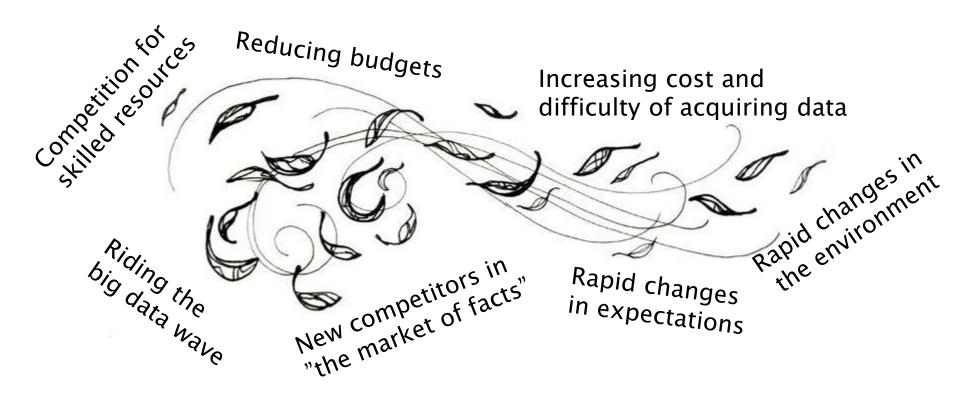


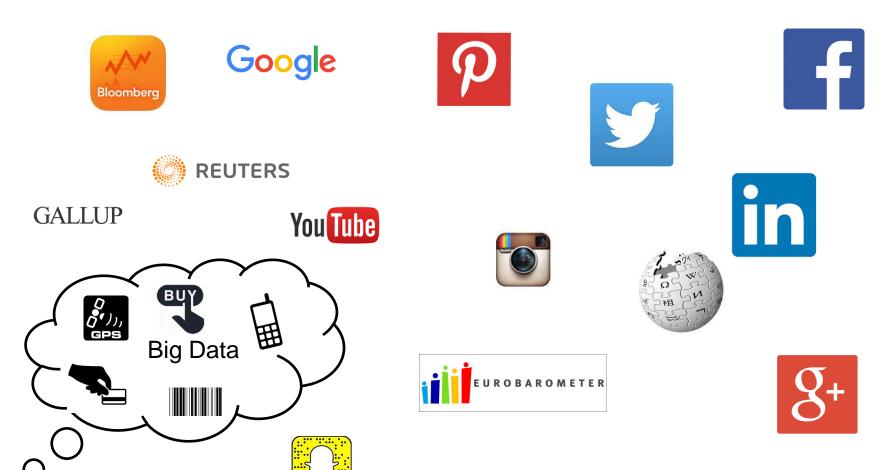
## A change is going to come







## Competition in the "market of facts"



#### **Product and services**

- We supply the users with the value added statistics
  - Adapting to new or changed user needs
  - Visible in the public debate
  - Making statistics relevant through analyses
  - Intensify contact with the research community
  - Making webpage into a hub for all official statistics





#### **Involve with users**

- Define (and prioritize) users
- Learn how users work

 Differentiate products and services according to different users and their needs

Prioritize dialogue with users

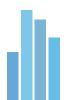




#### Share knowledge about users

- Focus on the user should be incorporated all the processes in statistical production
- Users are not alike and their preferences are changing
- Share relevant information about users
- Let the knowledge of users and user behavior be included in the development of statistics, dissemination and communication





## Be visible and preferred

- Analyse
- Visualise
- Timely
- Flexible

- Relevant
- Accessible
- Timely
- Quality declaring



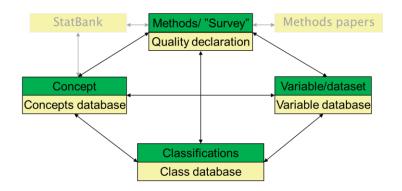


#### **Preconditions**

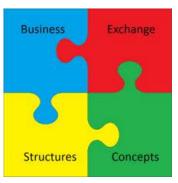
- Competences
- Resources
- Infrastructure

| Quality Management / Metadata Management |  |  |  |  |                                       |   |                                    |
|--|--|--|--|--|---------------------------------------|---|------------------------------------|
| Specify Needs                            | Design   | Build  | Collect                                | Process                                | Analyse                               | Disseminate   | Evaluate                           |
| 1.1<br>identify needs                    | 2.1<br>Design outputs                          | 3.1<br>Build collection<br>instrument                  | 4.1<br>Create frame &<br>select sample | 5.1<br>Integrate data                  | 6.1<br>Prepare draft<br>outputs       | 7.1<br>Update output<br>systems                       | 8.1<br>Gather evaluation<br>inputs |
| 1.2<br>Consult & confirm<br>needs        | 2.2<br>Design variable<br>descriptions         | 3.2<br>Build or enhance<br>process<br>components       | 4.2<br>Set up collection               | 5.2<br>Classify & code                 | 6.2<br>Validate outputs               | 7.2<br>Produce<br>dissemination<br>products           | 8.2<br>Conduct evaluation          |
| 1.3<br>Establish output<br>objectives    | 2.3<br>Design collection                       | 3.3<br>Build or enhance<br>dissemination<br>components | 4.3<br>Run collection                  | 5.3<br>Review & validate               | 6.3<br>Interpret & explain<br>outputs | 7.3<br>Manage release of<br>dissemination<br>products | 8.3<br>Agree an action<br>plan     |
| 1.4<br>Identify concepts                 | 2.4<br>Design frame &<br>sample                | 3.4<br>Configure<br>workflows                          | 4.4<br>Finalise collection             | 5.4<br>Edit & Impute                   | 6.4<br>Apply disclosure<br>control    | 7.4<br>Promote<br>dissemination<br>products           |                                    |
| 1.5<br>Check data<br>availability        | 2.5<br>Design processing<br>& analysis         | 3.5<br>Test production<br>system                       |  | 5.5<br>Derive new<br>variables & units | 6.5<br>Finalise outputs               | 7.5<br>Manage user<br>support                         |                                    |
| 1.6<br>Prepare business<br>case          | 2.6<br>Design production<br>systems & workflow | 3.6<br>Test statistical<br>business process            |  | 5.6<br>Calculate weights               |                                       |   |                                    |
|  |  | 3.7<br>Finalise production<br>system                   |  | 5.7<br>Calculate<br>aggregates         |                                       |   |                                    |
|  |  |  |  | 5.8<br>Finalise data files             |                                       |   |                                    |

Generic Statistical Business Production Model

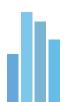


Metadata Model



Generic Statistical Information Model





# Statistics are valuable when everybody believes they are credible

- Statistics must be impartial and objective
- Independence of the NSI must be specified in law
- Statistics must be reliable. If errors are made: Publish corrections as soon as possible
- Release dates must be pre-announced
- No political considerations must be taken into account
- Statistics must be available to all users at the same time
- Information on individual persons and businesses is treated confidentiality

## Threats to independence

- Attempts to influence results?
- Attempts to influence methods?
- Attempts to influence which statistics (not) to compile?

#### Measures:

- UN Fundamental Principles
- EU Statistics Code of Practice
- Legal foundation



