Data Stewardship:
State of the work in Switzerland

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Manuela Lenk, Head of Division
Mathias Steffen, National Data Management NaDB
Federal Statistical Office
Our three (new) tasks

- Statistics
- Data Steward
- Swiss Data Steward
Where we stand right now (autumn 2022)

- **Political Support**
  - "Bundesrats-beschluss" 2019-2022
  - Once Only – Principle
  - New strategic initiatives within Swiss administration

- **Data Harmonization**
  - Domain concepts
  - Standardization

- **Collaboration Model**
  - Data Ownership
  - Data Stewardship
  - Different government levels

- **Implementation**
  - New federal program: "National Data Management ("NaDB") Orders and funding
  - Interoperability Metadata API directory

- **API directory**
Current legal initiatives (1/2)

**Act on the Use of Electronic Means for the Performance of Official Duties**
- Public documentation of the data collections in the federal administration
- Data exchange via electronic interfaces (API)
- Public overview of the electronically available services of the authorities
  -> Consultation in Parliament

**Ordinance on the Organization of the Federal Administration**
- Confirmation of the role model of data stewardship
- Assignment of the role of Swiss Data Steward to the FSO
  -> Government decision
Current legal initiatives (2/2)

**Revision of the Ordinance on the Collection of Statistics**
Confirmation of the role model of data stewardship
Mandate to standardize and harmonize data in the federal administration
→ First version in consultation

**Prolongation of the Programme “National Data Management NaDB”**
Completion of initialisation work and transfer to regular operation
→ Dossier in preparation for government decision
Data Harmonization Approach at FSO

(= used and defined variables from GSIM)
Our **internal metadata catalogue!**
Metadata of a dataset!
## Variables

<table>
<thead>
<tr>
<th>Position</th>
<th>UV Identifier</th>
<th>Name</th>
<th>Role</th>
<th>DV Identifier</th>
<th>DV Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>pseudoVIN</td>
<td>AHV-Versichertennummer (AHV/NI 3)</td>
<td>Dimension</td>
<td>DV_AHV/NI3</td>
<td>Numeric</td>
<td>unique and anonymous personal identification number (PIN)</td>
</tr>
<tr>
<td>2</td>
<td>statYear</td>
<td>Statistical year</td>
<td>Measure</td>
<td>DV_JAHR</td>
<td>Numeric</td>
<td>YYYY</td>
</tr>
<tr>
<td>3</td>
<td>dateOfBirth</td>
<td>Date of birth</td>
<td>Measure</td>
<td>DV_DATE</td>
<td>Date</td>
<td>YYYY-MM-DD: date</td>
</tr>
<tr>
<td>4</td>
<td>arrivalDate</td>
<td>Date of arrival</td>
<td>Measure</td>
<td>DV_DATE</td>
<td>Date</td>
<td>YYYY-MM-DD: date</td>
</tr>
<tr>
<td>5</td>
<td>sex</td>
<td>Sex</td>
<td>Measure</td>
<td>DV_SEXE</td>
<td>CodeList</td>
<td>1: male, 2: female</td>
</tr>
<tr>
<td>6</td>
<td>binational</td>
<td>Double nationality</td>
<td>Measure</td>
<td>DV_JA_NEIN</td>
<td>CodeList</td>
<td>0: no dual nationality, 1: dual nationality</td>
</tr>
<tr>
<td>7</td>
<td>doublet_stat</td>
<td>Duplicate with STATPOP</td>
<td>Measure</td>
<td>DV_JA_NEIN</td>
<td>CodeList</td>
<td>0: no duplicate, 1: duplicate</td>
</tr>
<tr>
<td>8</td>
<td>indic_vn</td>
<td>Type of social security number</td>
<td>Measure</td>
<td>DV_JA_NEIN</td>
<td>CodeList</td>
<td>1: real NAVS, 0: fictitious NAVS</td>
</tr>
<tr>
<td>9</td>
<td>record</td>
<td>Record number</td>
<td>Measure</td>
<td>DV_RECORD</td>
<td>Numeric</td>
<td>Record number</td>
</tr>
<tr>
<td>10</td>
<td>stateOfBirth</td>
<td>Country of birth</td>
<td>Measure</td>
<td>DV_ST_2022_1</td>
<td>CodeList</td>
<td>8100-8999: State, -6: not attributable to current boundaries, -9: not specified</td>
</tr>
</tbody>
</table>
I14Y Interoperability Platform

• “What is the right way to encode a certain concept at federal level?”
• “What kind of data does the public administration hold?”
• Main purpose is to serve as a metadata catalogue / service for Swiss administration
• Targets all government levels
• Accessible by the public!
• (I14Y ≈ “Interoperability”)

https://www.i14y.admin.ch
“This is the standard for encoding economic activities.”

administrative bodies → Managing the standard for internal purposes and public purposes
By clicking on “Content” you can see the actual hierarchy
I14Y IOP categorizes all elements based on themes
Data Stewardship: State of the work in Switzerland
Process for the Development of Standards

Iterative Process with 4 phases:

- Phase I: Development of a Standard
- Phase II: Collecting Feedback
- Phase III: Decision by Data Owners
- Phase IV: Communication by Swiss Data Steward
We already have constant – and even international – traffic on our platform!