Generic Statistical business register project

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Agenda

• What is a (statistical) business register?
• Background and status for SN’s register project
• Future plans
• Obstacles
What is a statistical business register?

- Information about businesses
  - Legal units, Local units, Enterprises, Kind-of-activity units, Local Kind-of-activiti units, Enterprise groups

- Kinds of information:
  - ID characteristics (identifier, name address...)
  - Demographics (start-up/end date, founders...)
  - Stratification: (legal form, NACE/ISIC, turnover...)

Statistisk sentralbyrå
Statistics Norway
Statistics versus «the real world»

- What is registered:
  - Legal units
  - Local units
  - (enterprise groups)

- What is used for statistics:
  - Enterprises
  - KAU/LKAU
  - ...

Diagram:

- Administrative world
- Statistical world
- Enterprise group
- Legal Unit
- Enterprise
- Local Unit
- KAU
- LKAU
Why not go for administrative register in the first place?

• Yes, but...
  • Laws need to be drafted
  • Responsible institution need to be identified and agreed upon
  • Cooperation between stakeholders needs to be formalised
  • ...

• ..and a statistical register is needed anyway!
Background for business register project at SN

• Statistical BR projects in various partner countries
• Administrative BR in Kyrgyzstan (failed)
• Many study trips and missions about both Administrative and Statistical BR around the world
Main findings:
A statistical Business Register is the same all over the world
But what *are* the differences?

- Languages
- Data sources and data formats
- Address systems
- Classifications (For instance using ISIC or NACE)

All of these differences are manageable
Statistical business register - New International standard

• Released 2015

• Can be downloaded from http://www.unicef.org:8080/index.php?id=40574&L=0
This project’s strategy

- Create the technical solution for the Statistical BR
- For each implementation: Make agreements with 1-3 main registration institutions for data exchange
- Expand number of sources as they become available
- Once the administrative register exist: Use this as the main/only source
The generic business register project

• Rigorously follow the guidelines of UNECE

• First implementations in Kyrgyzstan and Uganda
  • (If special adaptations are needed, they will be added as a separate module for the specific country)

• Current status:
  • Tender finished
  • IT development about to start

• To be licensed as open source(?)
Architecture

• Three tier/MVC architecture

• Pros
  • Secure and safe
  • Available everywhere
  • Expandable
  • Only one version
  • Backup routines
Functionality of the register

- Management of units
  - Modify unit
  - Search
  - Add
  - «delete» and «undelete»
- Analyse register
  - Identify duplicates (due to lack of universal identifier)
  - Uncover other errors and inconsistencies

Data quality will still be a problem
Functionality (cont’d)

• Unit linking
  • Create links between
    • legal units and enterprises,
    • local units and legal unit,
    • …
  • Edit activities of units (=creating LKAUs and LAUs)
• Delete links
Functionality (cont’d)

• Create sample frames (next version: Create the actual samples?)
• Statistical reports
  • Create report templates
  • Run report templates to get reports
Functionality (cont’d)

• Deal with sources and upload data

Data source - metadata

ID
Name
Address
Turnover
Unit type
...

BR - metadata

Register ID
Tax id
Stat id
Other id
Other id type
Unit type
Name
Address
Turnover
...

• Upload
Functionality (Cont’d)

• User management
  • Add users and roles
  • Roles: Includes Statistical division and activity codes, so that each division can update «their» data but nobody else’s

• Supplemental functions
  • Web services to give feedback to partners et
Plans for further development and maintenance

- SN will only maintain the implementations that follow the UNECE guidelines.
- When new projects with new partners come up: add the cost of the next version to the new project.
- Give the new versions to old partners.
An IT system is only a part of the creation of a business register - not the solution

• The Main problems:
  • Unique identifiers
  • Data quality in general
• Cooperation with data owners at all levels (a general MoU is not enough)
• Legal base?
• Daily work with the register