



Experience of going from .STAT to PxWeb

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Statistical Database

File-based PxWeb – main database

PxWeb SQL – foreign trade statistics

<https://andmed.stat.ee/en/stat>

- 4,700 datasets (incl 2,600 discontinued datasets)
- 4 main statistical domains + multidomain statistics and census statistics
- Discontinued datasets are presented separately

Statistical Database

Statistical database

This database does not contain data tables on foreign trade statistics. Tables for foreign trade statistics are published in the [foreign trade database](#).



- Environment
- Economy
- Population
- Social life
- Multidomain statistics
- Population and Housing Census
- Discontinued datasets

Foreign trade database

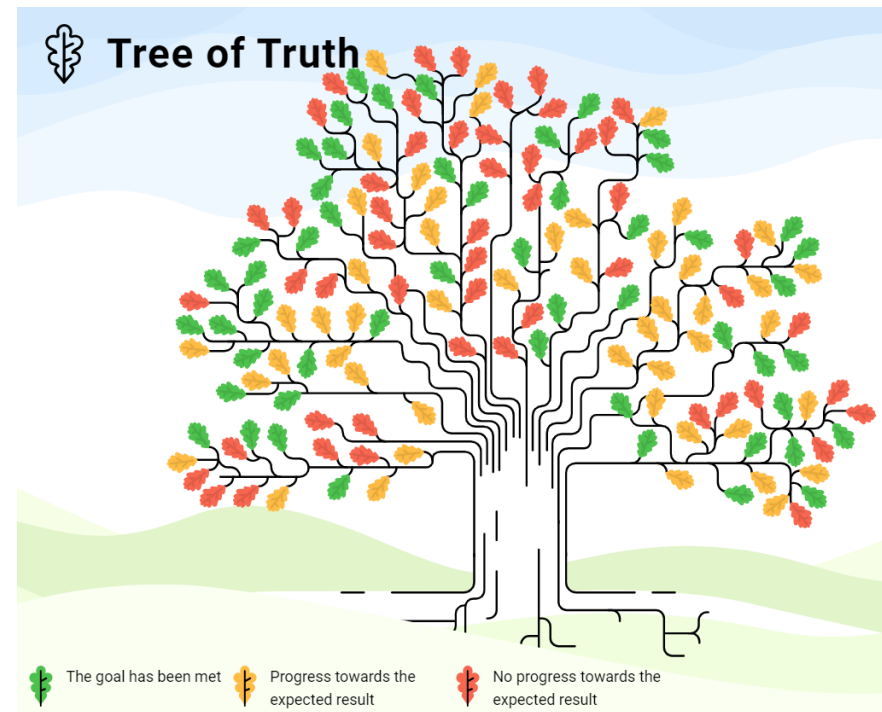
This database only contains data tables on foreign trade statistics. Tables for other domains can be found in the [statistical database](#).



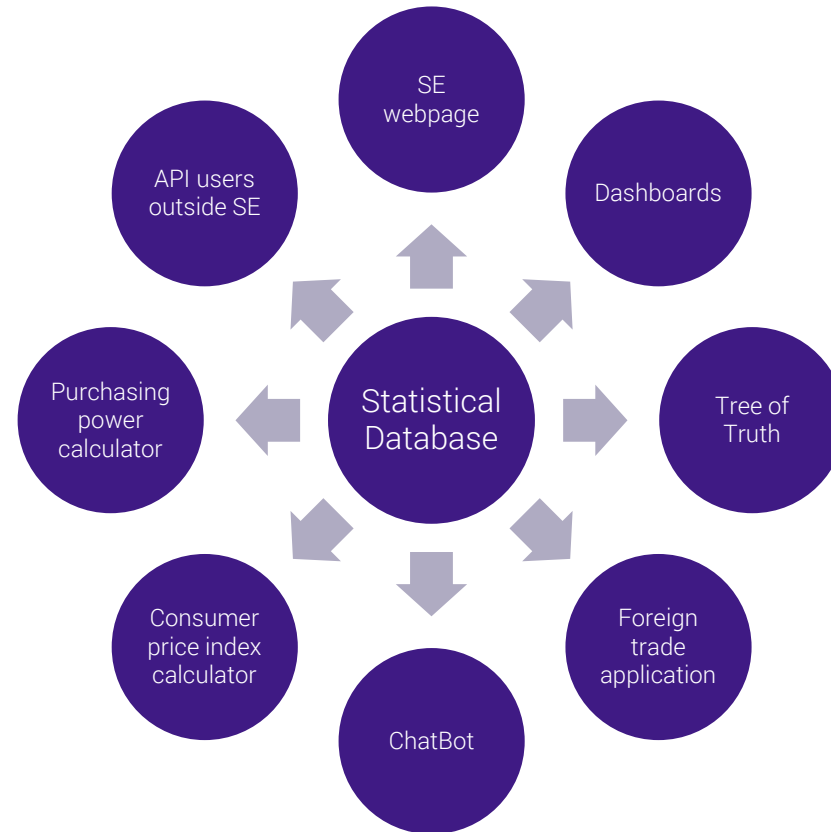
- Economy
 - Foreign trade
 - Foreign trade in goods
 - Foreign trade in goods by enterprise characteristics (TEC)
 - Foreign trade in service

Statistical Database

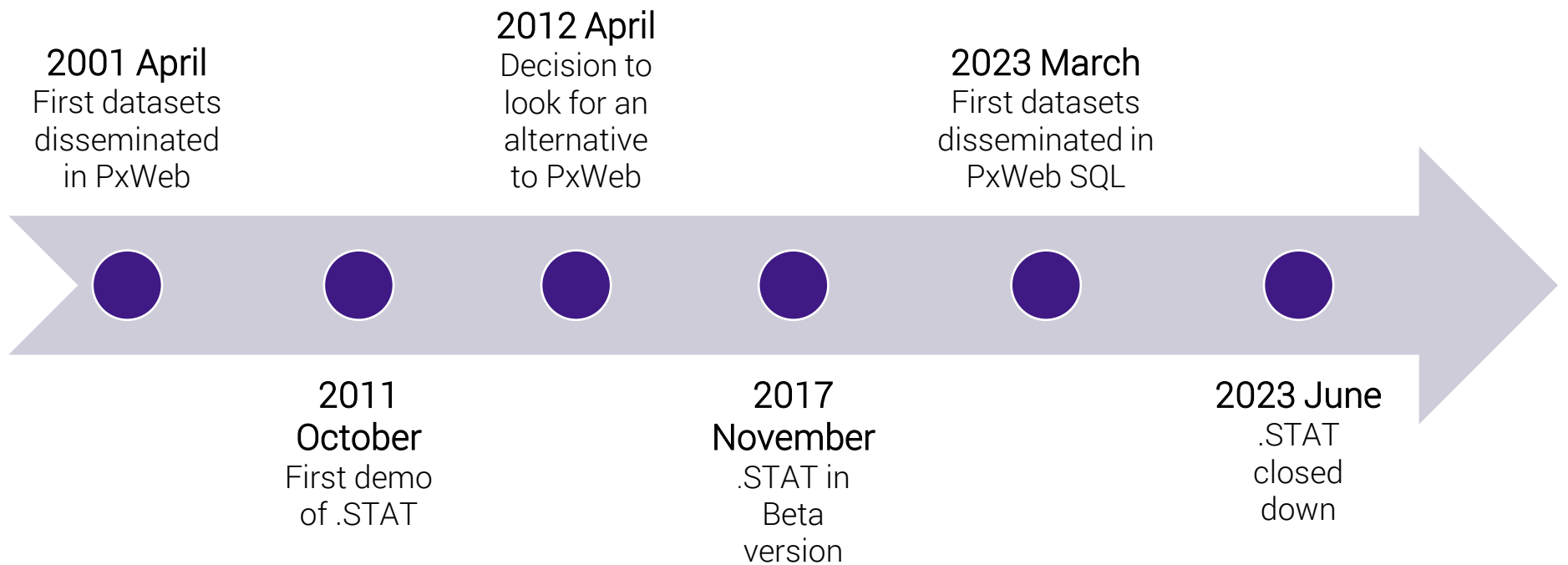
Primary source of data for SE applications



API Connections



Timeline



.STAT

- Community-driven
- Standard-based
- Componentised
- Open-source platform

Changed since the time SE was an active member

Issues regarding .STAT

Security
issues

Performance
issues

Timeouts
when handling
large datasets

Embargo

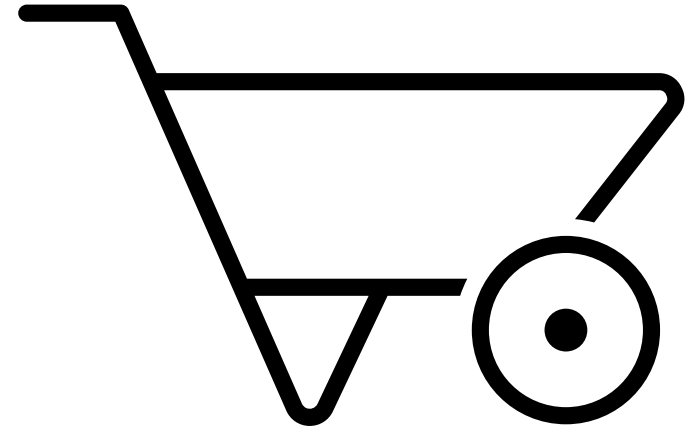
Archiving
solution

Data
visualisation

Issues regarding .STAT API

- Since API requests could only be made with GET request, the maximum allowed URL length was a problem in case of more complex requests (many value codes specified in the request).
- For larger API requests, timeouts were encountered.

Both issues had a workaround.



Closing down .STAT

From March 2023 onwards, data in this database are no longer updated. Official statistics can be found at andmed.stat.ee.

Although all the issues were reported, no solutions were found.

Customise selection

Expand all Collapse all Select items Unselect items Number of cells currently selected: 2904

Flow	Commodity (CN)	Country
<input checked="" type="checkbox"/> Exports	<input checked="" type="checkbox"/> Total	<input checked="" type="checkbox"/> Total
<input checked="" type="checkbox"/> Exports of goods of Estonian origin	<input checked="" type="checkbox"/> LIVE ANIMALS; ANIMAL PRODUCTS	<input type="checkbox"/> Andorra
<input checked="" type="checkbox"/> Imports by country of consignment	<input checked="" type="checkbox"/> LIVE ANIMALS	<input type="checkbox"/> United Arab Emirates
<input checked="" type="checkbox"/> Imports by country of origin	<input checked="" type="checkbox"/> MEAT AND EDIBLE MEAT OFFAL	<input type="checkbox"/> Afghanistan
	<input checked="" type="checkbox"/> FISH AND CRUSTACEANS, MOLLUSCS AND OTHER AQUATIC INVERTEBRATES	<input type="checkbox"/> Antigua and Barbuda
	<input checked="" type="checkbox"/> DAIRY PRODUCE; BIRDS' EGGS; NATURAL HONEY; EDIBLE PRODUCTS OF ANIMAL ORIGIN, NOT ELSEWHERE SPECIFIED OR INCLUDED	<input type="checkbox"/> Anguilla (UK)
	<input checked="" type="checkbox"/> PRODUCTS OF ANIMAL ORIGIN, NOT ELSEWHERE SPECIFIED OR INCLUDED	<input type="checkbox"/> Albania
	<input checked="" type="checkbox"/> VEGETABLE PRODUCTS	<input type="checkbox"/> Armenia
	<input checked="" type="checkbox"/> LIVE TREES AND OTHER PLANTS; BULBS, ROOTS AND THE LIKE; CUT FLOWERS AND ORNAMENTAL FOLIAGE	<input type="checkbox"/> Former Netherlands Antil
		<input type="checkbox"/> Angola
		<input type="checkbox"/> Antarctica
		<input type="checkbox"/> Argentina
		<input type="checkbox"/> American Samoa (US)
		<input type="checkbox"/> Austria
		<input type="checkbox"/> Australia
		<input type="checkbox"/> Aruba (NL)
		<input type="checkbox"/> Azerbaijan

All datasets Popular datasets

Search for datasets Reset

All domains

ECONOMY

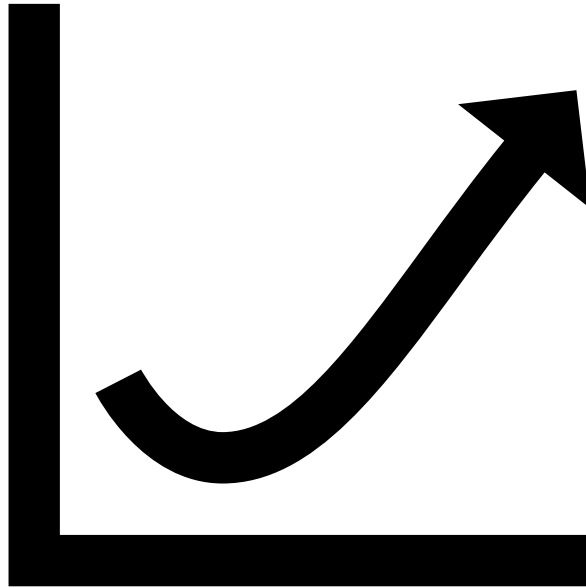
- Foreign trade
 - Foreign trade in goods
 - VK10_1: Exports and imports of goods by commodity (CN) and country 2004-2011
 - VK10_2: Exports and imports of goods by commodity (CN) and country 2012-2017
 - VK10_3: Exports and imports of goods by commodity (CN) and country 2018-2022
 - VK12: Exports, imports of goods and their change by country
 - VK14: Exports and imports of goods by commodity (SITC) and country
 - VK16: Exports and imports of goods by commodity (BEC) and country
 - VK18: Foreign trade indices by commodity section (SITC)
 - VK22: Exports and imports of goods by economic

VK10_2: Exports and imports of goods by commodity (CN) and country 2012-2017

Customise Export

Commodity (CN)	Unit	Reference period			
		2012	2013	2014	2015
TOTAL: Total	Euro	12 521 145 705	12 288 156 659	12 006 029 224	11 575 290 045
CN: LIVE ANIMALS; ANIMAL PRODUCTS	Euro	426 597 023	472 862 210	445 405 670	389 322 791
CN01: LIVE ANIMALS	Euro	35 012 975	35 374 646	34 200 336	42 770 862
CN02: MEAT AND EDIBLE MEAT OFFAL	Euro	57 698 733	60 311 035	46 156 944	49 309 672
CN03: FISH AND CRUSTACEANS, MOLLUSCS AND OTHER AQUATIC INVERTEBRATES	Euro	162 565 362	166 890 932	157 512 138	148 584 925
CN04: DAIRY PRODUCE; BIRDS' EGGS; NATURAL HONEY; EDIBLE PRODUCTS OF ANIMAL ORIGIN, NOT ELSEWHERE SPECIFIED OR INCLUDED	Euro	169 979 904	208 914 700	205 896 703	146 441 399

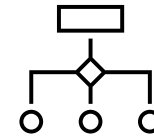
Lessons Learned



- Learning curve can be quite steep.
- Getting used to the new database takes time.
- Users need help and support.

Feedback for PxWeb

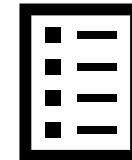
Displaying
hierarchical
dimensions



Searching a large
number of elements
from long code lists



Thorough
documentation



Feedback for PxWeb API

- In an API data request, it is not possible to specify decimal places for the data, only the data as it is displayed by default in the user interface can be received via the API. This means that if the dataset in the cube is actually of higher precision, it cannot be retrieved via the API.
- The notes information included in the response to an API request depends on the response format selected, and other formats are not equivalent to the PX format in terms of notes.
- It is not possible to get statistical data from API using GET request.

Plans for the Future

- Harmonised metadata
- All datasets are described in the metasytem
- Automated dissemination procedure
- Study videos for PxWeb

Thank you!

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