The National Documentation Projects

Preben Etwil

The National Documentation Projects

The work was initiated in 2006 when the Government and Local Government Denmark made an agreement:

Improve documentation for the most important service areas offered by the municipalities.

Collect more Microdata and Publish indicators

Projects initiated

The following National Documentation Projects have been implemented:

- Elderly care
- Health
- Disadvantaged children and young people
- Disability care

Primary school and daycare facilities are waiting for implementation.

Decision Maker

- For each area, the indicators are agreed in working groups across the Ministry of Social Affairs, Ministry of Finance and Local Government Denmark

From 1. januar 2013 :

Disadvantaged children and young people

- Support given to families will be reported on the micro level.(CPR-number)

- Data collection will be electronic

Number of families receiving assistance

Up until last year - Some of the services were only recorded as a benefit for the whole family

The municipalities reported the number of families receiving the different types of assistance/services.

Indberetningen skal specificeres på hver enkelt ydelse, hvor der er ydet bistand i 2011.

		Ydelse	Antal familier
1.	§ 52, stk. 3, nr. 1	Ophold i dagtilbud, fritidshjem, ungdomsklub, uddannelsessted el.lign.	209
2.	§ 52, stk. 3, nr. 2	Praktisk, pædagogisk eller anden støtte i hjemmet	754
3.	§ 52, stk. 3, nr. 3	Familiebehandling eller behandling af barnets eller den unges problemer	76
4.	§ 52, stk. 3, nr. 4	Etablering af døgnophold for både forældremyndighed, barnet og andre medlemmer af familien	
5.	§ 52, stk. 3, nr. 6	Etablering af kontaktperson for *hele familien*	

Publishing Statistics

Families with certain preventive measures by region, measure and time

	2007	2008	2009	2010	2011
All Denmark					
Families total	31 495	30 946	33 676	30 996	32 357
Total families (gross)	42 534	41 461	45 355	43 200	43 318
Support for parents in coonection with child¿s placement (§54)	1 256	1 452	1 823	2 133	2 512
Other support (§52 stk.3. 9)	1 360	1 689	1 980	2 059	2 486
Establishment of contact person for the entire family (§52 stk.3.6)	2 175	2 023	2 147	1 320	2 311
Establishment of residential stay (§52 stk. 3 nr. 4)	423	431	498	399	589
Family therapy or support (§52 section 3 no. 3)	8 451	8 886	9 826	10 432	10 360
Practical educational or other support in the home (§52 stk. 3 nr. 2)	4 074	4 238	4 356	4 409	4 581
Stay in day-care (s.52.3.1)	9 380	7 487	8 409	6 958	2 495
Final support (§52a. 2)	11 025	10 773	11 157	10 753	9 559
Final support to prevent placement (§52a. 3)	4 390	4 482	5 130	4 705	3 921
Expenditure in connection with consultancy services according to section 11. (s.52a.1)	0	0	0	0	1 992
Parenting Orders (§ 57a)	0	0	29	32	39
Expenditure in connection with contact between parent and child during placement of the child (s.52a.4)	0	0	0	0	2 141
Expenditure in connection with methods of contraception (s.52a.5)	0	0	0	0	332

Some municipalities do not have the opportunity to reprot Number of families and is therefore a 0 in the table.
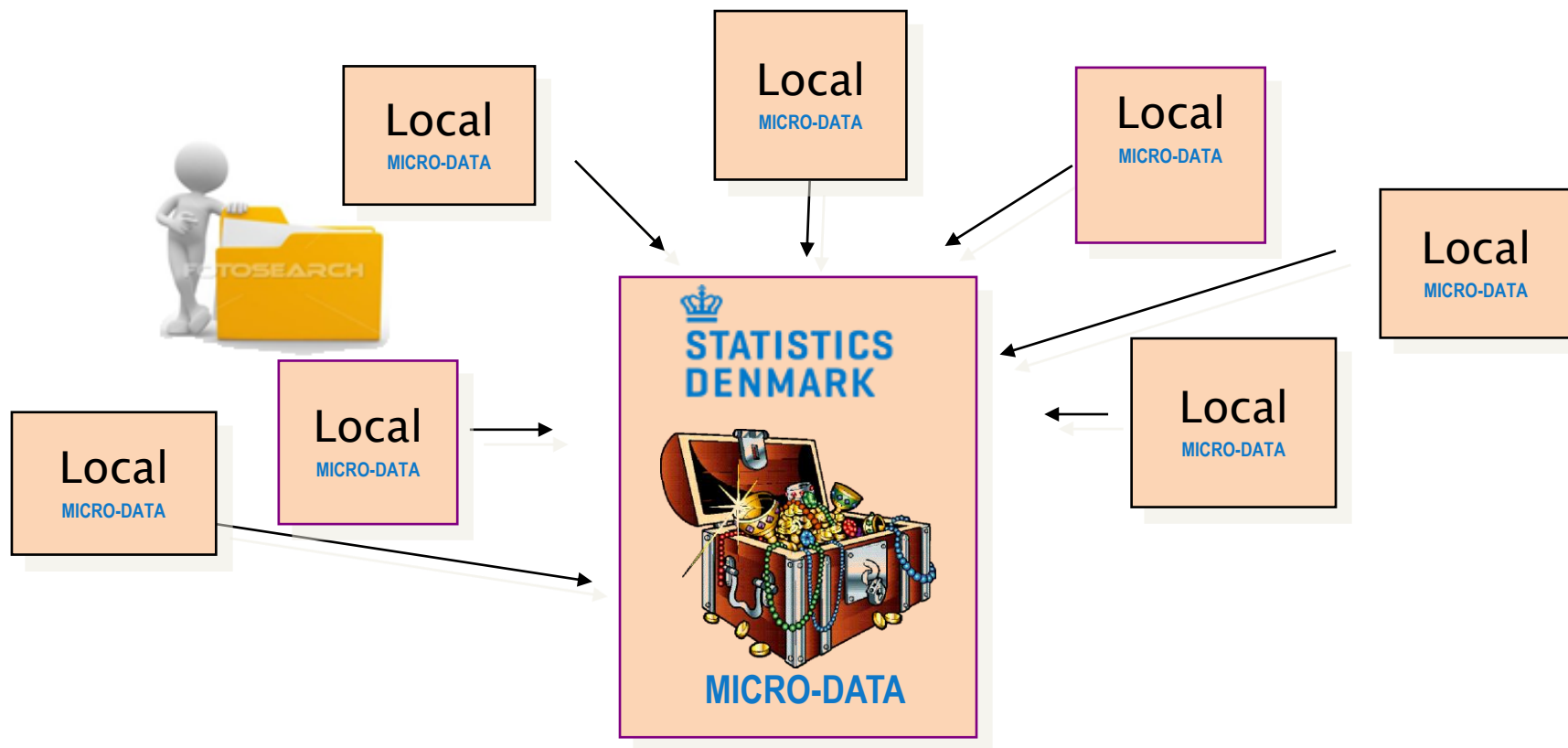
From 2013 - CPR - Key-variable

- Municipalities must from 1 January 2013 report all services along with information about the social security number for the child receiving help. (Data from 1. January 2012)
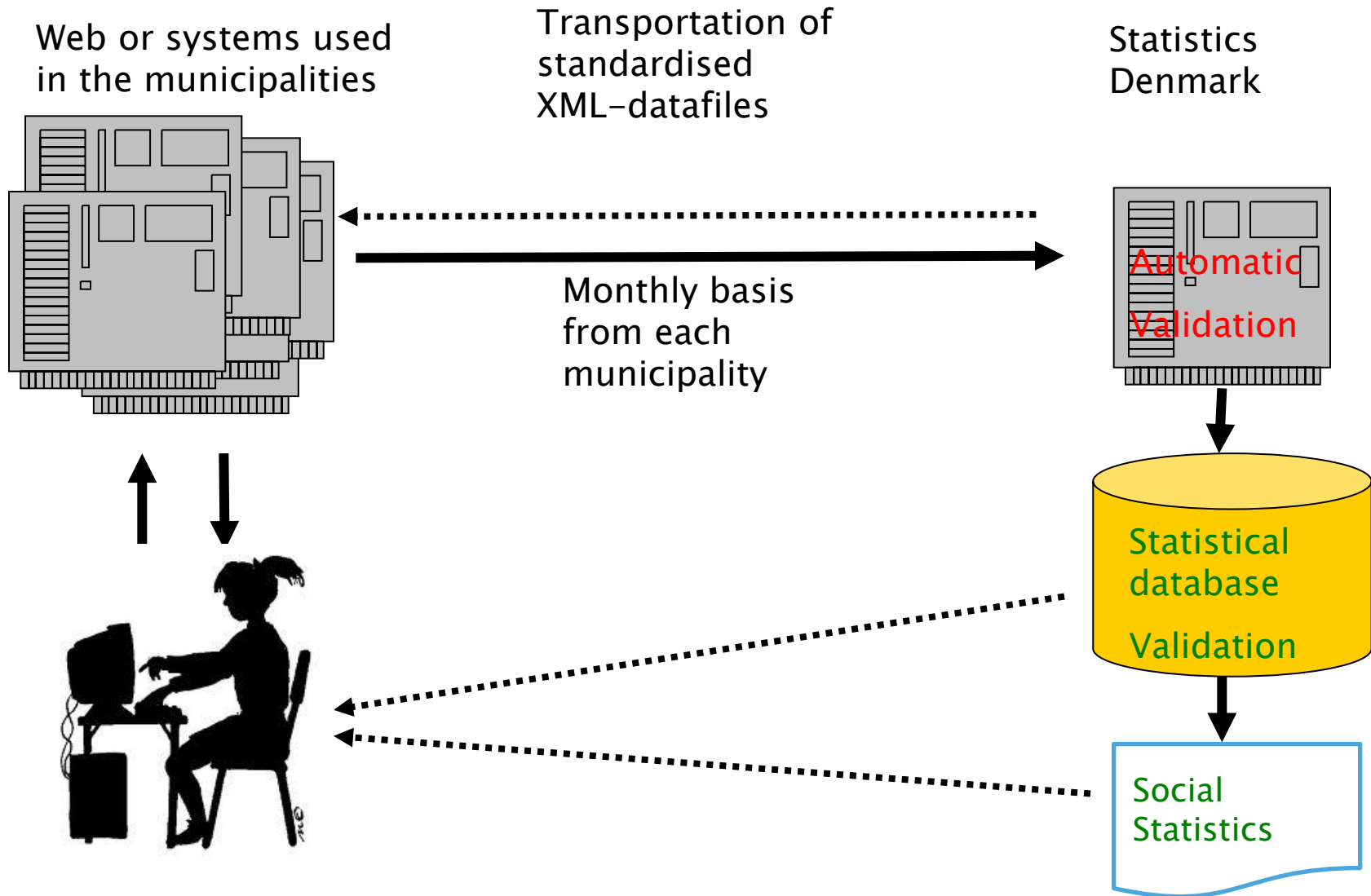
Source register:
98 local registers (municipalities)

It is possible to be linked with a multitude of social data from other registers ("Moduldata")

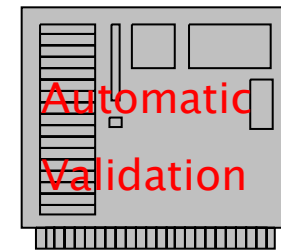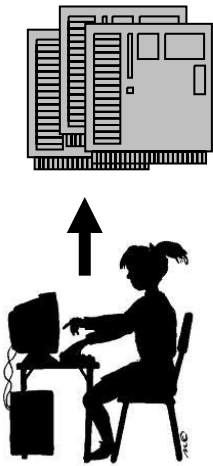# Statistics Denmark collects the data

Web or systems used in the municipalities

Transportation of standardised XML-datafiles

Statistics Denmark

Monthly basis from each municipality
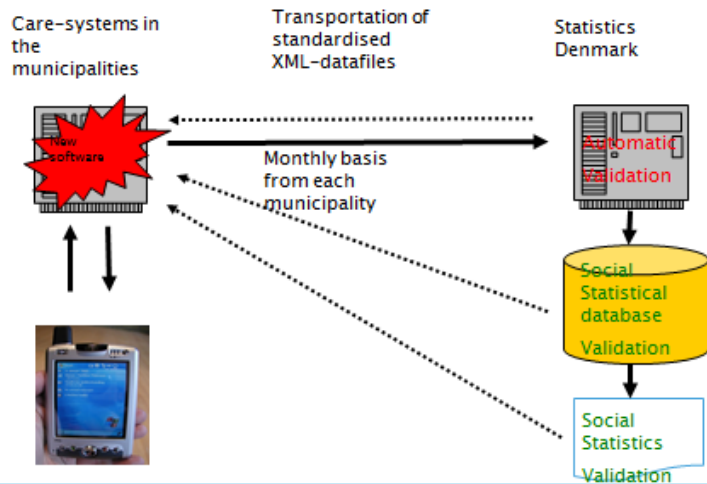
Automatic Validation

Statistical database

Validation

Social Statistics

Six different system suppliers + Web
Disadvantaged children and young people

Web or systems used in the municipalities

WEB

LOGICA

IBM

CSC

KMD
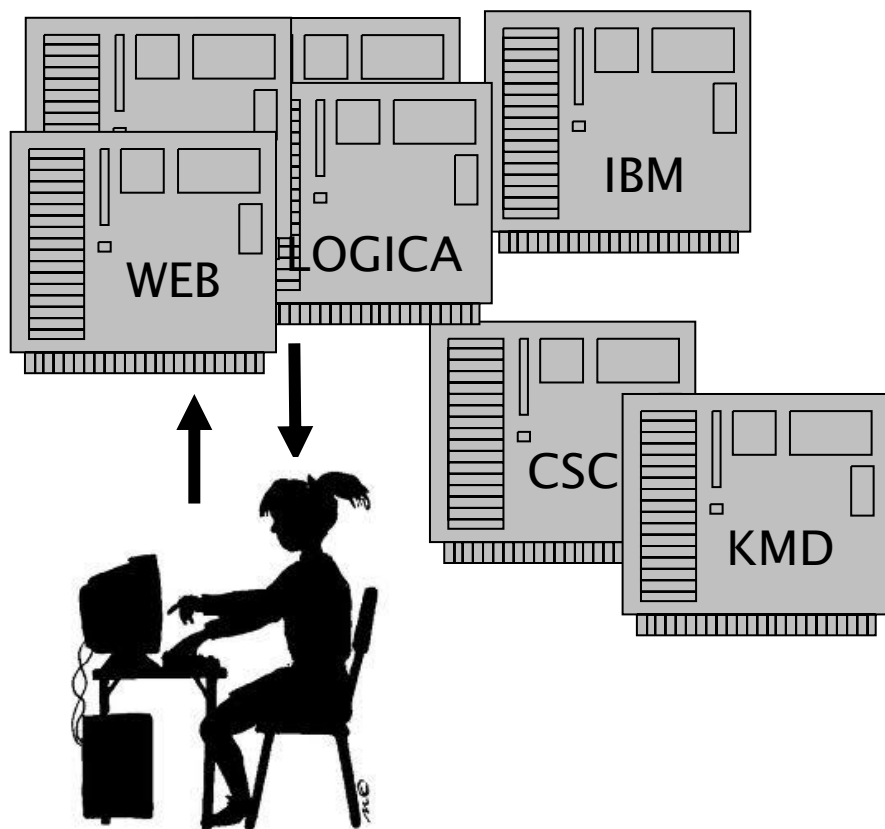
Differences in the suppliers software system

Validation - data entering in the system

Web-system or
system used in the
municipalities
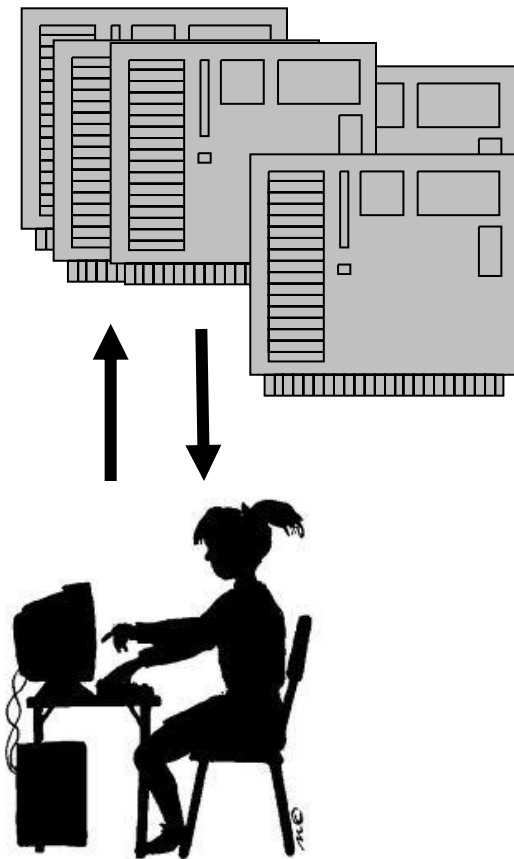
Validation

- **Missing values**

- **Personal Identification Number**

- **Valid values**

STATISTICS
DENMARK

Error Detection – every month

Web or system used
in the municipalities

Transportation of
standardised
XML–datafiles

Statistics
Denmark

Automatic

Validation

Monthly basis
from each
municipality
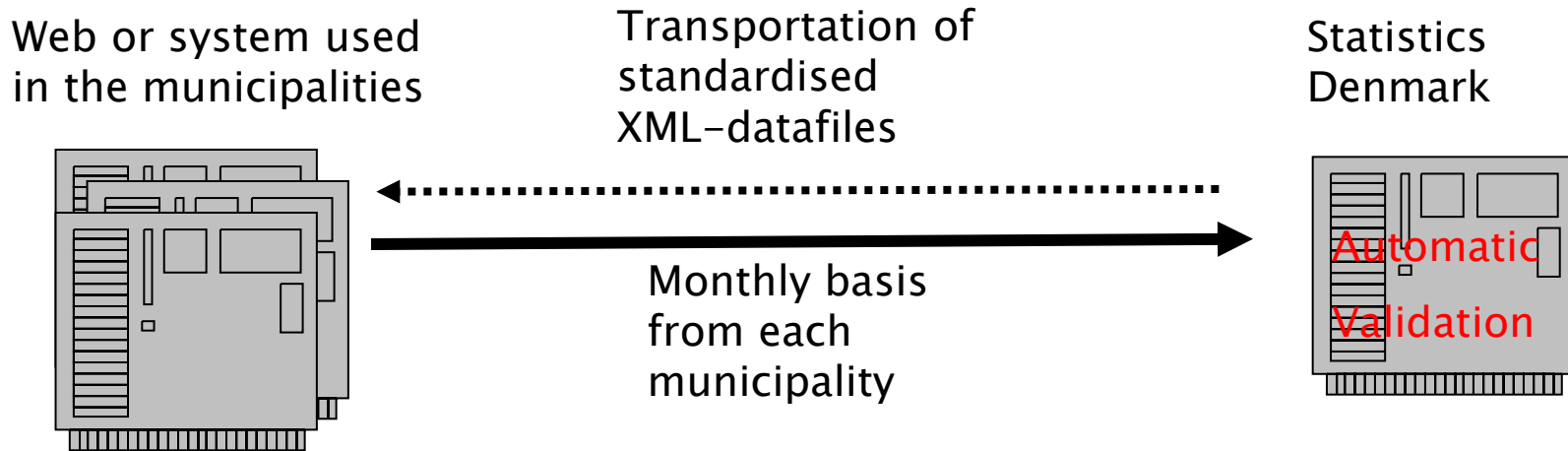
E-mail automatically to the municipalities
    Technical errors
    Metadata

    ….

Also an e-mail with acceptence of the delivery

STATISTICS
DENMARK
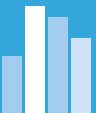
ERRORS – input data

Web or system used
in the municipalities

Transportation of
standardised
XML–datafiles

Statistics
Denmark

Automatic

Validation

Statistical
database

Validation

Social
Statistics

- History data and delivered data do not match

- Missing files from the Municipalities
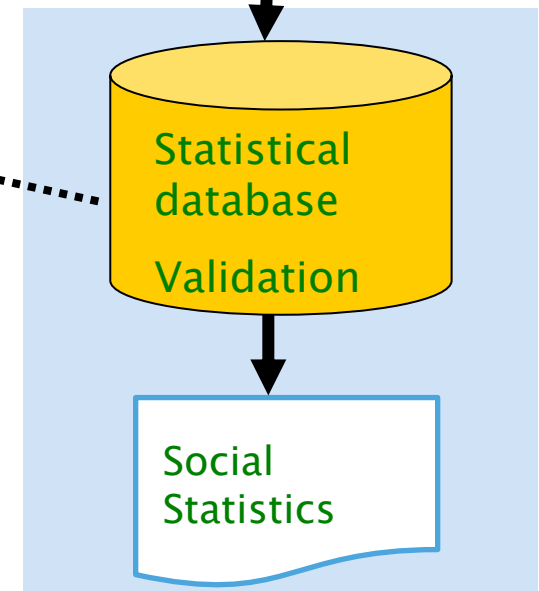
Experience : Elderly care

Statistics Denmark collects the data

Care-systems in the municipalities

Transportation of standardised XML-datafiles

Statistics Denmark

New software

Monthly basis from each municipality

Automatic Validation

Social Statistical database

Validation

Social Statistics Validation

STATISTICS DENMARK

Error Detection

- Every night – input data:
  - Email automatically to the municipalities
    - Technical errors
    - Missing values and codes
    - Metadata
    - Personal Identification Number
    - Company Identification Number
    - Negative figures
    - ....

  Also an email with acceptence of the delivery

Error Detection – input data

- Every month: A report with graphics and tables

- Three times per year: missing data?

- Every Year starting in January:
  - Error detection for all data from all the municipalities
  - A letter including graphics and tables. Ask them to accept/validate the data.
    - Looking for decreases and increases in the data. Looking both 2 years back - but also 5 years.

ERRORS – input data

BIG

- Missing values for the private suppliers
- Differences in the suppliers software system
- People in the municipalities are not well-trained with IT
- The Municipalities cannot recognize their data

MINOR

- Often missing values for all month
  - Use an average for the year
- Referral and delivered data do not match
- Dead people
- Not valid Personal Identification Number
- Not valid Company Identification Number
- Unbelievably big data
- ….

Quality Assurance

- After acceptance of the Municipalities different quality reports are made:
  - Last years statistics
  - Statistics in other municipalities
  - Male/female, age groups, private suppliers, time groups

  - Using figures in percentage and total:
    - Average help
    - Number of hours
    - Number of people

Lessons learned

- The quality of data are varying between the municipalities

- Many problems with the suppliers of the it-systems

- Using much, much time on editing data

- When the municipalities change their it-system we often miss data or get data on excel

- …

STATISTICS
DENMARK
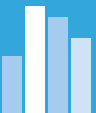
The Production Model
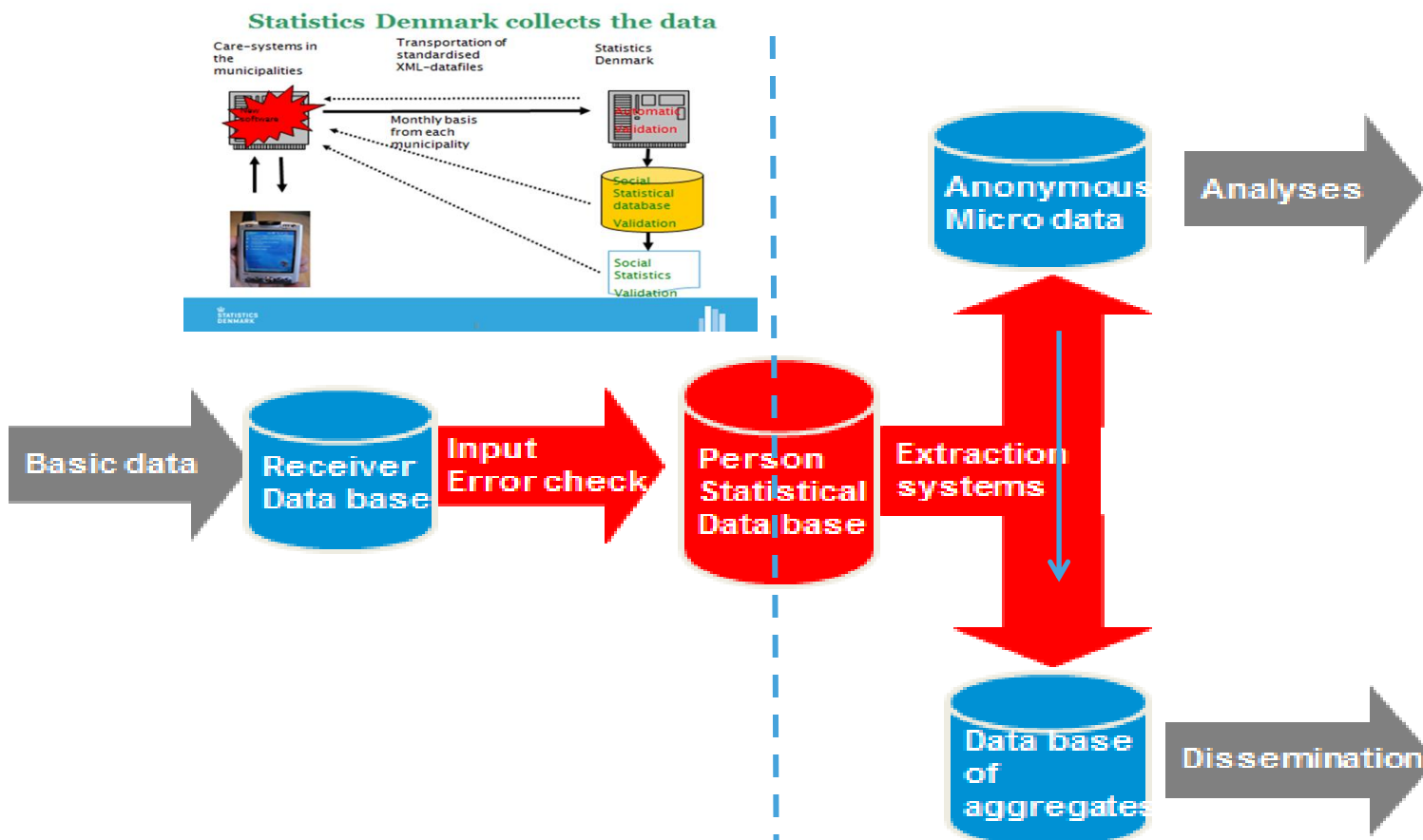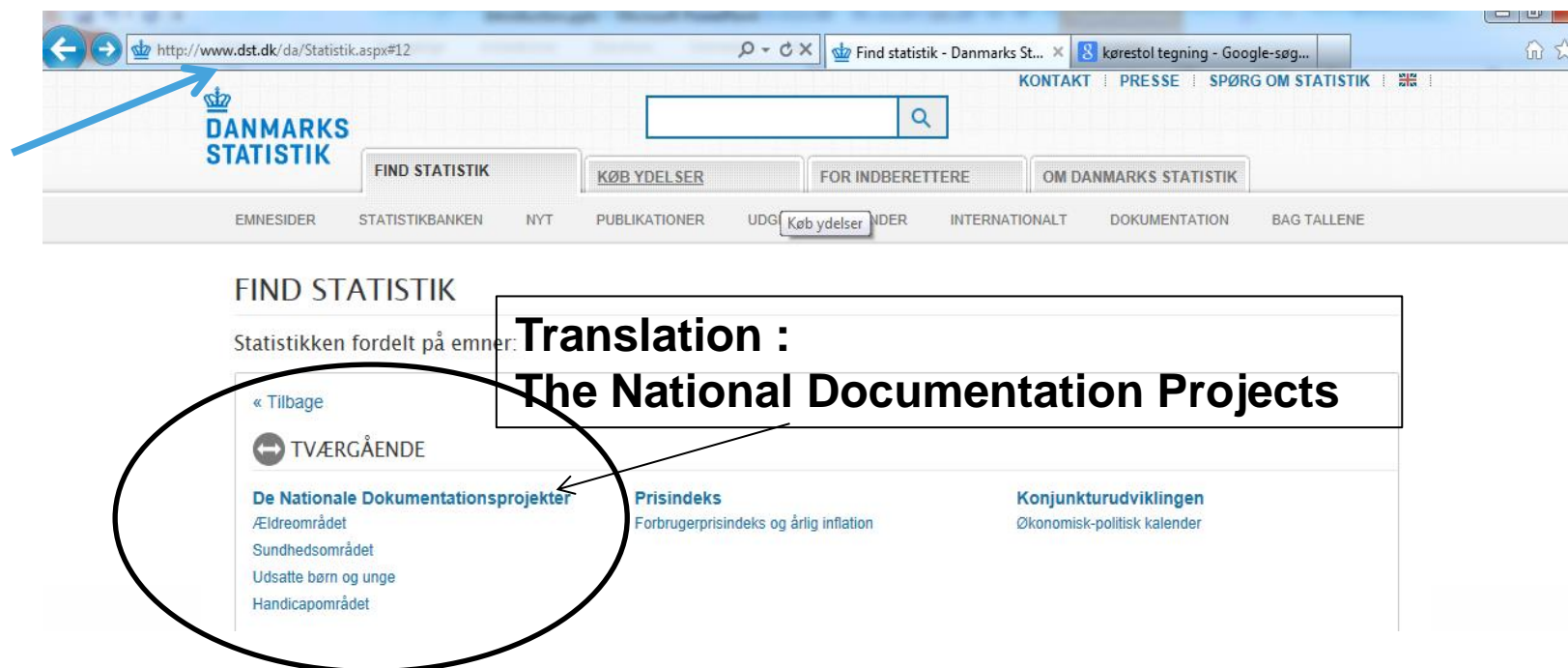
Anonymous Micro data
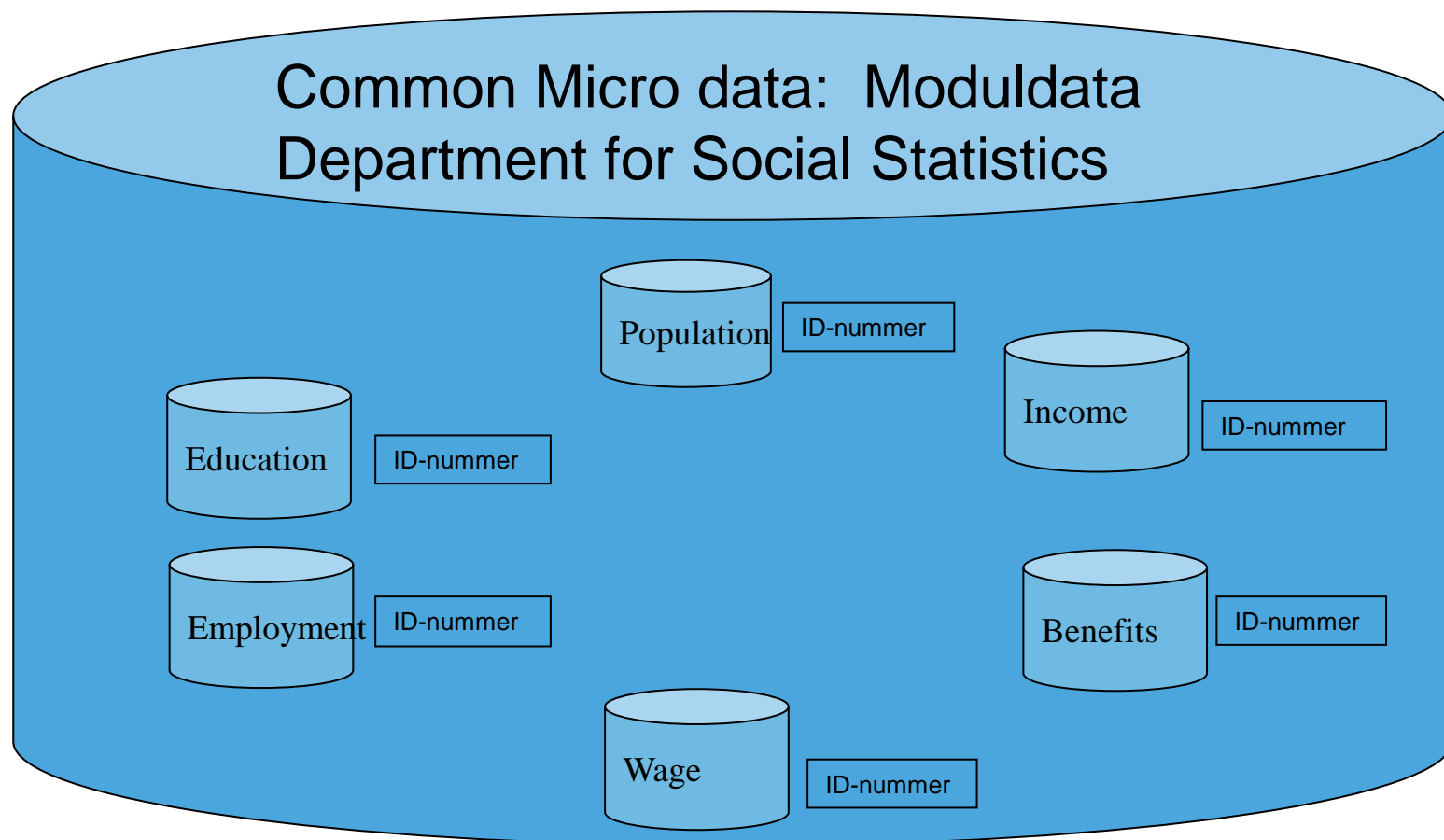
Home page (Aggregates)

- For the National Documentation Projects, it is decided to publish the indicators agreed upon on Statistics Denmark's home page.

Statbank
(indicators only in Danish)