



Session: Quality improvement methods in Household Surveys Wednesday, 1st June

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What is it?

Which are the benefits of use it?

How does it work?

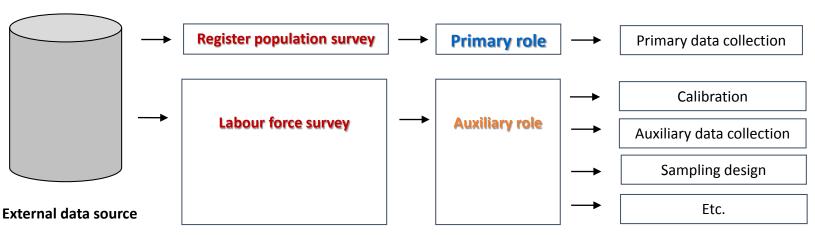




### What is NOT it?

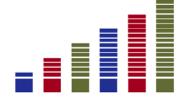
A Staterd Tool for DATA Quality Assessment of External Sources in the Statistical Production

#### This one depends on the use of the external source



e.g. The administrative population register

(Padrón municipal)





### What is it?

A Standard Tool for METADATA Quality Assessment of External Sources in the Statistical Production

This one NOT depends on the use of the external source

- Just one assessment for all uses -

### Why is it important?

Knowledge and documentation is VITAL to help us to use them:





What are concepts and definitions used? ...

- Strengths -
- Weaknesses -
- What could be improved -









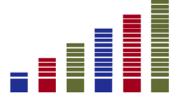
### How does it work?

The tool assesses the **STATE OF CLARITY** in the metadata of an external source in seven items or dimensions:

- 1. Population units
- 2. Time dimensión
- 3. Geographical scope
- 4. Statistical variables
- 5. Communication of changes
- 6. Data checks
- 7. Data modifications



- Just one by source
- Not long time
- Graphical output
- Outcomes suggestions



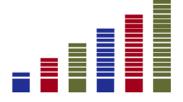


#### **Input items:**

#### 1. Population units

Are the population units defined clearly by the data supplier? :

a: Description clear
b: Description unclear
c: Description missing
→ 100%
→ 50%
→ 0%

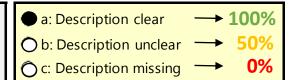


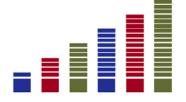


#### **Input items:**

#### 2. Time dimension

Is the period or point in time to which the data refer clearly described by the data source supplier? : ----->



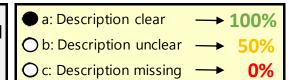


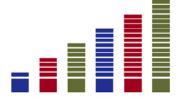


#### **Input items:**

#### 3. Geographical scope

Is the geographical scope to which the data refer clearly described by the data source supplier?: ----->



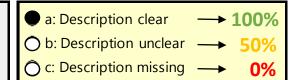


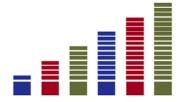


#### **Input items:**

#### 4. Statistical variables

Are the statistical variables clearly described by the data source supplier (classifications. codifications used, etc...)?: ----->





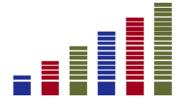


### **Input items:**

#### 5. Communication of changes

When the data source supplier has adjusted a definition, is this change communicated clearly?: ----->

a: No changes ocurred →100%
b: Communication clear →100%
c: Communication unclear →50%
d: Communication missing → 0%



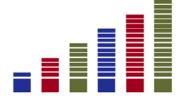


#### **Input items:**

#### 6. Data checks by the supplier

Are the supplier's data checks clearly described (uniqueness of the units, plausibility of variables and combinations of variables, extreme values, etc...)?: ------>

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a: Description clear → 100%
b: Description unclear → 50%
c: Description missing → 0%
```

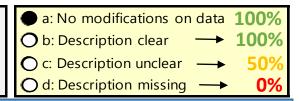


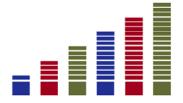


#### **Input items:**

#### 7. Data modifications by the supplier

Are the supplier's data modifications clearly described (editing and imputation data rules, default values for missing data, etc.)? : --

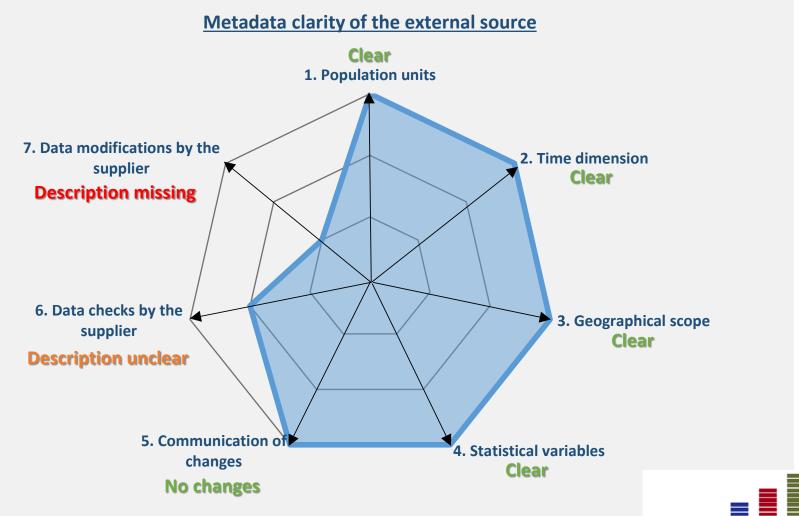






Results of the evaluation in the clarity of metadata:	Example
1. Population units description :	Clear
2. Time dimension description :	Clear
3. Geographical scope description :	Clear
4. Statistical variables description :	Clear
5. Communication of changes :	No changes
6. Data checks by the supplier :	Description unclear
7. Data modifications by the supplier :	Description missing







### Thank you for you attention!

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