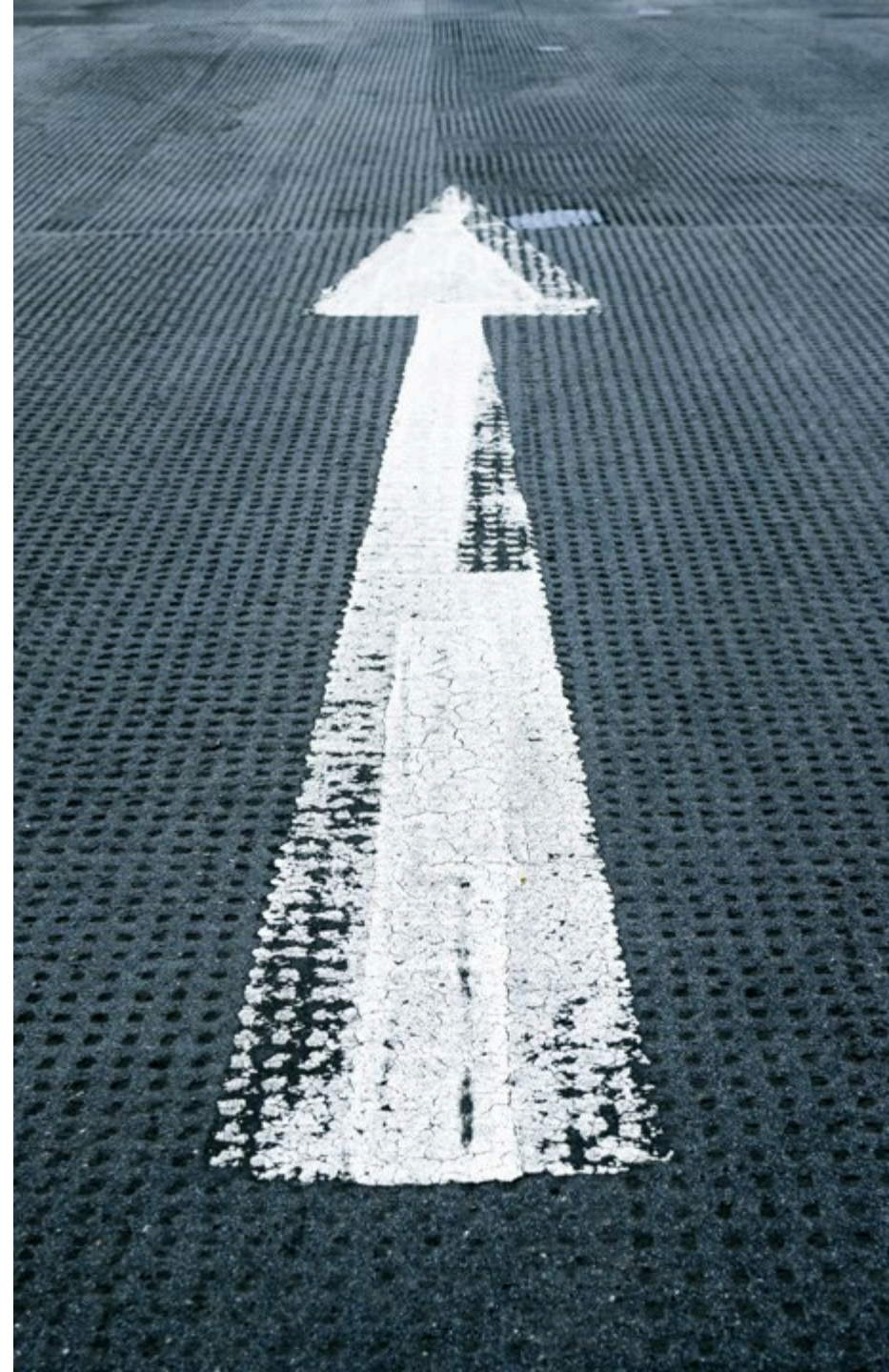# PxWeb 2023 v1

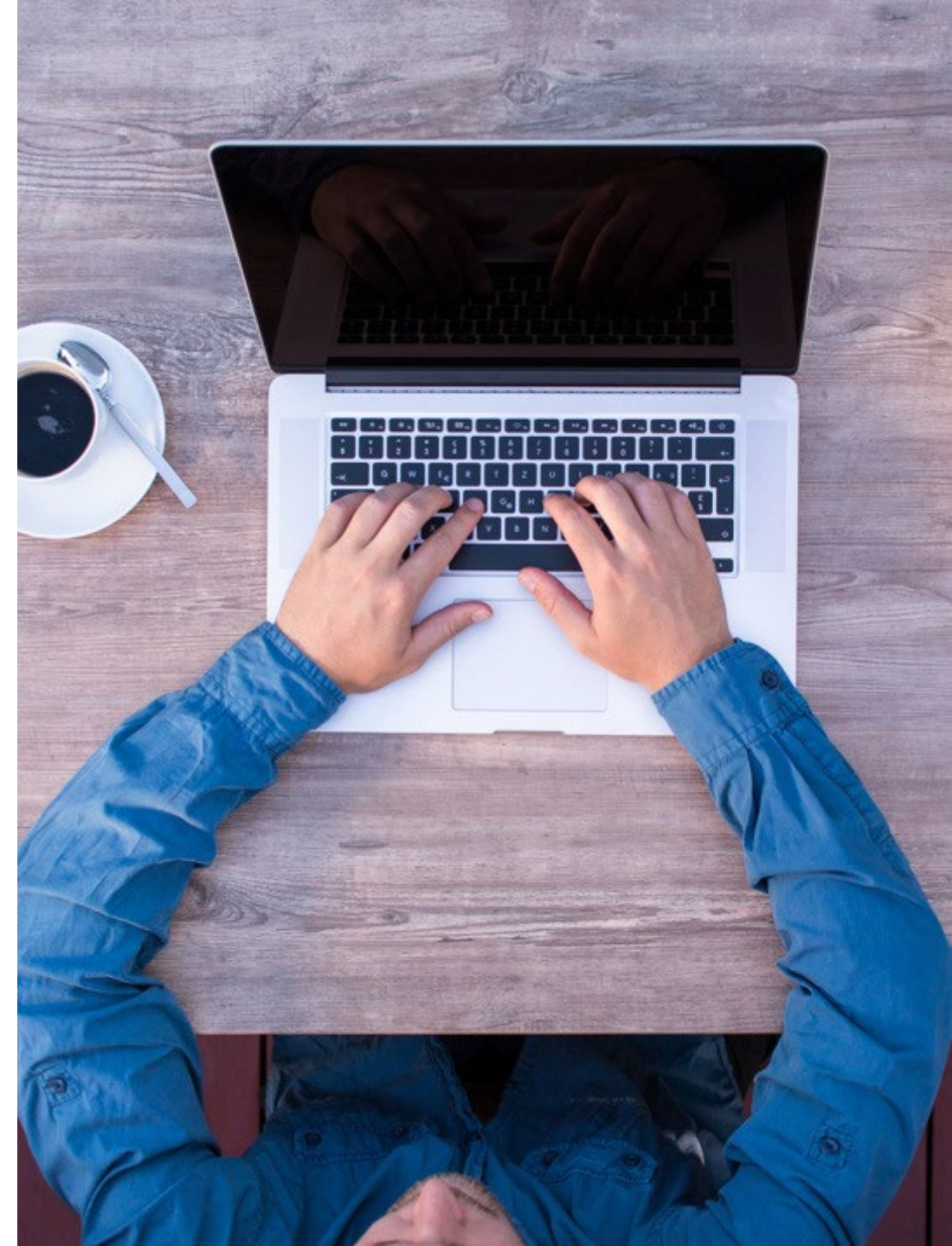Mikael Nordberg, Statistics Sweden

Petros Likidis, Statistics Sweden

Current status

- Focus on PxWebApi 2.0
- PxWeb 2023 v1 still under development
- Release date later this year
- Classic PxWeb will continue to live
- More versions will come

SCB

PxWeb 2023 v1

- Focus on fixes
- DCAT-AP improvements
- CSV2 and CSV3
- More JSON-stat 2 metadata
- Set CNMM Root node
- Data retrieval URL for PxWebApi 2.0

SCB

DCAT-AP

- DCAT-AP is a specification for metadata records to meet the specific application needs of data portals in Europe

- Generate DCAT-AP file

- Can be imported by data portals

SCB

DCAT-AP improvements

- Improved output
- Improved administration page
- Per PX database

SCB

DCAT-AP improved output

- Texts per language
- Map SOURCE to universal URI (Uniform Resource Identifier)
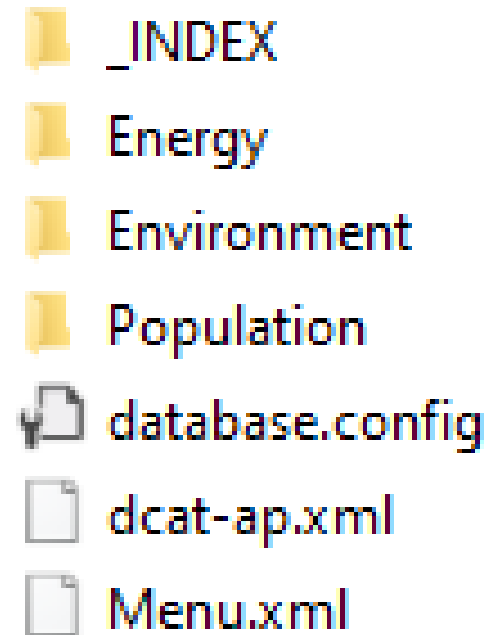 - Organizations.json
- And more...

PX file:

SOURCE="Statistics Sweden";

Organizations.json:

```
"Statistics Sweden":
"http://id.kb.se/organisations/SE2021000837"
```
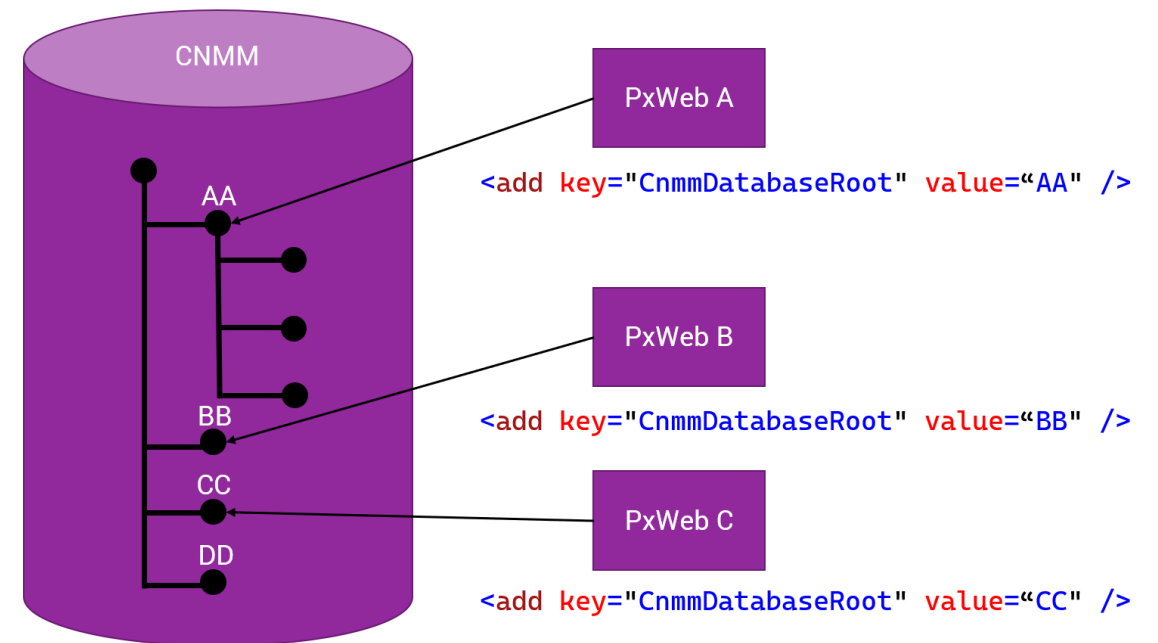
SCB

DCAT-AP per PX database

- `dcat-ap.xml` file saved to `/Resources/PX/Databases/xxx`
- Administration page setting stored in `database.config` in the same folder

📁 _INDEX
📁 Energy
📁 Environment
📁 Population
📄 database.config
📄 dcat-ap.xml
📄 Menu.xml

SCB

Possible to set CNMM Root node

- Multiple PxWeb sites share one CNMM database
- Statistics Sweden uses this in our "PxWeb as a service" solution


```
<add key="CnmmDatabaseRoot" value="AA" />
```

```
<add key="CnmmDatabaseRoot" value="BB" />
```

```
<add key="CnmmDatabaseRoot" value="CC" />
```

CSV2 and CSV3

- Has been available in the API
- Now also in PxWeb user interface

- CSV2
  - All the variables in the heading
  - One value per row
- CSV3
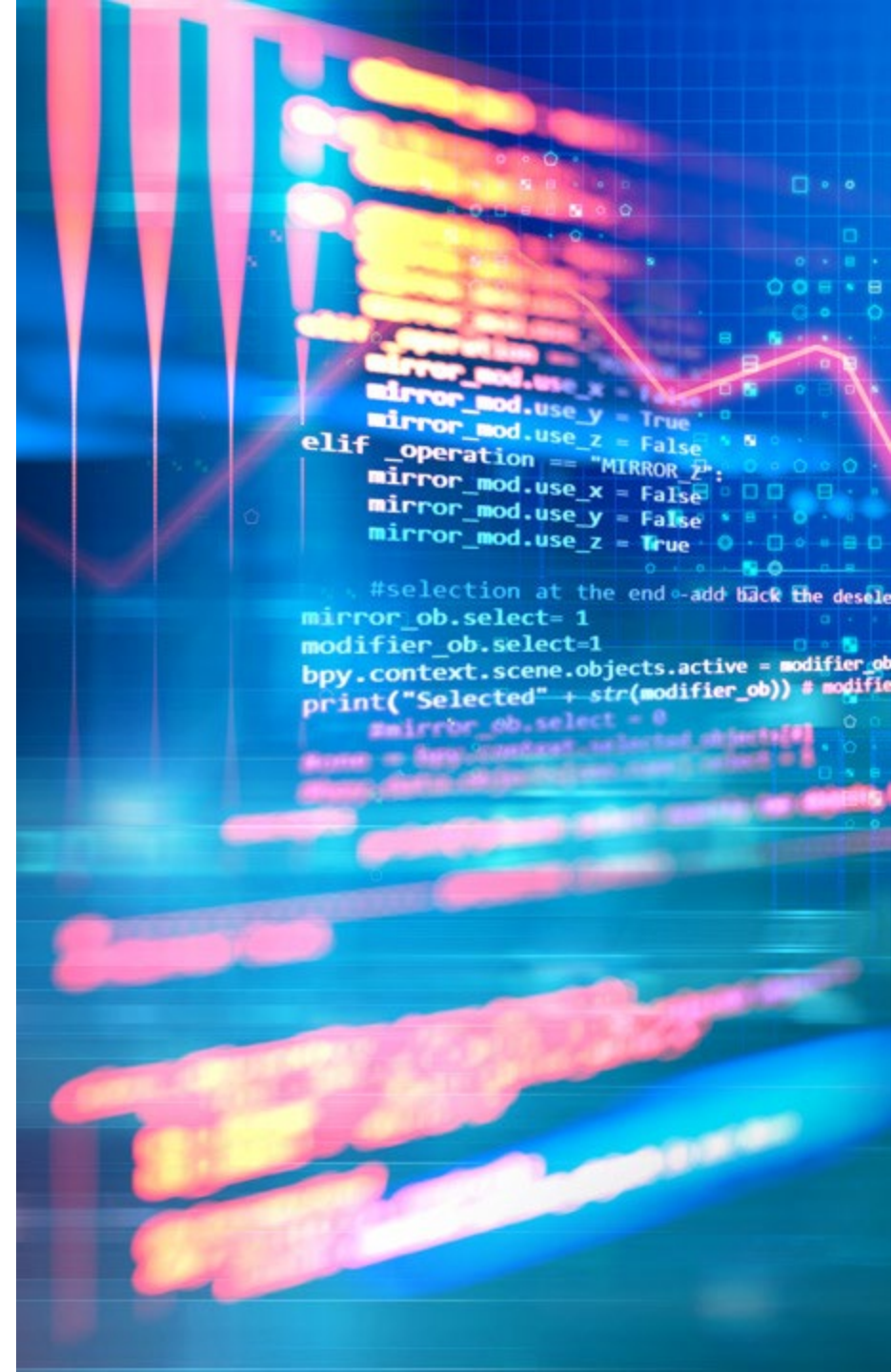 - As CSV2 but codes instead of texts

CSV2

```
"region","sex","year","contents","07459: Population,"
"03 Oslo","Males","2020","Persons",346184
"03 Oslo","Males","2021","Persons",347650
"03 Oslo","Females","2020","Persons",347310
"03 Oslo","Females","2021","Persons",349360
```

CSV3

```
"Region","Kjonn","Tid","ContentsCode","07459"
"03","1","2020","Personer1",346184
"03","1","2021","Personer1",347650
"03","2","2020","Personer1",347310
"03","2","2021","Personer1",349360
```

SCB

More JSON-stat 2 metadata

- Notes (for tables and variables)
- Discontinued
- Contact
- Official-statistics
- Aggregallowed
- Language
- Matrix
- Subject-code

- ContentsCode (also when eliminated)
- Rearranged order for some metadata

Show PxWebApi 2.0 help

- Data retrieval URL for PxWebApi 2.0

| Enable API-V2 query link | Yes ✔ | ❓ |
| URL root API-V2 | https://pxapi2-master-px.scb.se/api/v2/ | ❓ |

Api-V2:

Send a GET request to the URL below to access this table.

URL:

https://pxapi2-master-px.scb.se/api/v2/tables/BE0101D1/data?lang=en&valueCodes[region]=00,01,01

Copy

SCB

Bug fixes

- Compact view default (#339)
- Split time error (#201)
- Grouping path (#455)
- JSON-stat updated date error (#387)
- Select classification (#344)
- …

SCB

Questions?

SCB

Short demo