



INSTITUTO NACIONAL DE ESTATÍSTICA Statistics Portugal







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EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS 2024 ESTORIL - PORTUGAL



Consistent Quality Reporting while reducing reporting burden: a case study for SIMS implementation

Susana Portillo Cruz Central Statistics Office - Ireland









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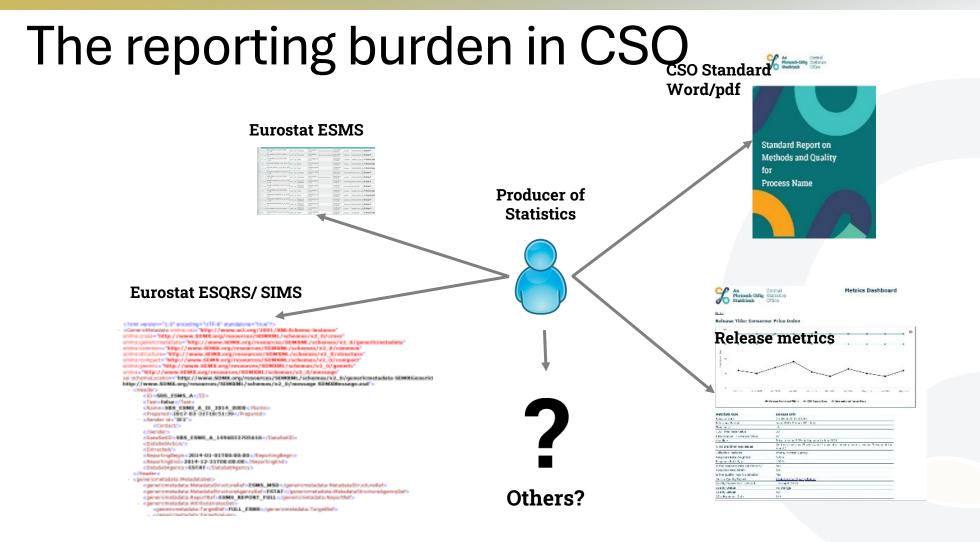










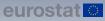








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Ideal solution?

Producer of **Statistics**



Reporting concepts collection interface **CSO Standard** Word/pdf 🕺



Eurostat ESMS

Eurostat ESQRS/ SIMS

et.com/v=http://www.50400.org/resources/S040041/ichemen/v2_6/genericmetadete S04006ereric www.50402.org/resources/S040041/isheres/v2_6/mersage_504008ereage.asd* = 10+505_E5M5_A+/10+ entry Balance, Taxa Lando HER DEMN A 10 3014 0000-Citameo-Prepared-2012-00-02710-51:09-Citrapered-Sender 40-7933-0 CD- 585_E5865_A_1494833705818+(DateSetD) 2014-01-01780-00-00-01780-00-00-0 Indo 3014-12-33100.00.000-, ReportingEnd proce-456AT-c/DataGetApency> reliaf VESMS_MS0<. Spen tadata: NetadataStructureRef: of STATE AND investation of a lange of the sector all as a working of the sector of the sector and the sector a Reported - SHARE REPORT FULL COM contractor to Report The stilled PLAL DESCRIPTION







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Step 1. Harmonisation

- Create Base set of reporting concepts
 - SIMS vs National report alignment
 - 90% overlap
 - Added any missing SIMS concepts
 - Extended SIMS with extra national concepts
 - Extra national were part of Eurostat's explanations on what to add under a concept







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Example of SIMS extension

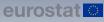
CONCEPT_NAME	▼ SIMS ID ▼	ESQRSIE 🔻	ESMSID 💌	CSO SIMS ID 💌	usage (SIMS/ Domain specific)	🝷 parent 💽 NCEPT 📑
DATA_REV_AVGSIZE	S.17.2.1	6.6.1	-	19.2.1	SIMS	REV_PRACTICE
STAT_PROCESS	S.18	3	18	20	SIMS	N/A
SOURCE_TYPE	S.18.1	3.1	18.1	20.1	SIMS	STAT_PROCESS
POP_FRAME					CSO SIMS	SOURCE_TYPE
SAMP_DESIGN					CSO SIMS	SOURCE_TYPE
SURVEY_SIZE					CSO SIMS	SOURCE_TYPE
SURVEY_TECHNIQUE					CSO SIMS	SOURCE_TYPE
FREQ_COLL	S.18.2	3.2	18.2	20.2	SIMS	STAT_PROCESS
COLL_METHOD	S.18.3	3.3	18.3	20.3	SIMS	STAT_PROCESS
SURVEY_TYPE					CSO SIMS	COLL_METHOD
QUESTIONNAIRE					CSO SIMS	COLL_METHOD
SURVEY_PARTICIPATION					CSO SIMS	COLL_METHOD
DATA_CAPTURE					CSO SIMS	COLL_METHOD
DATA_VALIDATION	S.18.4	3.4	18.4	20.4	SIMS	STAT_PROCESS
DATA_COMP	S.18.5	3.5	18.5	20.5	SIMS	STAT_PROCESS
IMPUTATION					CSO SIMS	DATA_COMP
IMPUTATION_RATE	S.18.5.1	6.3.4.1	-	20.5.1	SIMS	DATA_COMP
GROSS_WEIGHT					CSO SIMS	DATA_COMP
ADJUSTMENT	S.18.6	3.6	18.6	20.6	SIMS	STAT_PROCESS
SEASONAL_ADJ	S.18.6.1	6.4	-	20.6.1	SIMS	ADJUSTMENT
COMMENT_DSET	S.19	12	19	21	SIMS	N/A







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Step 2 - Migration

- Dedicated team:
 - Compile information from different sources
 - ESMS/ESQRS/SIMS
 - CSO Standard
 - Background notes
 - Other sources
 - Complete a CSO SIMS word template with the content
 - Liaise with subject matter in finalising the migration to new structure









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Step 3 – The software solution

- Web based
- Built on existing CSO tools: DPS/Colectica
- Audience specific text: different text for Eurostat/national
- Mandatory concepts
- Rollover report between iterations
- Compare with previous
- Extract pdf and SDMX files for dissemination
- Approval workflow functionality



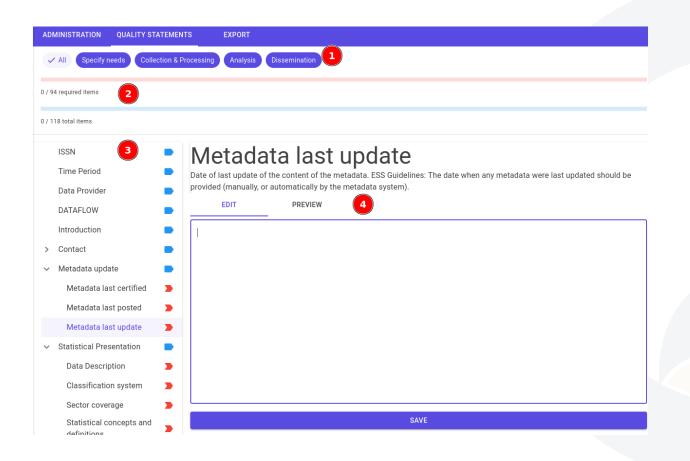






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Step 3 – The software solution









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Difficulties

- Complex structures: what report covers which products
- Change management: less flexibility for producers, more quality control
- Knowledge: what content goes under which concept
- Resources: too busy generating outputs to focus on quality reports
- Technical: software built upon complex model and needs to integrate with existing system.







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Benefits

- Governance of quality reports: regularly updated
- Consistent reporting on concepts: same concept = same information
- Quality controls in place for dissemination
- Consistent look and feel trust the source!





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Future phases

- Integrate further with existing systems
- Expand the number of reports created
- QPI based Quality dashboard for management of statistical processes





Thank you.

Questions?



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