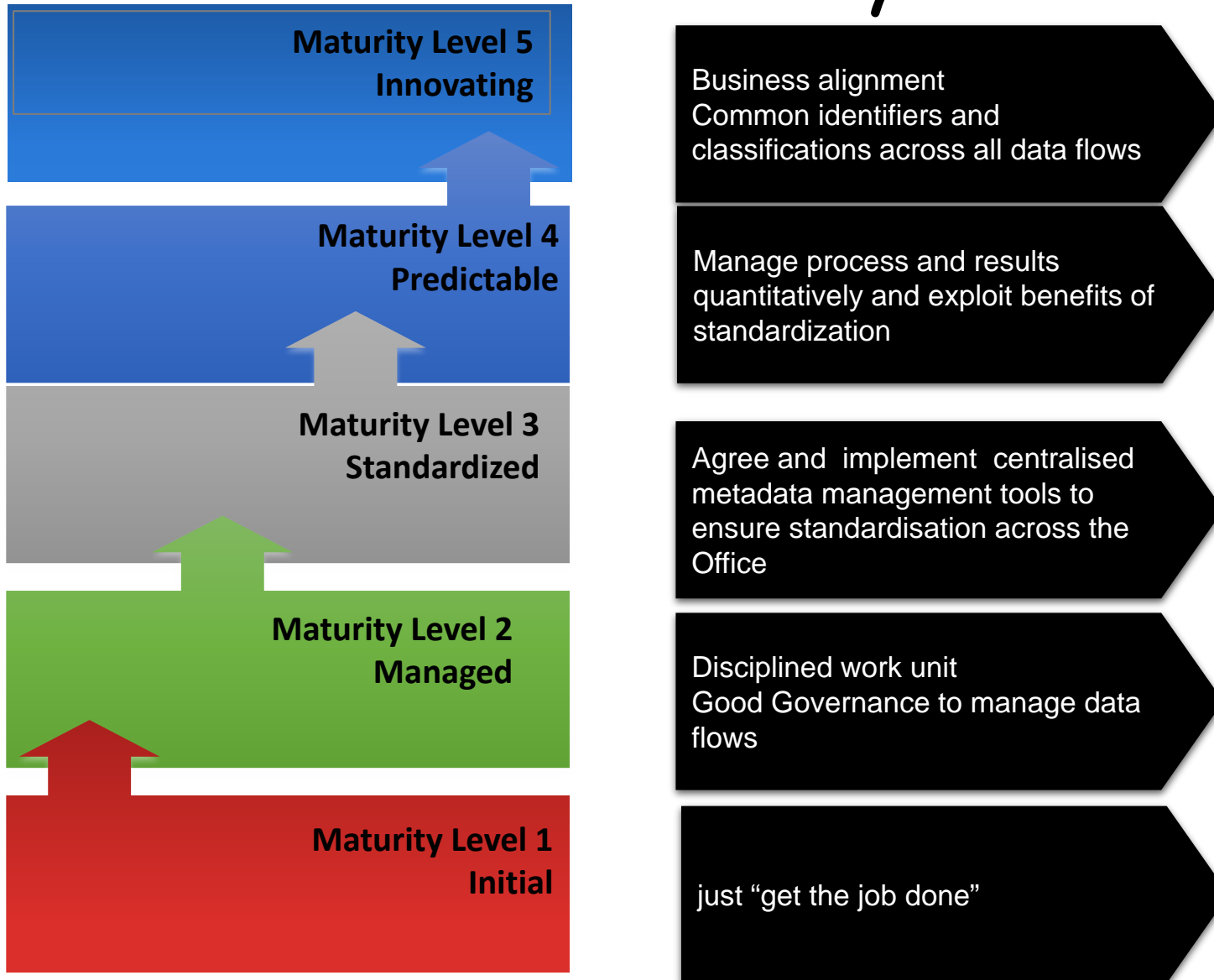
Historically multiple working groups set up, reports issues but little achieved.

Metadata not managed centrally, local silos.

Metadata now integrated into Quality Management Framework, senior management dedication to change.



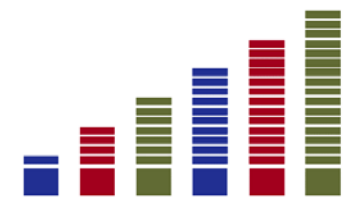
Data Maturity Model



GSBPM 5.0

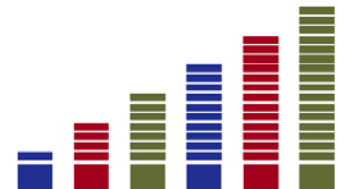
Quality Management / Metadata Management							
Specify Needs	Design	Build	Collect	Process	Analyse	Disseminate	Evaluate
1.1 Identify needs	2.1 Design outputs	3.1 Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather 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 Conduct evaluation
1.3 Establish output objectives	2.3 Design collection	3.3 Build or enhance dissemination components	4.3 Run collection	5.3 Review & validate	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	8.3 Agree an action plan
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.4 Finalise collection	5.4 Edit & impute	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.5 Check data availability	2.5 Design processing & analysis	3.5 Test production system		5.5 Derive new variables & units	6.5 Finalise outputs	7.5 Manage user support	
1.6 Prepare business case	2.6 Design production systems & workflow	3.6 Test statistical business process		5.6 Calculate weights			
		3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

GSBPM v5.0



Phases 1-3

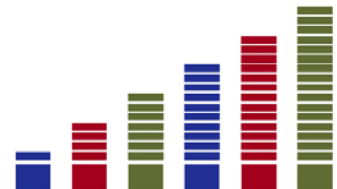
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1.6 Prepare business case	2.6 Design production systems & workflow	3.6 Test statistical business process
		3.7 Finalise production system



Phases 1- 3

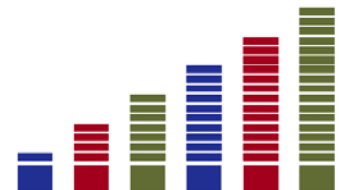
Design, Setup Testing, Methodology

- Currently setting up template for documentation to be stored in information system. Searchable by flow key reference.
- Questionnaire banks, Variable banks being considered for the future.
- Standardised view required for documentation but challenges exist - large variations in statistical processes.



Phases 4-7

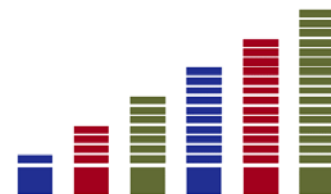
Collect	Process	Analyse	Disseminate
4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems
4.2 Set up collection	5.2 Classify & code	6.2 Validate outputs	7.2 Produce dissemination products
4.3 Run collection	5.3 Review & validate	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products
4.4 Finalise collection	5.4 Edit & impute	6.4 Apply disclosure control	7.4 Promote dissemination products
	5.5 Derive new variables & units	6.5 Finalise outputs	7.5 Manage user support
	5.6 Calculate weights		
	5.7 Calculate aggregates		
	5.8 Finalise data files		



Metadata - the future for CSO

Currently Silos of unstandardised information

- Where to start?
- Disseminate phase is organised, so best place to start.
- Work towards CSO SIMS



Conclusion

Early Stages of development

Work towards a converged solution

Consider all tools and others
experiences

Goal is Quality Statistics

