

# PC-Axis

## Table production systems and PX-Web update

Jaakko Laakso  
project manager  
Project for developing production processes and technology  
Jaakko.Laakso@stat.fi



## Tools for PC-Axis table production

<b>Tool</b>	<b>Use</b>	<b>Comment</b>
<b>SAS to PC-Axis</b> macroapplication	Used in all types statistics	Only if needed: PX-Edit and PX-EditBatch used for file validation and adding metada
<b>Super STAR</b> ver- sion II	Especially used in population statistics and other register based large production systems	Minimal metadata (mandatory keywords only)  Always needed: PX-Edit or PX-EditBatch used for file validation and adding metada
<b>PX-Edit</b>	Several data sources: Structured Excel tables, CSV-files, relational database listings etc.	The best validation tool and the best PC-Axis table quality in output

<b>Tool</b>	<b>Use</b>	<b>Comment</b>
<b>PC-Axis 2006</b>	Used as table browser and retrieving data from large working cubes for some information services	Installed to 1003 workstations in the agency (some 200 of the 1200 computers are used to handle statistics)
<b>PX-Edit</b>	Creating files from several data sources, file validation Metadata editor to fulfill the in house metadata standards	Installed to 1003 workstations in the agency (some 200 of the 1200 computers are not used to handle statistics...)
<b>PX-Tool</b>	The main tool for managing databases	PX-edit used also by the administrators of the databases
<b>PX-Web 2006</b>	Used on external and internal px-web-servers External service contains 5 500 tables total, of which 500 are in charge free StatFin database	Multilingual px-files supported and traditional single language files as well. Testing multilingual files. Not yet multilingual px-files in production.
<b>PX-iMap</b>	Used on external and internal px-web-servers	Works on any standard browser. Needs no plugins or java-applets. Picture format border lines are royalty free. Map facility is linked only to variables fit for map presentation. (=selected variables collected to separate px-files, so called map tables)

## The new update system decentralizes the update

- Introduction in October 2007
- The updates and their timed transmissions will be done by the persons who are responsible for the sets of statistics
- File names are standardised corresponding to the html-files.
- The update system validates the px-file names also.
- Every version on the px-file sent to the PX-Web server will be archived

Valitse julkaisutiedosto - Mozilla Firefox

Tiedosto Muokkaa Näytä Sivuhistoria Kirjanmerkit Työkalut Ohje

http://intra.stat.fi:9321/hakemisto/statfin\_testi\_1/

MeSta

> Webjastin

### Valitse julkaistavat tiedostot

Nimi	
<input type="checkbox"/> 011_kswf_011_1998_001.px	24.4.2007 17:29

Valitse julkaisun päivämäärä

Syyskuu, 2007						
Tänään						
Wko	Ma	Ti	Ke	To	Pe	La
35					1	2
36	3	4	5	6	7	8
37	10	11	12	13	14	15
38	17	18	19	20	21	22
39	24	25	26	27	28	29

Valitse julkaisun kellonaika

Valmistus: [ ]

Vahvista julkaiseminen

Valmis

Proxy: None

Select:  
 -html pages to be sent to Web  
 -px-tables to be sent to PX-Web

Set date

Set time

Confirm

## File name standards

- File names on the PX-Web are constant
  - Update the table is to replace (over write) the existing px-file
- File names for archived files include the **publication time**
  - If the name of the active file in PX-Web is
  - **000\_tilasto\_tau\_001\_fi.px**
  - so the corresponding archive name is (for table version **updated 5th September 2007**)
  - **000\_tilasto\_2007-09-05\_tau\_001\_fi.px**

## Elements of the file name

- `000_tilasto_2007-09-05_tau_001.fi.px`
- Where
- `000` sort code for PX-Web user interface !!!?
- `tilasto` topic code
- `2007-09-05` publication time (day published)
- `tau` means it's a table file (**taulu** in Finnish)
- `001` topic internal table number
- `fi` Language code
- File names without language codes have been reserved for tables with multilingual contents