

PxWeb today and tomorrow

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PxWeb 2019 v2

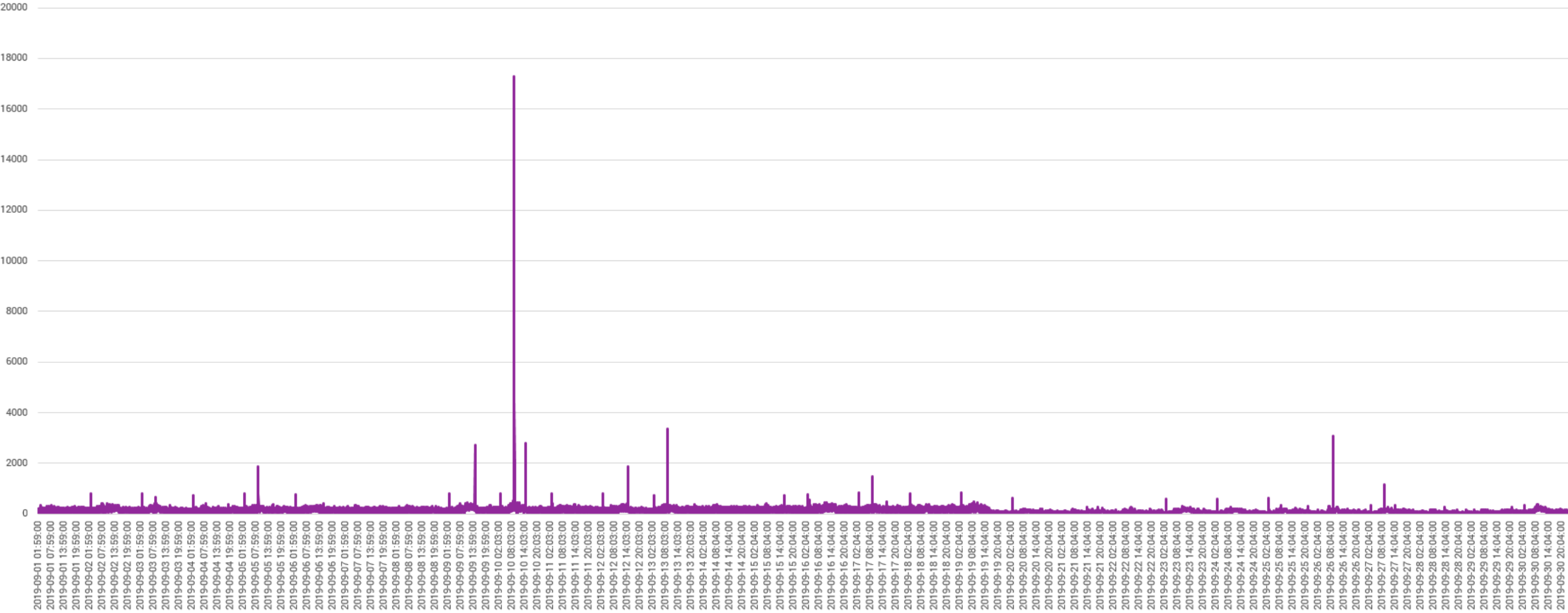


Improved performance

- Prioritized at Statistics Sweden
- Performance problems around 09.30



Calls day by day September 2019



Improved performance in PxWeb

- Menu caching
- Eliminates unnecessary calls to the database and menu.xml
- `<add key="CacheServiceExpirationInMinutes" value="1440"/>`

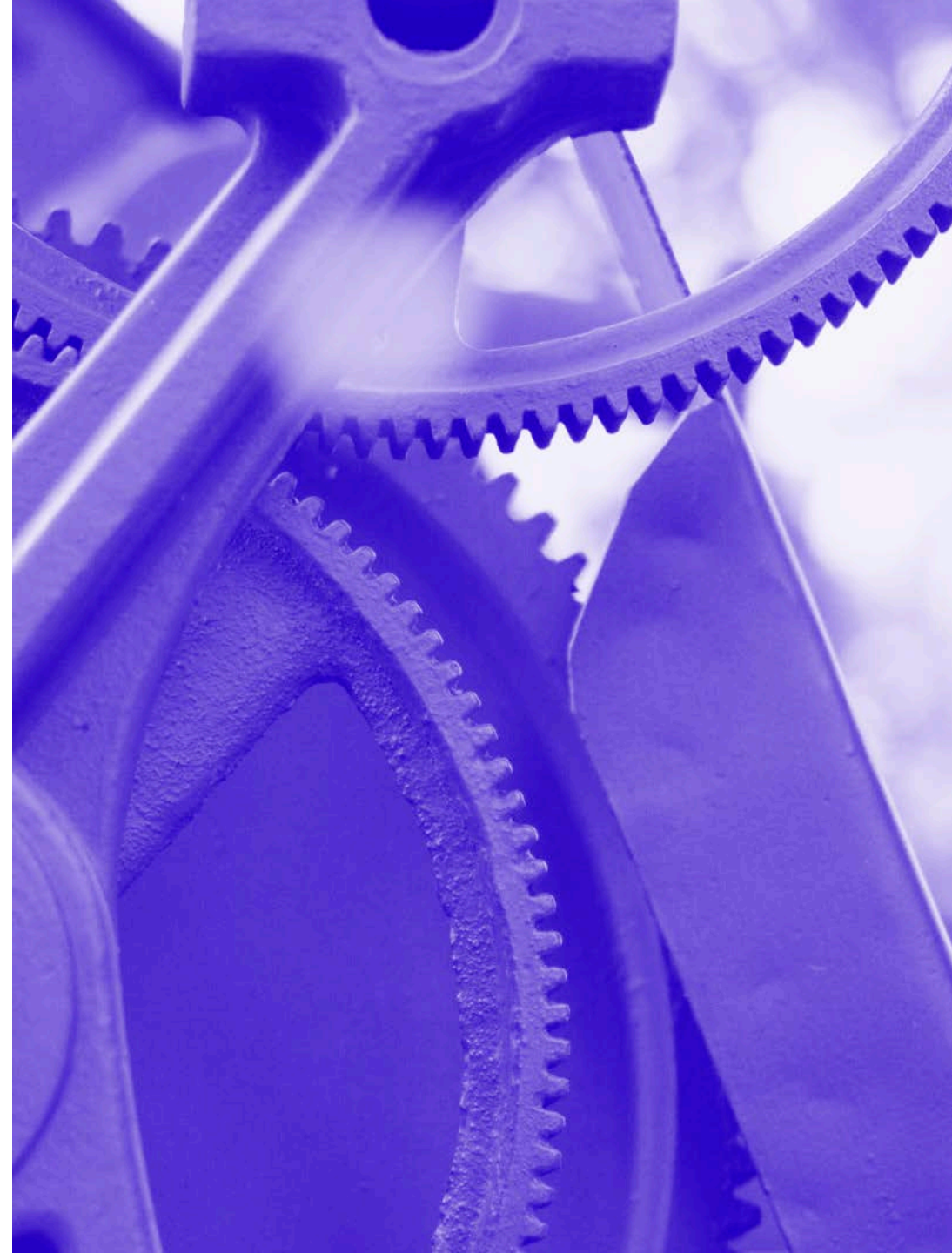


➤ >> Statistics database 2.3 >> Energy >> Monthly fuel, gas and inventory statistics >>
Deliveries of oil products divided into user categories, M3 and tonnes. Month 1997M01 - 2017M12

- 📁 Agriculture, forestry and fishery
- 📁 Business activities
- 📁 Democracy
- 📁 Education and research
- 📁 **Energy**
 - 📁 Annual energy statistics (electricity, gas, district heating)
 - 📁 **Monthly fuel, gas and inventory statistics**
 - 📄 Deliveries of oil products divided into user categories, M3 and tonnes. Month 1997M01 - 2017M12 ⓘ
 - 📄 Deliveries of liquid fuels by commodity and consumer category. Month 1997M01 - 2017M12 ⓘ
- 📁 Environment
- 📁 Financial markets
- 📁 Household finances
- 📁 Housing, construction and building
- 📁 Labour market
- 📁 Living conditions
- 📁 National accounts
- 📁 Population
- 📁 Prices and Consumption
- 📁 Public finances
- 📁 Trade in goods and services
- 📁 Transport and communications

Improved performance in PxWebApi

- Menu caching for 24 hours
- Validate mandatory dimensions
- Not yet published data
 - Validate selection before getting data
 - Invalid selections are cached



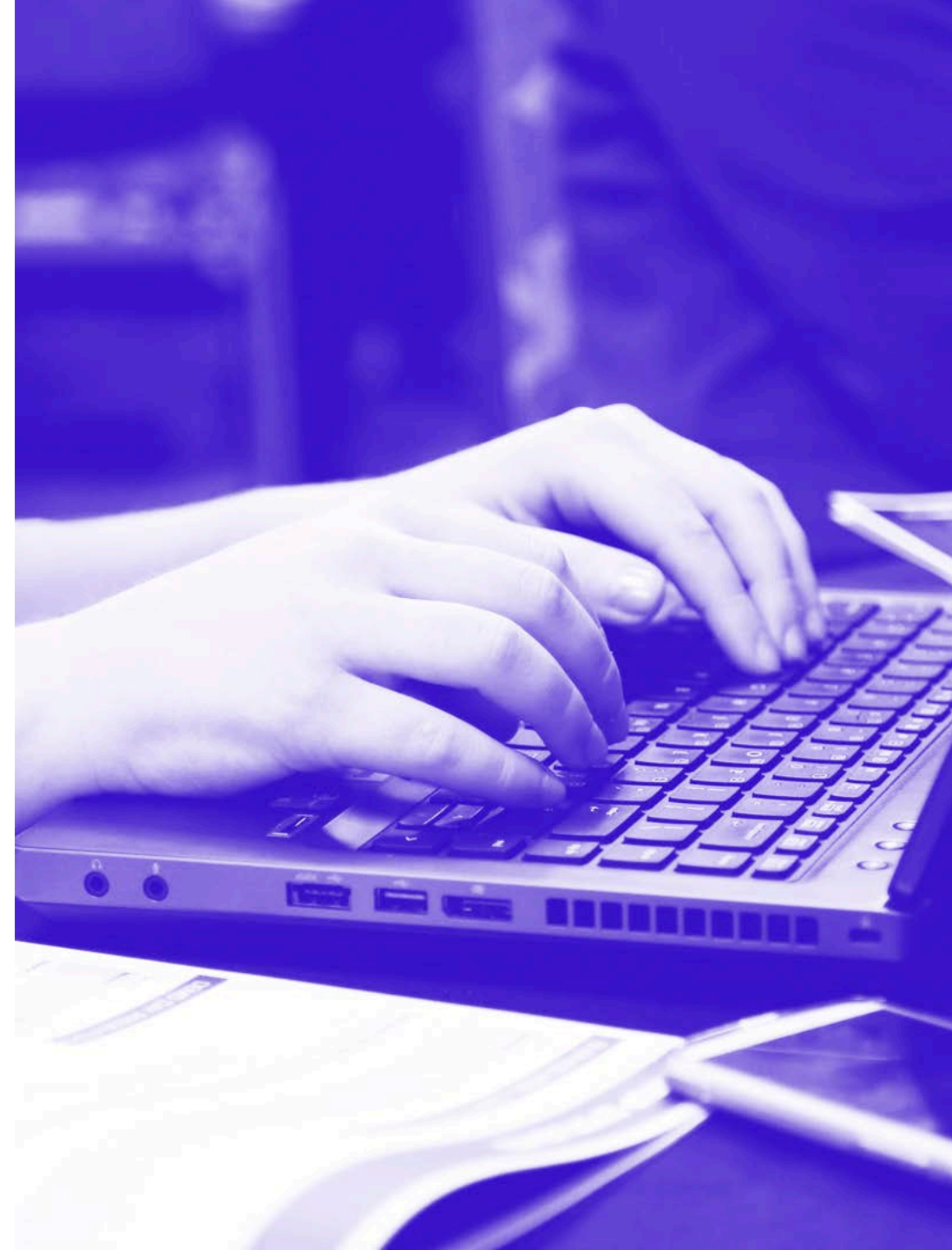
Change language in saved queries

- <http://www.mypxweb.com/sq/123456?lang=sv>



JSON-stat 2.0

- Supported in PxWeb and PxWebApi



Improved search on selection page

- Accessibility improvement

region *

Municipalities ▼

✓ − ↑ ↓ ⓘ

Total 290 Selected 0

0114 Upplands Väsby
0115 Vallentuna
0117 Österåker
0120 Värmdö
0123 Järfälla
0125 Ekerö

Search >

☐ Beginning of word

Responsive user interface

- PxWeb works better on mobile phones



Bug fixes

- IOS
- Pivot

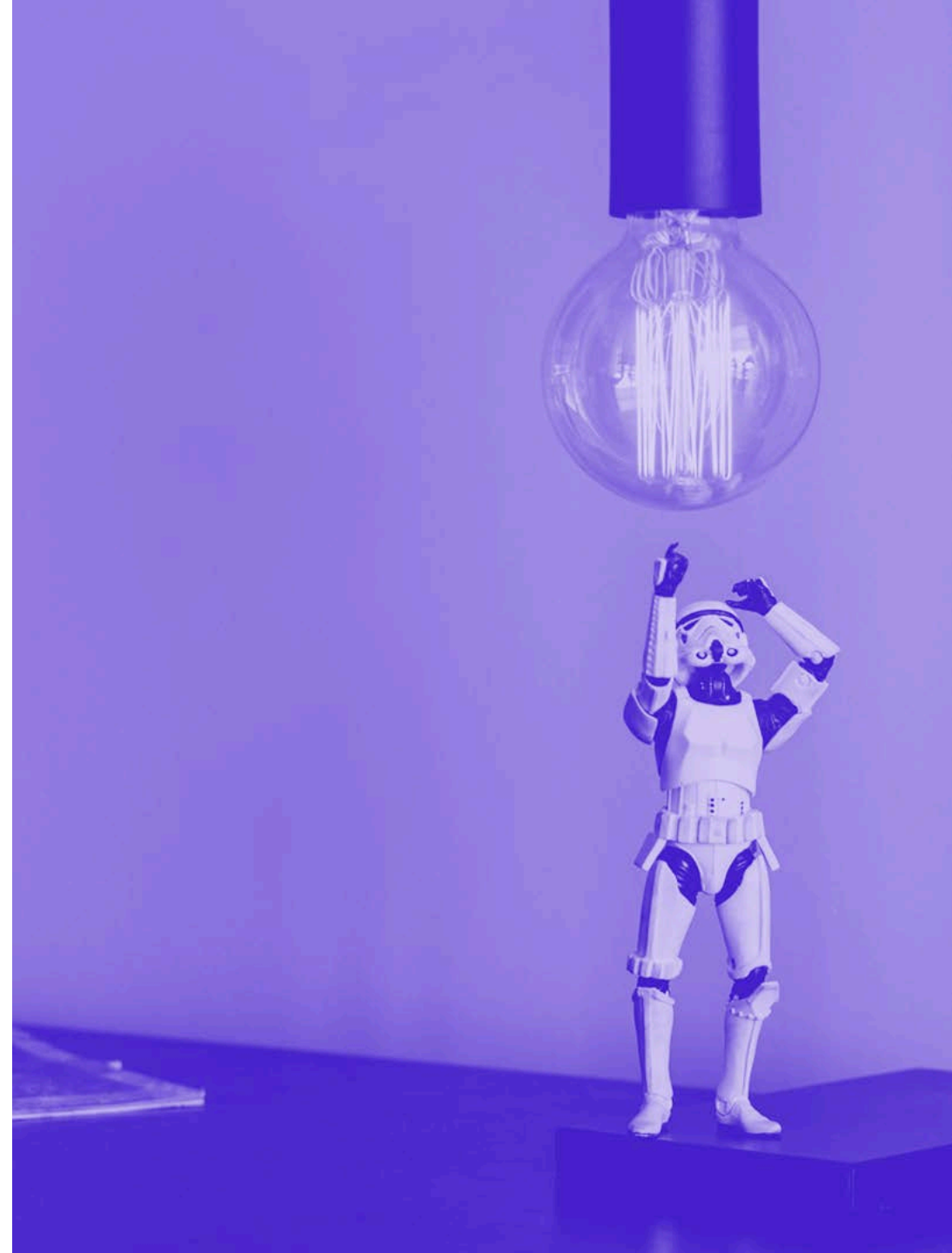


Planned to be included...

- Decimals disappear after pivot
- Content and time dimension first
- Remove BOM-character in the Json format
- Some characters are not supported in search on selection page
- Content not always selected when using ?select from saved query
- Illegal links in "tree view without files"
- Shouldn't be able to call saved query for disabled database
- Remove color in Excel
- More metadata in the Json and JSON-stat file formats
- Subdirectories for saved queries and aggregations
- Update jQuery version
- Security fixes
- Always show mandatory footnotes if selection has been changed
- UTF-8 BOM in .pxsq files



Demo



Open source



Open source

- PxWeb was released as Open Source on August 23rd
- Moved source PxWeb 2019 v1 code to Github <https://github.com/statisticssweden/PxWeb>
- Still developing on Assembla but will shutdown development there after PxWeb 2019 v2.



How to contribute

- Reporting and participate in discussions on issues
- Share information in the Wiki
- Committing code

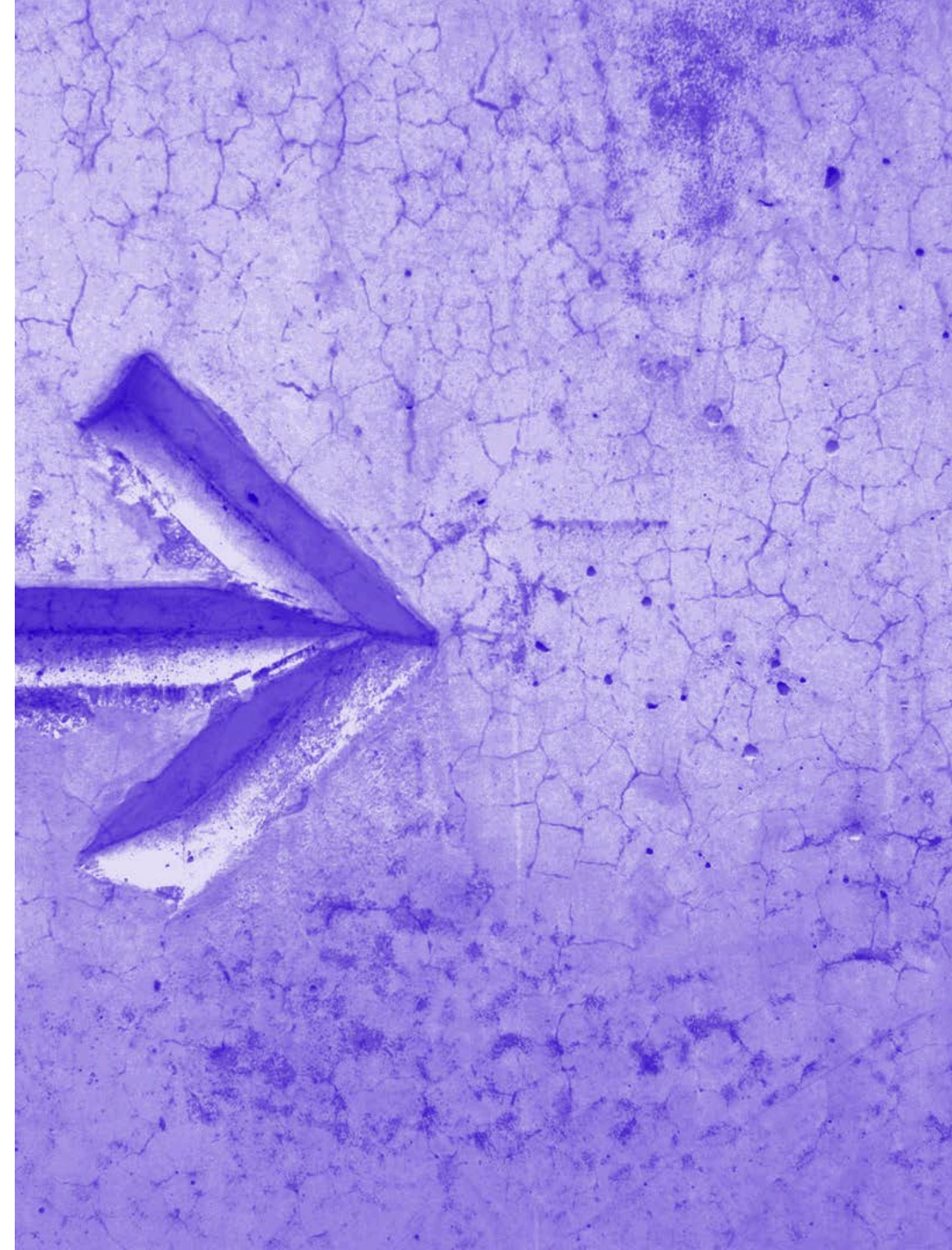


Roadmap



The rough plan

- Convert PX platform to .Net Core/Standard
- PxWeb NextGen
 - Start implementing PxWeb Api 2.0
- Make PxWin available as Open Source

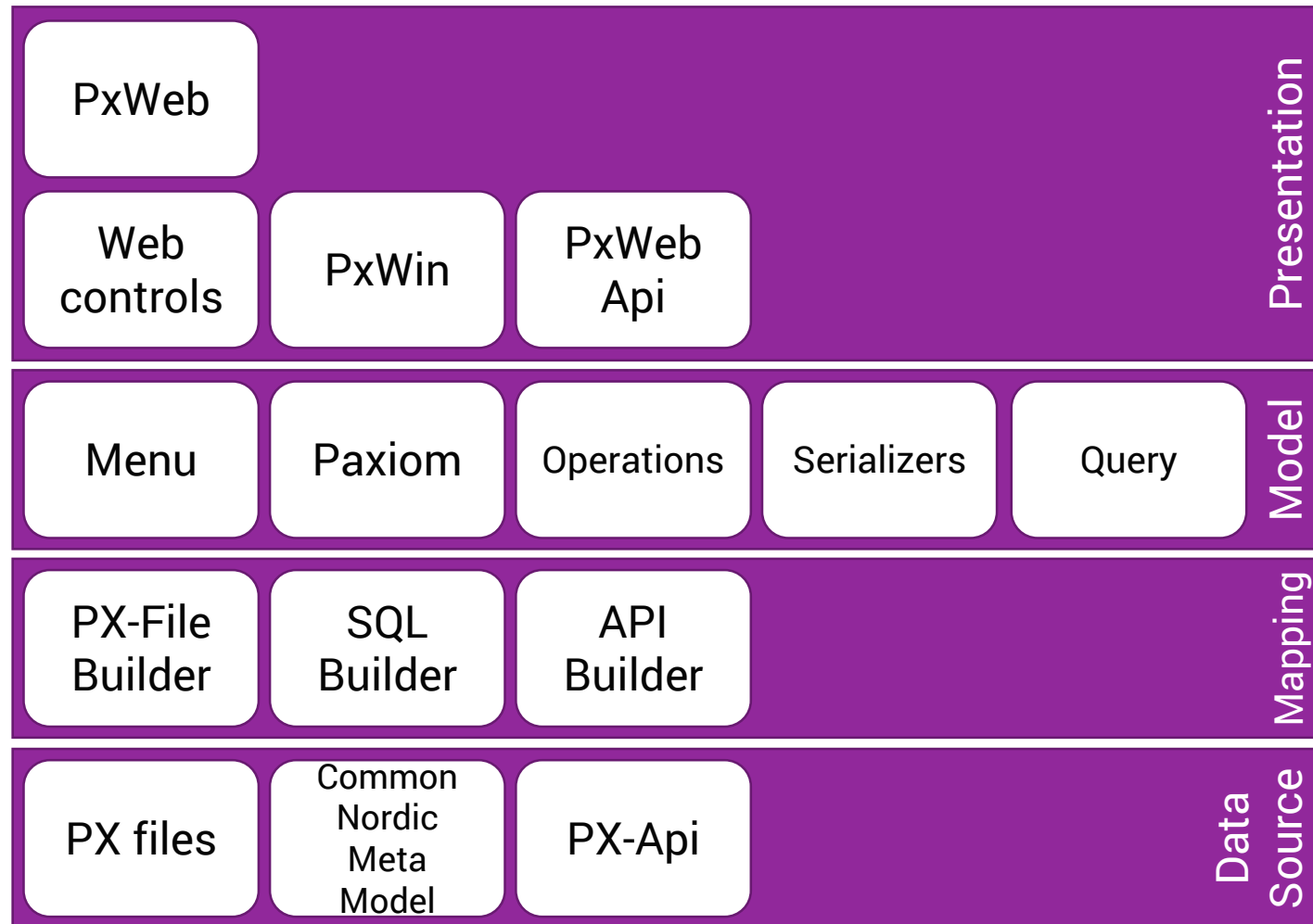


.Net Core/Standard

- It provides better conditions for building and evolving PxWeb
- Cross platform
- Package the assemblies as individual components that can be reused from other applications



.Net Core/Standard



.Net Core/Standard

PCAxis.Api PCAxis.Encryption PCAxis.Metadata Px.Json.Web.Controls Pcx.Batch PX.Plugin.Interfaces PXWinStarter	PCAxis.Chart PCAxis.Excel.Web.Controls PCAxis.Web.Controls PxApi PCAxis.Desktop PXBatchStarter CSSFriendly	PCAxis.Charting PCAxis.Html5Table.Web.Controls Pcaxis.Web.Core PxWeb PX.Desktop.Interfaces PXWin.AggregationTool PCAxis.JsonStat.Web.Controls	Presentation
PCAxis.Common PCAxis.Html5Table PCAxis.SDMX PCAxis.Serializers.JsonStat2Serializer	PCAxis.Core PCAxis.Menu PCAxis.Search	PCAxis.Excel PCAxis.Query PCAxis.Serializers.JsonStat	Model
PCAxis.Sql PCAxis.PX.Core PCAxis.Menu.Implementation.MsSqlDatamodelMenu PCAxis.Menu.Implementation.OracleDatamodelMenu	PCAxis.Sql.DbConfig PCAxis.Menu.Implementation.ConfigDatamodelMenu	PCAxis.Sql.Exceptions	Mapping
PX File Format specification	Common Nordic Meta Model		Data Source



Package the assemblies as individual components

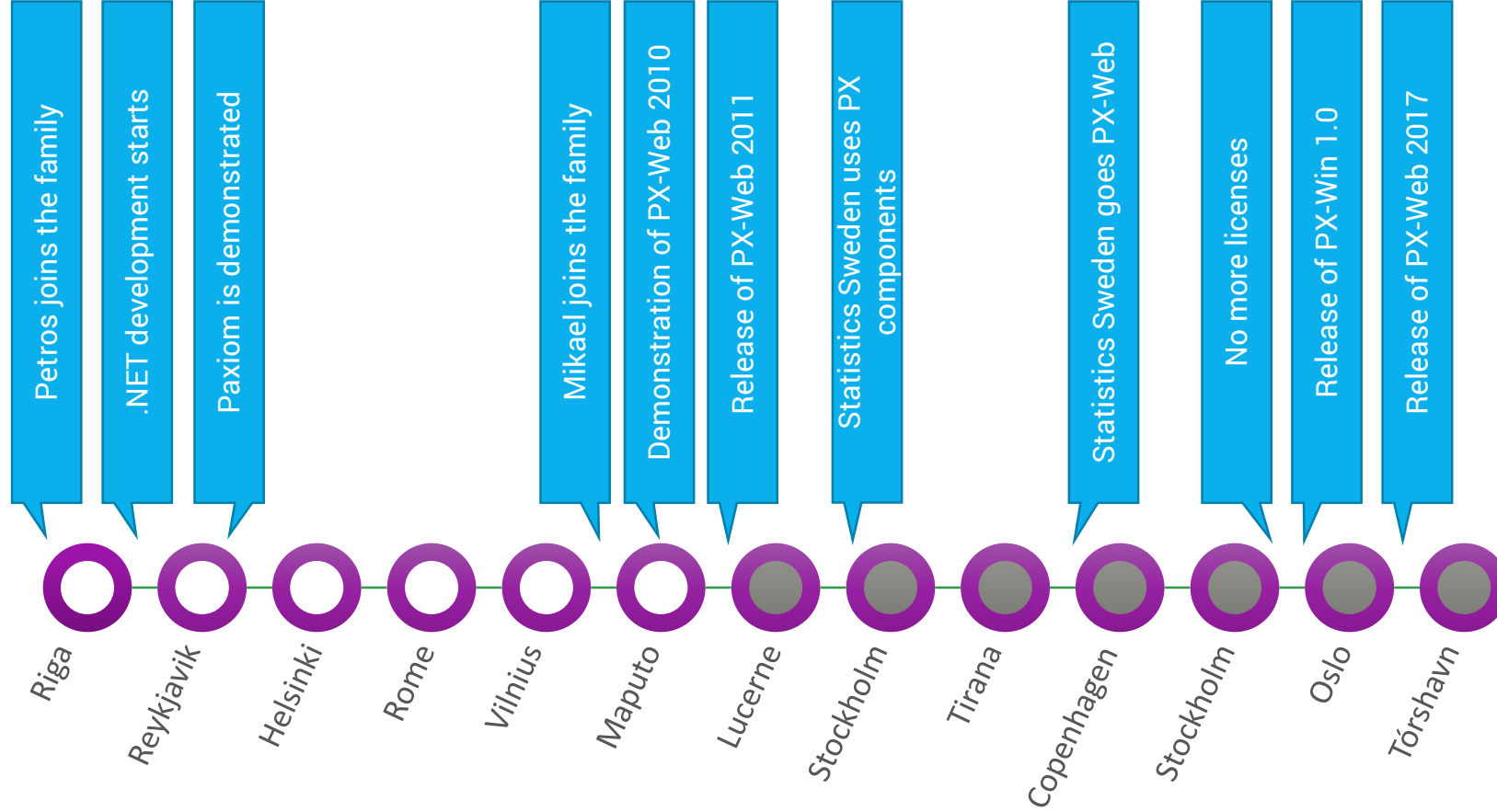


PCAxis.Api
PCAxis.Chart
PCAxis.Charting
PCAxis.Excel.Web.Controls
PCAxis.Html5Table.Web.Controls
PCAxis.Web.Controls
Pcaxis.Web.Core
Px.Json.Web.Controls
PxWeb



PCAxis.Common
PCAxis.Core
PCAxis.Excel
PCAxis.Html5Table
PCAxis.Menu
PCAxis.Query
PCAxis.SDMX
PCAxis.Search
PCAxis.Serializers.JsonStat
PCAxis.Serializers.JsonStat2Serializer
PCAxis.Sql
PCAxis.Sql.DbConfig
PCAxis.Sql.Exceptions
PCAxis.PX.Core
PCAxis.Menu.Implementation.ConfigDatamodelMenu
PCAxis.Menu.Implementation.MsSqlDatamodelMenu
PCAxis.Menu.Implementation.OracleDatamodelMenu

From the past



PxWeb NextGen

- Is getting old and hard to maintain
- ASP → ASP.NET Web Forms → ?
- Rewrite and modernize the user interface using new technology and best practice

PxWeb Api 2.0

- Start implementing the new version of the PxWeb API on the new platform
- Specification at Github
<https://github.com/statisticssweden/PxApiSpecs>
- Run as standalone application

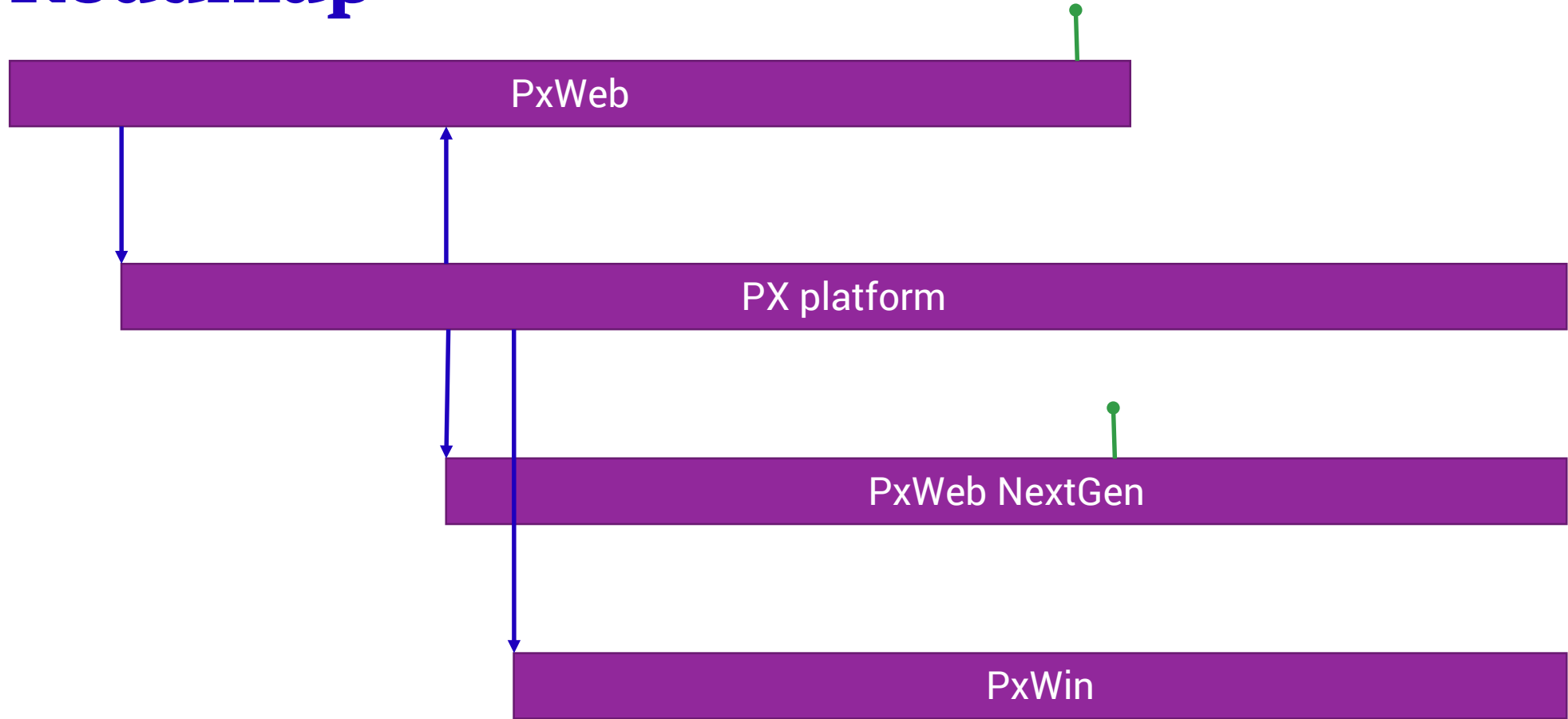


PxWin as Open Source

- Branch of it's own in Assembla that has not yet been merged into trunk
- Await the conversion of the PX platform



Roadmap



Workshops



StatAfric workshop

- Migration database for Africa
- Meeting in October
- StatAfric and 9 regions
- PxWeb
- PX-file database
- PxEdit



UN SDG Workshop

- Meeting in 26-29 November
- Use PxWeb as dissemination platform for UN's Sustainable Development Goals indicators
- Participants are UN, Sweden, Norway, Jordan, Palestine and Vietnam
- Mappings between SDG SDMX and CNMM

