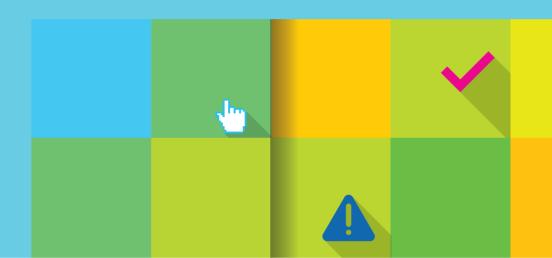


FIFTH INTERNATIONAL WORKSHOP ON BUSINESS DATA COLLECTION METHODOLOGY

19-21 SEPTEMBER 2018 - STATISTICS PORTUGAL, LISBON





STANDARDIZATION OF THE DATA COLLECTION OF BUSINESS STATISTICS IN BELGIUM

Vanhoucke Sem, Statistics Belgium













Data collection until 2010

- Vertical production of statistics Stovepipes
- A great variety of data collection tools and software
- Inefficient use of means (knowledge monopolized by developer & users, licences for software, access to (production)data not always clear













Towards a single standardized system

- Webbased questionnaires : Xbrl forms
- One single platform Statdata (internal/external)
- Connected to Business Register
- All data exported to Datawarehouse
- Automation of preparation process









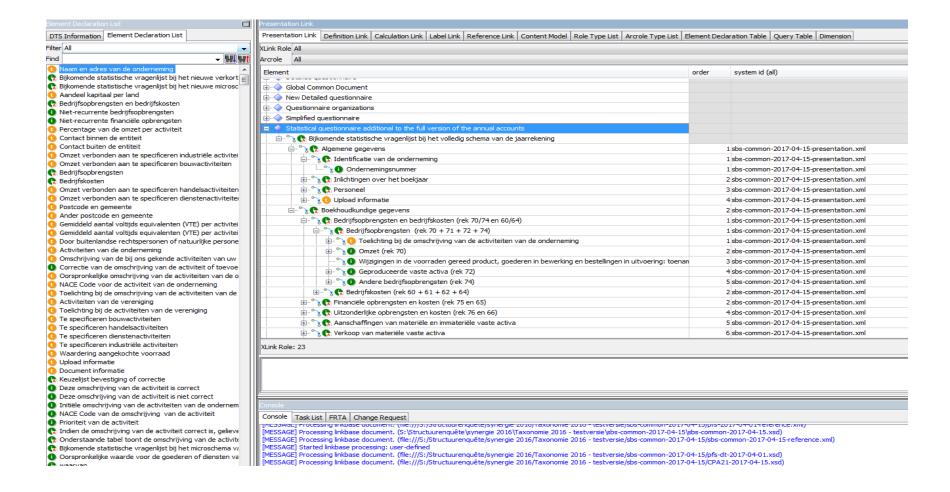


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Xbrl - forms











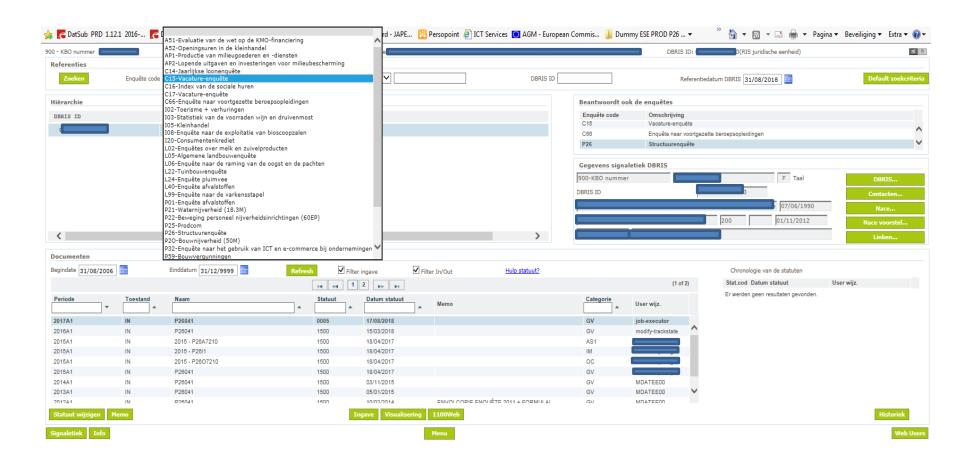


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Statdata platform internal





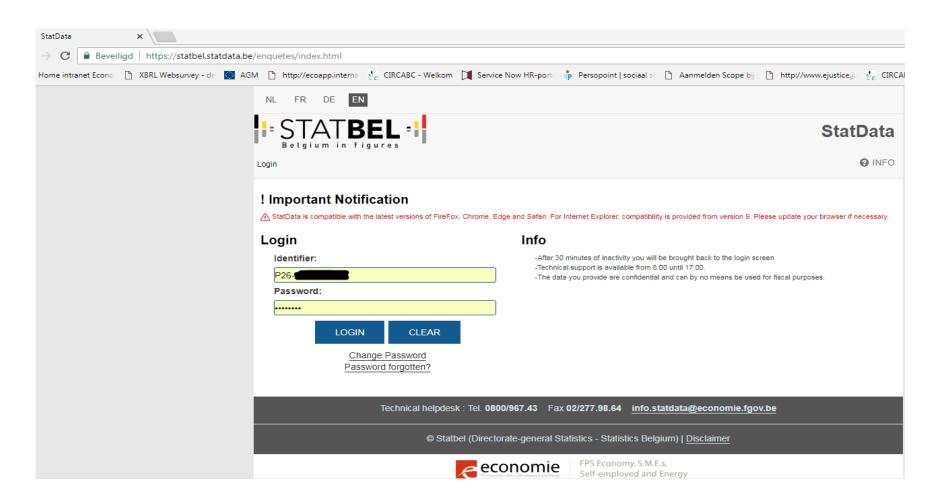






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Statdata platform external













9

Export data to DWH

- General libraries (BR, Nace, Geocodes,...)
- Surveyspecific libraries
- Datacollection libraries
 - Each survey has its own library
 - All libraries have the same structure / tables
 - Survey variables, document status, webusers, ...

```
TU_PDS_BUS_C16_DATA_2012
TU_PDS_BUS_C16_DATA_2013
TU_PDS_BUS_C16_DATA_2014
TU_PDS_BUS_C16_DATA_2015
TU_PDS_BUS_C16_DATA_2016
TU_PDS_BUS_C16_DATA_2017
TU_PDS_BUS_C16_DATA_2018
TU_PDS_BUS_C16_DOCUMENTS_2012
TU_PDS_BUS_C16_DOCUMENTS_2013
TU_PDS_BUS_C16_DOCUMENTS_2014
TU_PDS_BUS_C16_DOCUMENTS_2015
TU_PDS_BUS_C16_DOCUMENTS_2016
TU_PDS_BUS_C16_DOCUMENTS_2017
TU_PDS_BUS_C16_DOCUMENTS_2018
TU_PDS_BUS_C16_VALUES_2012
TU_PDS_BUS_C16_VALUES_2013
TU_PDS_BUS_C16_VALUES_2014
TU_PDS_BUS_C16_VALUES_2015
TU_PDS_BUS_C16_VALUES_2016
TU_PDS_BUS_C16_VALUES_2017
TU_PDS_BUS_C16_VALUES_2018
TU_PDS_BUS_C16_VARIABLES_2012
TU_PDS_BUS_C16_VARIABLES_2013
TU_PDS_BUS_C16_VARIABLES_2014
TU_PDS_BUS_C16_VARIABLES_2015
TU_PDS_BUS_C16_VARIABLES_2016
TU_PDS_BUS_C16_VARIABLES_2017
TU_PDS_BUS_C16_VARIABLES_2018
TU_PDS_DATENQ_ADD_INFO
TU_PDS_DATENQ_ADD_INFO_TYPE
TU_PDS_DATENQ_CENTRALIZTN
TU_PDS_DATENQ_DOC_CAT
TU PDS DATENQ DOC TYPE
TU_PDS_DATENQ_ID_SHEET_ATTR
TU_PDS_DATENQ_ID_SHEET_VAL
TU_PDS_DATENQ_INT_CD
TU PDS DATENQ LABEL TRANSL
TU_PDS_DATENQ_LOAD
TU_PDS_DATENQ_SVY
TU_PDS_DATENQ_SVY_LVL
TU_PDS_DATENQ_SVY_LVL_NM
TU_PDS_DATENQ_SVY_UNIT
TU_PDS_DATENQ_TRANSTN_REQST
TU_PDS_DATENQ_TRKG_DOC
TU_PDS_DATENQ_TRKG_DOC_STATE
TU_PDS_SAMPLE_ARC
TU PDS XBRL 2012 LOAD
TU_PDS_XBRL_2013_LOAD
TU PDS XBRL 2014 LOAD
TU_PDS_XBRL_2015_LOAD
TU PDS XBRL 2016 LOAD
TU_PDS_XBRL_2017_LOAD
TU_PDS_XBRL_2018_LOAD
TU_PDS_XBRL_DATENQ_LINK
```







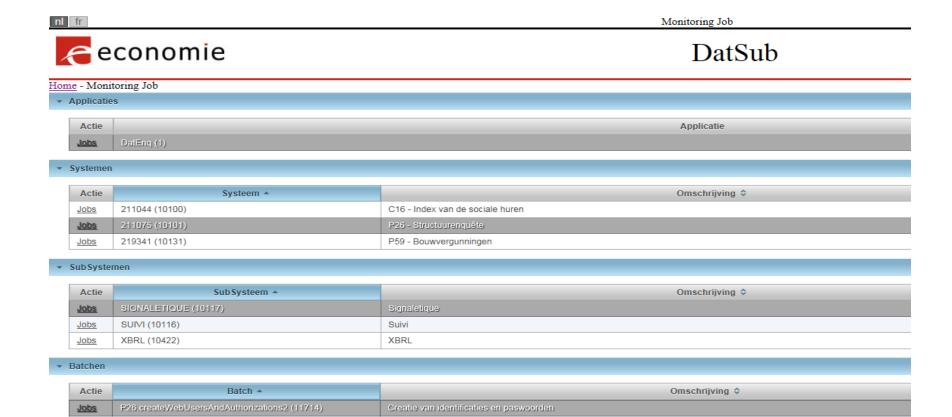




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Automation jobs



datenq.LoadFromSas_Sample

CD00 - Synchronisatie Datenq / DBRIS - enquêtes per steekproef

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P26.listInactiveSample (11016)

Jobs



P26.datenq.LoadFromSas_Sample (10701)











Advantages

- eGovernment
- More control/process ownership/insight for the data-collection section
- Cost-reduction
- Standardized process
 - More flexibility deployment of employees
 - More shared knowledge













Critical reflections

- Does the data collection system influences the content a survey? Are data-collectors statisticians?
- Limited time for other work as a consequence of Process ownership
- Can one generic system be the best system for every survey







