

Data Stewardship: State of the work in Switzerland

November 2022

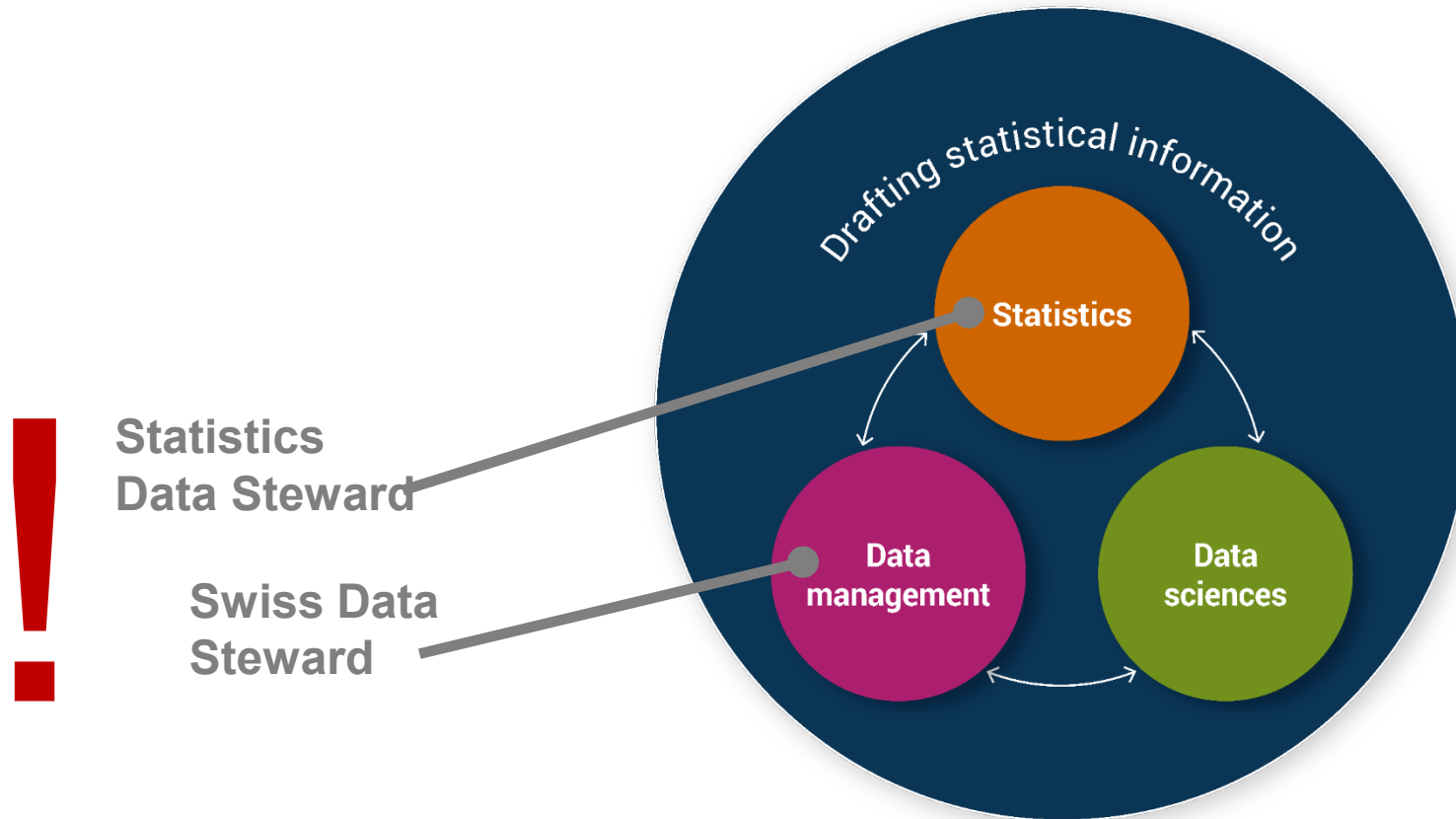
Manuela Lenk, Head of Division

Mathias Steffen, National Data Management NaDB

Federal Statistical Office

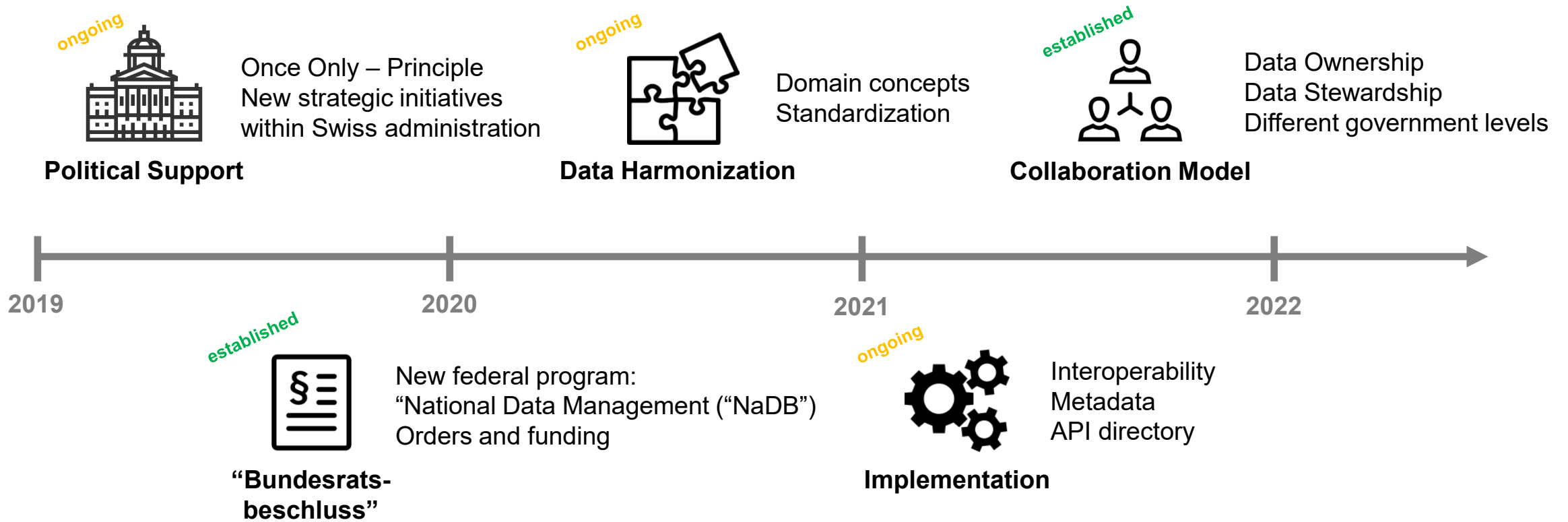


Our three (new) tasks





Where we stand right now (autumn 2022)





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”

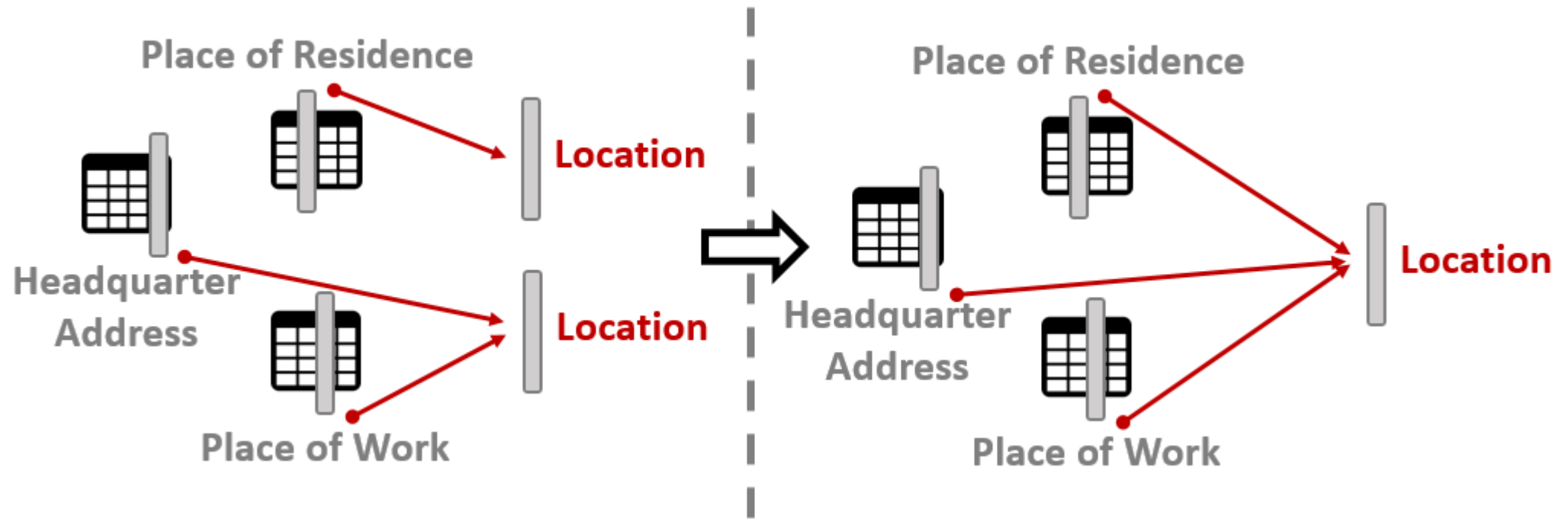
Completion of initialisation work and transfer to regular operation

→ Dossier in preparation for government decision



Data Harmonization Approach at FSO

(= used and defined variables from GSIM)





SIS-Portal

Homepage Statistical portfolio Metadata

Multiannual programme filter

Search

EN

Mehrjahresprogramm 2020-2023

- Multithematische Analysen
- Bevölkerung
- Register
- Information, Grundlagen und Infrastrukturen
- Bildung und Wissenschaft
- Energie
- Gesellschaft
- Gesundheit
- Mobilität und Verkehr
- Raum, Umwelt und nachhaltige Entwicklung
- Soziales
- Wirtschaft und öffentliche Finanzen

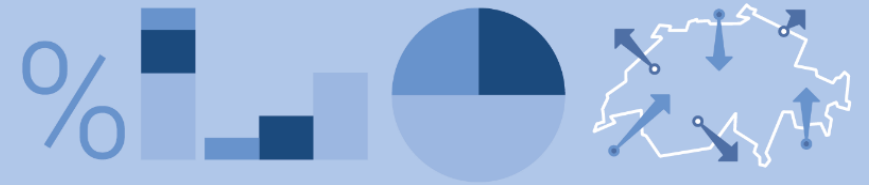
Mehrjahresprogramm 2020-2023

Confederation's statistical multiannual programme 2020 - 2023

Start 2020 End 2023

Thematic fields	Information fields
Multithematische Analysen	1
Bevölkerung	19
Bildung und Wissenschaft	12
Energie	3
Gesellschaft	9
Gesundheit	6
Mobilität und Verkehr	6
Raum, Umwelt und nachhaltige Entwicklung	7
Soziales	15
Wirtschaft und öffentliche Finanzen	10
Register	13
Information, Grundlagen und Infrastrukturen	7

Our internal metadata catalogue!



SIS-Portal

Homepage Statistical portfolio Metadata

Multiannual programme filter

Search

Mehrhjahresprogramm 2020-2023

- Multithematische Analysen
- Bevölkerung
 - Basisstatistiken der Bevölkerung und der Haushalte
 - Statistical activities
 - Szenarien zur Entwicklung der Bevölkerung und der Haushalte
- Auslandschweizerstatistik (AS-Stat)
 - KD
 - Statistik der natürlichen Bevölkerungsbewegung (BEVNAT)
 - KD
 - Strukturstatistik der Bevölkerung und der Haushalte
 - Statistik der Bevölkerung und der Haushalte (STATPOP)
 - KD
 - Defined variables
 - Statistiken über die Sprachen und die Religionen
 - Statistiken über die unbezahlte Arbeit
 - Satellitenkonto Haushaltsproduktion
 - Syntheseerhebung soziale Sicherheit und Arbeitsmarkt (SESAM)
 - Szenarien zur Entwicklung der Erwerbsbevölkerung
 - Ausländer- und Asylstatistik, Visa Monitoring

Mehrhjahresprogramm 202... > Bevölkerung > Basisstatistiken der Bevölk... > Statistical activities > Auslandschweizerstatistik ... > KD > STAT-SE movements

KD Dataset information KdDSI

^ KdDSI Metadata

Status

Open

Identifier: DSI_AS_STAT_MOVE

Wave from: 01.01.2020

Wave to: 31.12.2020

Valid from: 07.09.2022

Valid until:

Unit in charge: Produktion STATPOP

Person in charge: Monnet Nathalie BFS

Deputy of person in charge: Chardon Julien BFS

Degree of protection: 1 simple personal data

Degree of regionalisation: N/A

Data collection method: Indirect survey

Common Key: Defined variables

Specific Key:

Keywords: FDFA, movements

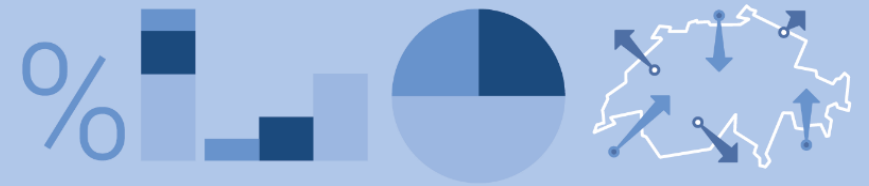
Data providers: FDFA

Name: STAT-SE movements

Description: production of statistics on Swiss abroad - movements



Metadata of a dataset!



Used variables



Position	UV Identifier	Name	Role	DV Identifier	DV Type	Description
1	pseudoVN	AHV-Versichertennummer (AHVN13)	Dimension	DV_AHVN13	Numeric	unique and anonymous personal identification number (PIN)
2	statYear	Statistical year	Measure	DV_JAHR	Numeric	YYYY
3	dateOfBirth	Date of birth	Measure	DV_DATE	Date	AAAA-MM-GG: data 9999-12-31: non applicabile
4	arrivalDate	Date of arrival	Measure	DV_DATE	Date	YYYY-MM-DD: date 9997-12-31 : since birth 9999-12-31 : no indication
5	sex	Sex	Measure	DV_SEXE	CodeList	1: male 2: female
6	binational	Double nationality	Measure	DV_JA_NEIN	CodeList	0 : no dual nationality 1 : dual nationality
7	doublon_stp	Duplicate with STATPOP	Measure	DV_JA_NEIN	CodeList	0 : no duplicate 1 : duplicate
8	indic_vn	Type of social security number	Measure	DV_JA_NEIN	CodeList	1 : real NAVS 0 : fictitious NAVS
9	record	Record number	Measure	DV_RECORD	Numeric	Record number
10	stateOfBirth	Country of birth	Measure	DV_ST_2022_1	CodeList	8100-8999: State -6: not attributable to current boundaries -9: not specified

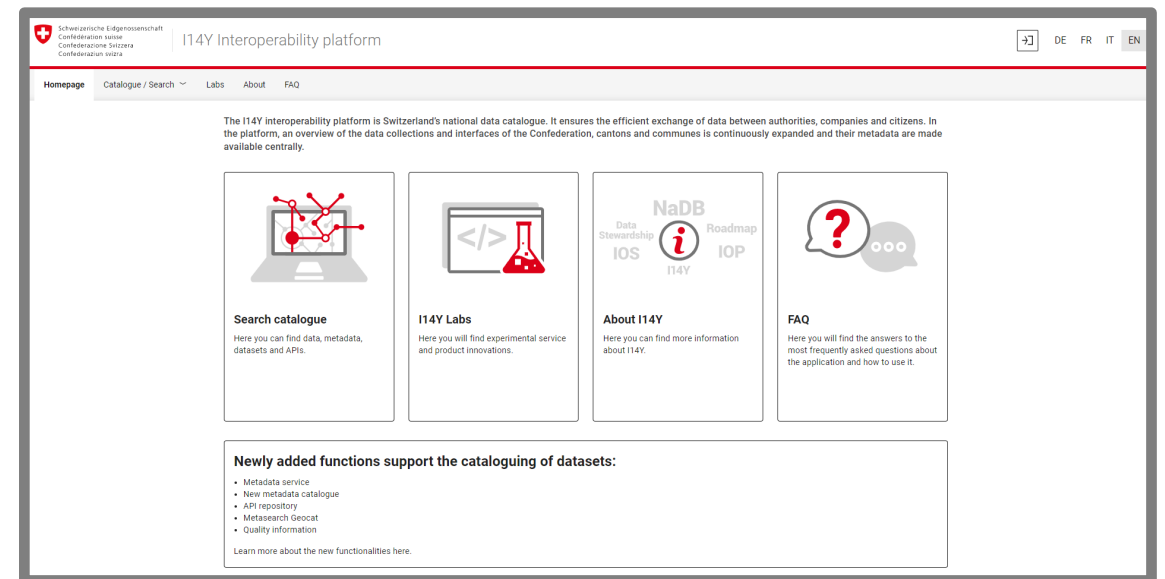


**The variables
of the selected
dataset**

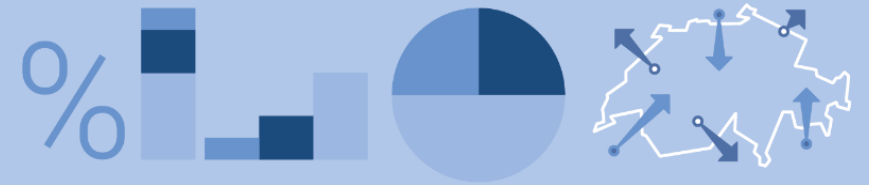


I14Y Interoperability Platform

- “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>



General Classification of Economic Activities – NOGA

Description Content API Distributions

The General Classification of Economic Activities (NOGA) is the Swiss version of the European classification of economic activities NACE. It has been defined at European level in the different official languages of the Member States taking into account the economic structure of the majority of countries up to the fourth position. The NOGA was developed by the FSO in collaboration with experts from the public administration and numerous umbrella organisations. The particularities and/or important activities of the national economy have been incorporated in the last two positions of the six-digit code.

Identifier

HCL_NOGA

Publication date

01.01.2008

Publisher

Federal Statistical Office

Contact point

Federal Statistical Office

Business Registers Data URD

Espace de l'Europe 10

CH-2010 Neuchâtel

Schweiz

+41 58 463 65 23

Monday to Friday

8.30–11.30 and 14.00–16.00

noga@bfs.admin.ch

Languages

German, French, Italian, English

↑
↑
Metadata

“This is the standard
for encoding
economic activities.”

administrative
bodies →
Managing the
standard for
internal purposes
and public
purposes



General Classification of Economic Activities – NOGA

Description
Content
API
Distributions

- 011100 Growing of cereals (except rice), leguminous crops and oil seeds
 - > 0112 Growing of rice
 - > 0113 Growing of vegetables and melons, roots and tubers
 - > 0114 Growing of sugar cane
 - > 0115 Growing of tobacco
 - > 0116 Growing of fibre crops
 - > 0119 Growing of other non-perennial crops
 - > 012 Growing of perennial crops
 - > 013 Plant propagation
 - > 014 Animal production
 - > 015 Mixed farming
 - > 016 Support activities to agriculture and post-harvest crop activities

011100 Growing of cereals (except rice), leguminous crops and oil seeds

Type [?]	Title [?]	Text [?]	Url
ABBREV		Grow. of cereals and leguminous crops	
		This type includes all forms of growing of cereals, leguminous crops and oil seeds in open fields. The growing of these crops is often combined within	



By clicking on “Content” you can see the actual hierarchy



Filters

- Select all
- Access rights
- Public (9)
- Themes
- Agriculture (0)
- Animals (0)
- Authorities (7)
- Buildings and land (0)
- Businesses (1)
- Citizens (0)
- Compilation of laws (0)
- Construction (0)
- Culture (0)
- Economy (9)
- Education (0)
- Energy (0)
- Environment (0)
- External relations (0)
- Geoinformation (0)



I14Y metadata catalogue

Metadata about data sets (dcat:dataset) as well as their distribution format (dcat:distribution).

All (9) Datasets (9) APIs (0)

Financial Statistics Model: functional classification

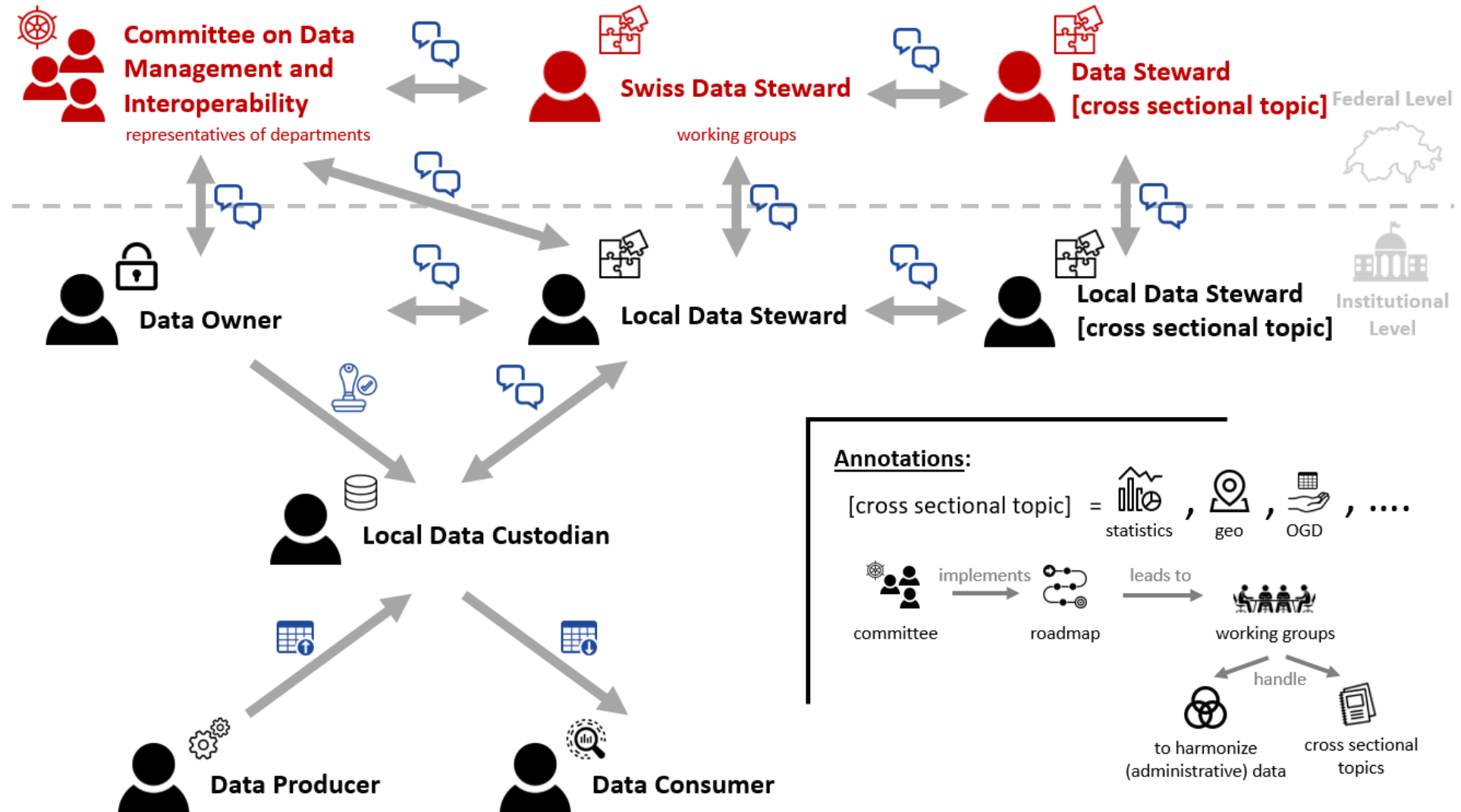
Dataset

National comparability is achieved with the Financial Statistics Model (FS Model, national model of financial statistics), which is based on the Harmonized Accounting Model for the Cantons and Communes (HAM2) and is thus inspired by the International Public Sector Accounting Standards (IPSAS). Standard evaluations with the FS Model always contain the statement of financial position, statement of financial performance and financing statement in the economic classification. Furthermore, receipts and expenditure are shown by function in the financing statement. In the 2008 fiscal year, the financial statistics were adjusted to new standards. There is therefore limited comparability with the figures prior to 2008 in the national FS Model. This codelist allows for functional classification of the positions in the statement of financial performance and the financing statement of public households.

Themes: Economy, Official statistics, Authorities

Access rights: Public Formats: XLSX

**I14Y IOP
categorizes all
elements based
on themes**





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





Screenshot of a web analytics dashboard for 'BFS - I14Y' showing real-time visits, a graph of recent visits, a world map with 6,151 visits, and a table of page shifts.

Besuche in Echtzeit

DATUM	BESUCHE	AKTIONEN
Letzte 24 Stunden	55	429
Letzte 30 Minuten	1	1

Graph der letzten Besuche

Besucherkarte

6.151 Besuche

Verschiebungen und Streuungen

SEITEN URL	ÄNDERUNG	PERZENT
de	+15630	+100%
fr	+10048	+100%

We already have constant – and even international – traffic on our platform!