

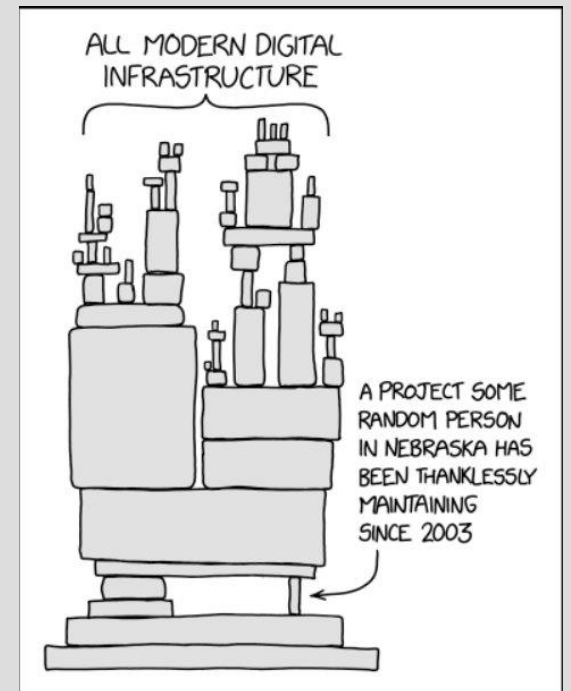


Using px at Statistical Office of the Republic of Slovenia

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SiStat building blocks

- Final aggregated data and metadata in bilingual multi-dimensional tables (px files)
- Px tools (PxEdit, PxWeb, PxWin)
- PxPublisher (our own application)
- Internal and external users (needs – user satisfaction survey)



SiStat history



2001 - first px files published

2017 - multilingual px files

2020 - PxPublisher, new Sostat (own solution - landing page, menu + PxWeb)

2021 - all tables (including HVD) available at OPSI (open data portal) via PxPublisherAPI

2024 - SiStat updated to PxWeb 2022, graphical redesign of custom pages and PxWeb, with interface improvements).

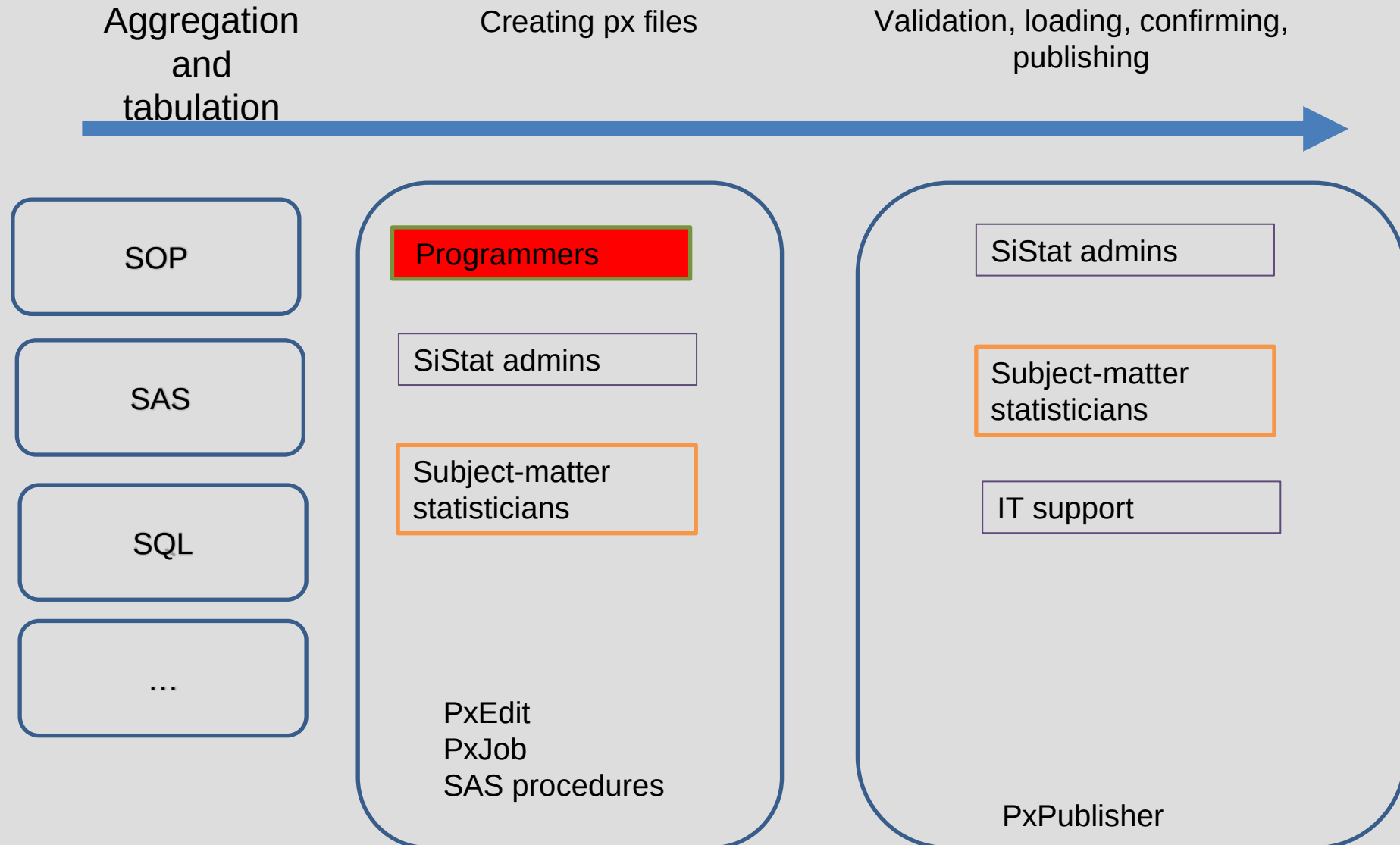
Using PxEdit, PxJob, PcAxis/PxWin over 20 years in production

Training courses for all employers

Content and technical support preparing px files



Publishing process in SiStat database



Preparing px files

- 95% via PxEdit, 5% semi-automatically with SAS procedures
- Multiple input sources (SAS, SOP - internal tool, sql databases, Excel), input format source: csv, xlsx...
- 110 statisticians + support from 3 Sistas admins
- Using PxJob for updating data, database maintenance and standardization

PxEdit special features

- Adding standardise notes via PxEdit (ini file)
- Datanotecells for adding less reliable data notes

E [1] Monthly unemployment rate by sex and age groups, Slovenia, monthly, experimental statistics

Variable: MONTH

Keywords: Meta part View Select Sort Edit Add Anonymise

MONTH	MEASURES	TYPE OF DATA	AGE GROUP	SEX	CELLNOTEX	CELLNOTE	DATANOTECCELL
2010M01	Monthly unem...	Seasonally an...	15-24 years	Sex - TOTAL			M
2010M01	Monthly unem...	Seasonally an...	15-24 years	Men			M
2010M01	Monthly unem...	Seasonally an...	15-24 years	Women			M
2010M01	Monthly unem...	Original data	15-24 years	Sex - TOTAL			M
2010M01	Monthly unem...	Original data	15-24 years	Men			M
2010M01	Monthly unem...	Original data	15-24 years	Women			M
2010M01	Number of un...	Seasonally an...	15-24 years	Sex - TOTAL			M
2010M01	Number of un...	Seasonally an...	15-24 years	Men			M
2010M01	Number of un...	Seasonally an...	15-24 years	Women			M
2010M01	Number of un...	Original data	15-24 years	Sex - TOTAL			M
2010M01	Number of un...	Original data	15-24 years	Men			M
2010M01	Number of un...	Original data	15-24 years	Women			M

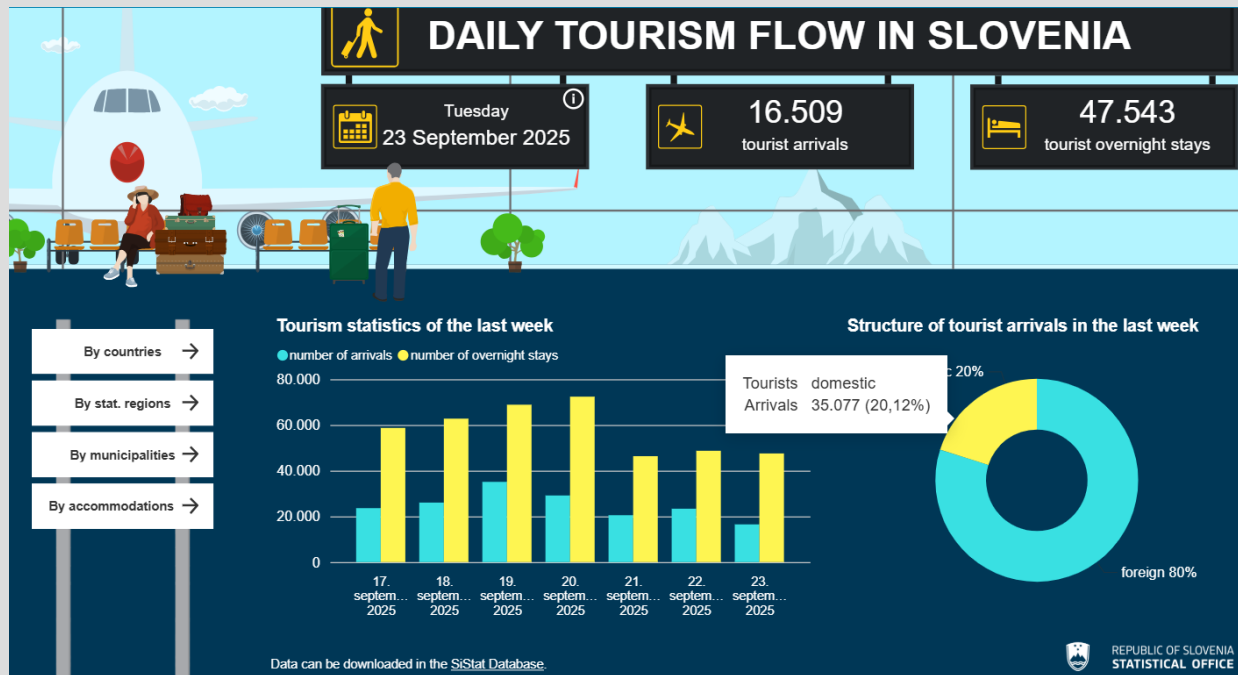
DAY Mandatory ☐ Se ☐ Sh ☐ Sele ☒ Sund ☐ Satur ☐ Frida ☐ Thursday, 18 September 2025 ☐ Wednesday, 17 September 2025 ☐ Tuesday, 16 September 2025 ☐ Monday, 15 September 2025 ☐ Sunday, 14 September 2025

COUNTRY

Last year: 2025 Clear
 Last period: 921 ☐ long format
 995

Px data integration

- Dashboards: [Slovenia interactively](#), [Population pyramid](#) ...
- PowerBI integration – via PxWebAPI and Qumio - Power Query (M) generator (pros + cons)



SiStat preparing tables – future challenges and historical flaws

Historical flaws:

External trade data in modified PxSQL solution (died in few years - migration to px files)

Adding too many notes in tables - hard to maintain

Future challenges:

Automation of preparing px files

Standardisation of codelist and metadata

Using hierarchies in codelist (not with vs and agg files) - not optimally supported with PxWeb

Destiny of PxEdit?



PxWeb + PxPublisher = SiStat

PxPublisher

Used for validation, loading, confirming and publishing the tables (px files) in the SiStat Database

Customized menu structure of content through PxPublisher - independent from location of px files (all in one folder)

Easy to change menu structure - add new sections in tree view

Easy to issue new ID's for new tables

Easy to change users (statisticians who updates and uploads the tables)

Sistat Editor

Area

Overview of matrix notifications on the SiStat portal

t (UPDATED).

A year

2024

▼

Adding i

	Published	The guy	Message SLO	Message from ANG	edit	Delete
Message type	4/6/2024	publication of a new table	New tables in the SiStat database: 2706319S, 2706320S, 2706321S, 2706322S.	New tables in the SiStat Database: 2706319S, 2706320S, 2706321S, 2706322S.	edit	Delete
Display date	31.5.2024	publication of a new table	New tables in the SiStat database: 2170219S, 2170220S.	New tables in the SiStat Database: 2170219S, 2170220S.	edit	Delete
SiStat area	31.5.2024	publication of a new table	New table in the SiStat database: 2170406S.	New table in the SiStat Database: 2170406S.	edit	Delete
Message in Slovenian	28/05/2024	table termination	Table 0953286S is no longer published in the SiStat database, the data can now be found in table 0953288S.	Table 0953286S has been removed from the SiStat Database. Data are in table 0953288S.	edit	Delete
	5/27/2024	change in structure - category	In the tables 1912002S, 1700102S, 2012102S, 2007402S, within the dimension ECONOMIC INDICATOR, a new category Accumulation of labor force was added.	A new value, Labor hoarding indicator, has been added in variable ECONOMIC INDICATOR in tables 1912002S, 1700102S, 2012102S, 2007402S.	edit	Delete
Message in English	20/05/2024	change in structure - category	In tables 0427601S, 0427602S within the INDEX dimension added a new category Quarter / average in 2021.	A new value, Quarter / average of the year 2021, has been added in variable INDEX in tables 0427601S, 0427602S.	edit	Delete
	5/16/2024	publication of a new table	New tables in the SiStat database: 0882714S, 0882715S.	New tables in the SiStat Database: 0882714S, 0882715S.	edit	Delete
	5/16/2024	publication of a new table	New tables in the SiStat database: 0887401S, 0887402S, 0887403S, 0887404S, 0887405S, 0887406S, 0887407S, 0887408S, 0887409S.	New tables in the SiStat Database: 0887401S, 0887402S, 0887403S, 0887404S, 0887405S, 0887406S, 0887407S, 0887408S, 0887409S.	edit	Delete
	5/16/2024	publication of a new table	New tables in the SiStat database: 0872002S, 0872003S.	New tables in the SiStat Database: 0872002S, 0872003S.	edit	Delete

for the English

14506325.px for the



PxPublisher API

Added features on the SiStat Database

Changing content structure on SiStat Database

Data exchange with OPSI (Slovenia open data portal)

HVD status update on OPSI

What have we achieved with SiStat?

More than 1 billion data points in 4523 published multi - dimensional data tables

Custom pages with customized PxWeb interface that includes additional functionalities, navigation and search bar.

Better integration with PxPublisher API to provide additional information about the tables within custom pages and PxWeb interface. Such as last updated tables, highlighted tables (we change them once per year with most viewed per statistical area), table titles on hovering the ID's, breadcrumbs, etc.

Improved search interface with autocomplete, last searched queries and additional table info, added filter for filtering tables within the treeview in category pages.

Notification banner and Changes site to notify users of changes in the tables or other important issues (through PxPublisher)



Show themes ▾

[SiStat](#) / List of database structure changes

LIST OF DATABASE STRUCTURE CHANGES

Upcoming changes

Date of change	Theme	Change description
29/9/2025	Economic accounts for agriculture	New table in the SiStat Database: 1561504S.

Latest changes

Date of change	Theme	Change description
23/9/2025	Government budget appropriations or outlays on R&D	Code of value for General advancement of knowledge in the variable SOCIO-ECONOMIC OBJECTIVE has been changed in table 2364303S .
22/9/2025		Maintenance of metadata for half-yearly tables in the SiStat Database has been completed. Due to technical



2024 user engagement highlights

170,000+ unique users

1.8 million+ pages viewed

PxWebApi calls: 60,000 (2020) → 600,000 (2024)

5,600+ saved queries



Future

We want to include PxWebAPI to more of our products. Example: API calls to SiStat Database for data used on our main website

The screenshot shows the homepage of the Republic of Slovenia Statistical Office. A red rectangular box highlights the main statistics section, which includes five data points with icons, values, and labels:

Icon	Value	Label
Population icon	2,130,638	POPULATION
Gross Earnings icon	2,517.11 €	GROSS EARNINGS
Unemployment icon	3.2 %	UNEMPLOYMENT
GDP Growth icon	0.7 %	GDP GROWTH
Inflation icon	3.0 %	INFLATION

Below this section are four blue buttons with white text:

- SISAT DATABASE**
Detailed statistics in tables
- NAMES AND BIRTHDAYS**
Data on names and birthdays
- TOURISM DAILY**
Tourism flow in Slovenia
- HELP CREATE STATISTICS**
Data collection

At the bottom, there are two images: an elderly couple sitting on a bench and a person in a cafe apron holding a cup of coffee. Below the coffee image, the date "Thursday, 25 September 2025" and the event "International Coffee Day 2025" are displayed. A blue circular button with an upward arrow is located at the bottom right of the page.



Future

When PxWeb 2.0 and PxWebApi 2.0 are released we plan to transition to the new products, which will also mean redesigning our SiStat Database.



Thank you for your time 😊