



# PXWeb

PXWeb presentation I3S 2021

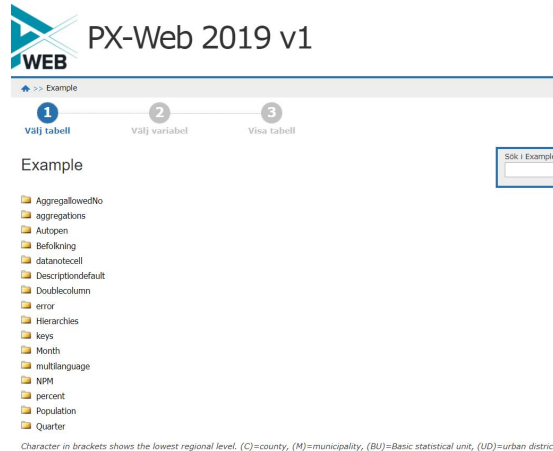
# Background

PX-Web used for publishing statistics in a database at the web and is since 2016. ([Organisations](#))



# Background

- Through the administration tool included **configurations** can be made to PX-Web.
- Can be **expanded** with custom code.
- **API:s** & Saved Querys.



PX-Web 2019 v1

Example

1 Välj tabell 2 Välj variabel 3 Visa tabell

Aggregations

Autopen

Befolkning

Datanote

Description default

Double column

Error

Hierarchies

Keys

Month

Multi language

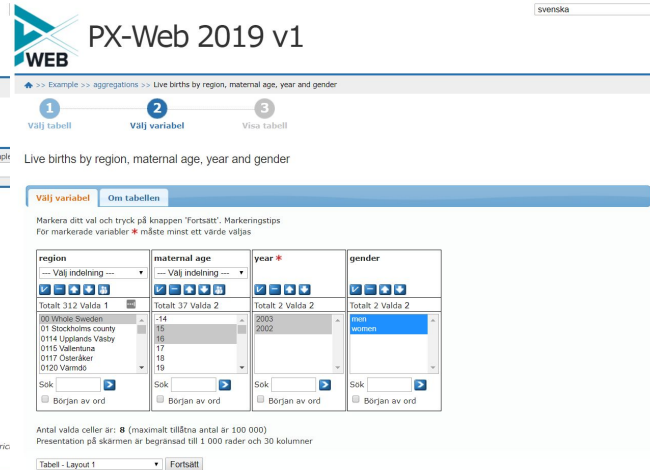
NPM

Percent

Population

Quarter

Character in brackets shows the lowest regional level. (C)=county, (M)=municipality, (BU)=Basic statistical unit, (UD)=urban district



PX-Web 2019 v1

Example >> aggregations >> Live births by region, maternal age, year and gender

1 Välj tabell 2 Välj variabel 3 Visa tabell

Live births by region, maternal age, year and gender

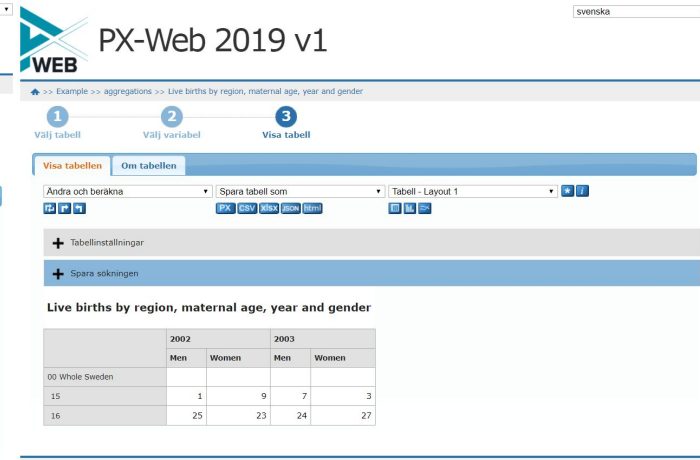
Välj variabel Om tabellen

Markera ditt val och tryck på knappen 'Fortsätt'. Markeringstips: För markerade variabler måste minst ett värde väljas

region	maternal age	year	gender
00 Whole Sweden	14	2003	men
01 Stockholm county	15	2002	women
0114 Uppsala län	16		
0115 Västmanland	17		
0117 Östergötland	18		
0120 Västergötland	19		

Antal valda celler är: 8 (maximalt tillåtna antal är 100 000)  
Presentation på skärmen är begränsad till 1 000 rader och 30 kolumner

Tabell - Layout 1



PX-Web 2019 v1

Example >> aggregations >> Live births by region, maternal age, year and gender

1 Välj tabell 2 Välj variabel 3 Visa tabell

Visa tabellen Om tabellen

Andra och beräkna Spara tabell som Tabell - Layout 1

Tabellinställningar

Spara sökning

Live births by region, maternal age, year and gender

	2002	2003	
	Men	Women	
00 Whole Sweden			
15	1	9	7
16	25	23	24

# Technical prerequisites

- PX-Web runs under IIS on a **Windows** machine.
- PX-Web is distributed in a **zip**-archive.

# Objectives

- Publish PX-Web as a **shared service** for dissemination of statistics.
- The transformation would include adapting to open standards such as **.NET Core** and HTML5 as well as assuring that the service can be used in cloud and/or **containerized** environments.
- Make PX-Web **Open Source** and an ongoing development to extend the functionality of the service.

# Distance to CSPA

PX-Web fulfils the following CSPA features:

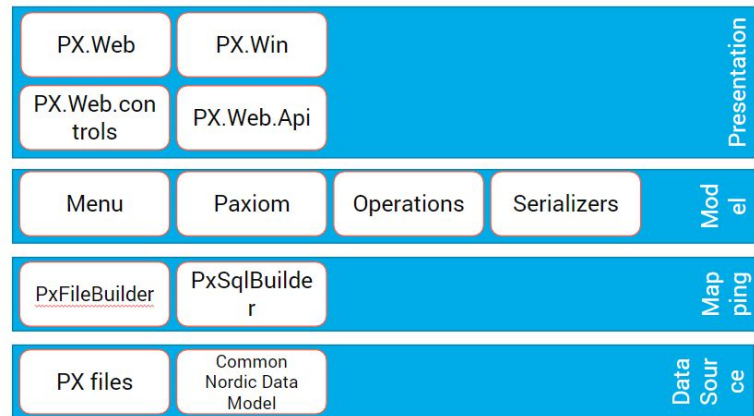
- F1. Documentation
- F2. Internationalization
- F6. Security solutions
- F8. Sandboxing for exploration([Demo](#))

In the near future we hope to fulfill the following CSPA features:

- F3. Open Source
- F9. Containerization

## The original master plan service 2

- Version 2020v1 Maj 2020 Open Source
- Containerize version 2020v1
- PX.Web-API 2.0 .Net core summer 2020
- PX.Web Nextgen Planned to start after summer 2020
- Containerized version of the PX-Web Nextgen

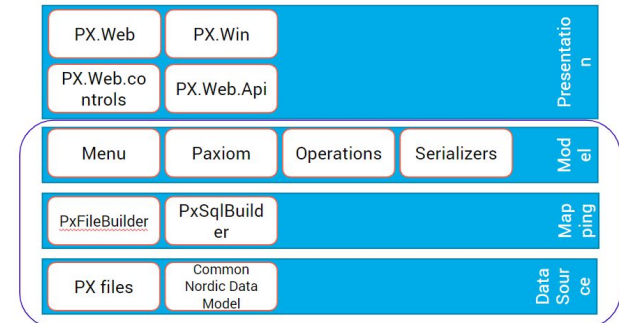


# Today

- Version 2020v1 Maj 2020 OpenSource & containerized.
- PX.Plattform upgraded to .Net Standard
  - Except for Search. Because of the lucene beta component.
  - Plans to extract search component so that they can be configured with other search engines.
  - The first search engine implemented by SCB will be Elastic search.
  - In Github all new development is done in Github:  
<https://github.com/statisticssweden/PxWeb>
- PXWebComparer - The testing application.
- PX.Web-API presentation layer not done.
- Next PX.Web 2021v1 release this week (WCAG)

This document describes deliverable D1.3.1 of the I3S ESSnet.  
 D1.\*.1 deliverables are software packages that are « made available in a form usable for its packaging and installation on the platform provided by WP3, and including runnable software, source code, technical documentation and test reports » (from project submission).  
 The following table give the addresses corresponding to these different elements.

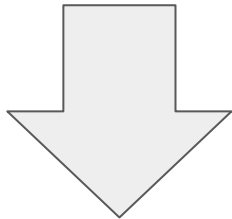
Software name	PX-Web
Software description	<a href="https://github.com/I3S-ESSnet/PxWeb">https://github.com/I3S-ESSnet/PxWeb</a>
Code, documentation & Docker images	<a href="https://github.com/I3S-ESSnet/PxWeb/releases/tag/d1.3.1">https://github.com/I3S-ESSnet/PxWeb/releases/tag/d1.3.1</a>
Test reports	<a href="https://travis-ci.org/runejo/PxWeb">https://travis-ci.org/runejo/PxWeb</a>
Quality report on tagged version	<a href="https://codeclimate.com/github/runejo/PxWeb/builds/32">https://codeclimate.com/github/runejo/PxWeb/builds/32</a>
Latest quality report	<a href="https://codeclimate.com/github/runejo/PxWeb">https://codeclimate.com/github/runejo/PxWeb</a>





# The new master plan

- PX.Web-API (presentation layer) beginning of 2021
- PX.Web Nextgen summer 2021



- PX.Web-API (presentation layer) end of 2022
- Extract search component end of 2022
- PX.Web Nextgen unknown