



Microdata collections available at Eurostat. A focus on EU-SILC

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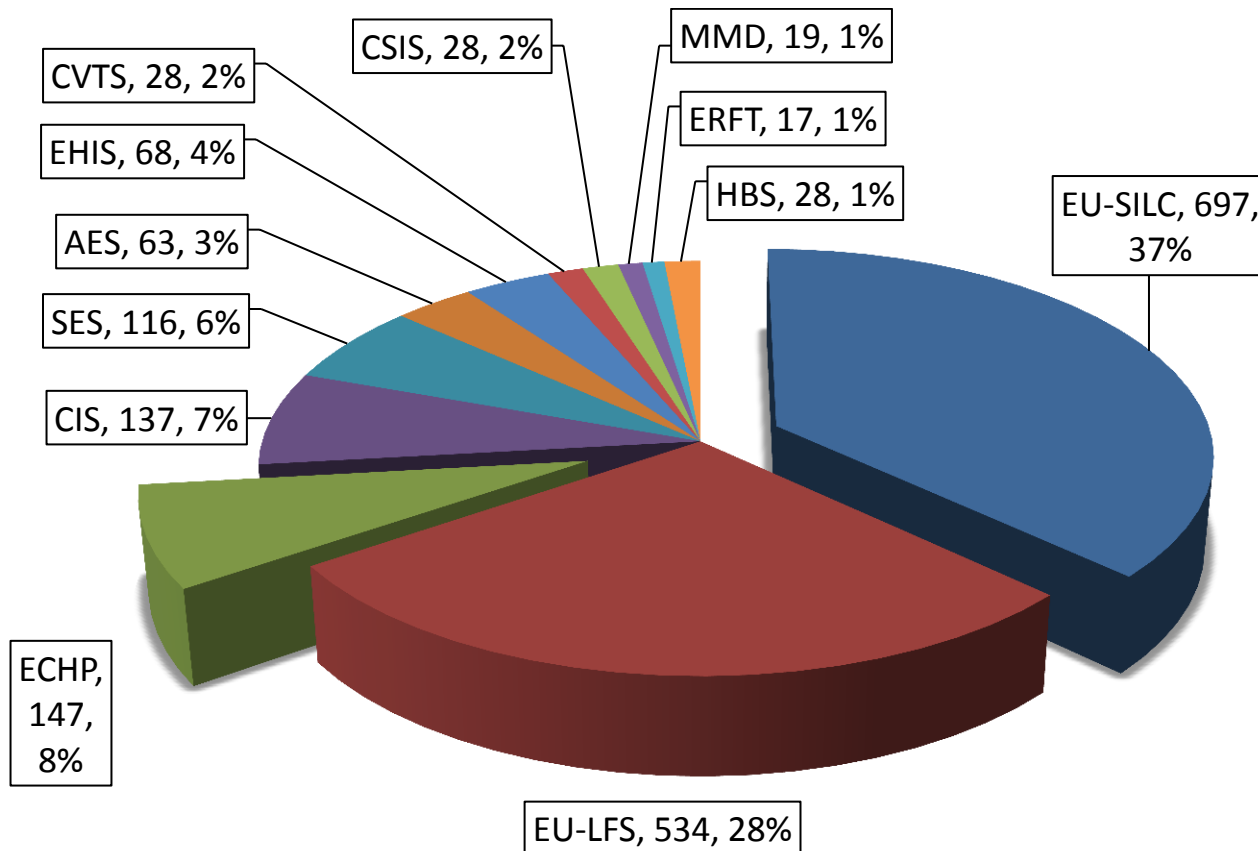
Outline

- 1. Microdata collections available*
- 2. Types of microdata*
- 3. Microdata access workflow – researcher perspective*
- 4. EU-SILC*

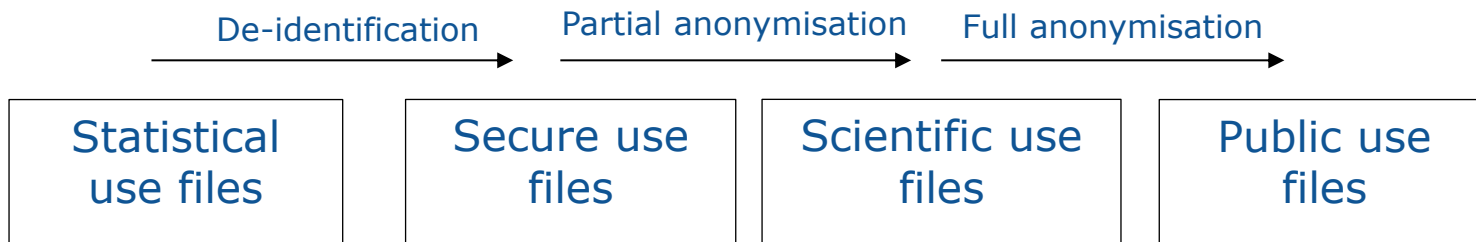
ESS microdata for scientific purposes

1. *European Community Household Panel*
2. *European Union Labour Force Survey*
3. *Community Innovation Survey*
4. ***European Union Statistics on Income and Living Conditions***
5. *Structure of Earnings Survey*
6. *Adult Education Survey*
7. *European Road Freight Transport Survey*
8. *European Health Interview Survey*
9. *Continuing Vocational Training Survey*
10. *Community Statistics on Information Society*
11. *Micro-Moments Dataset*
12. *Household Budget Survey 2010 (since September 2016)*

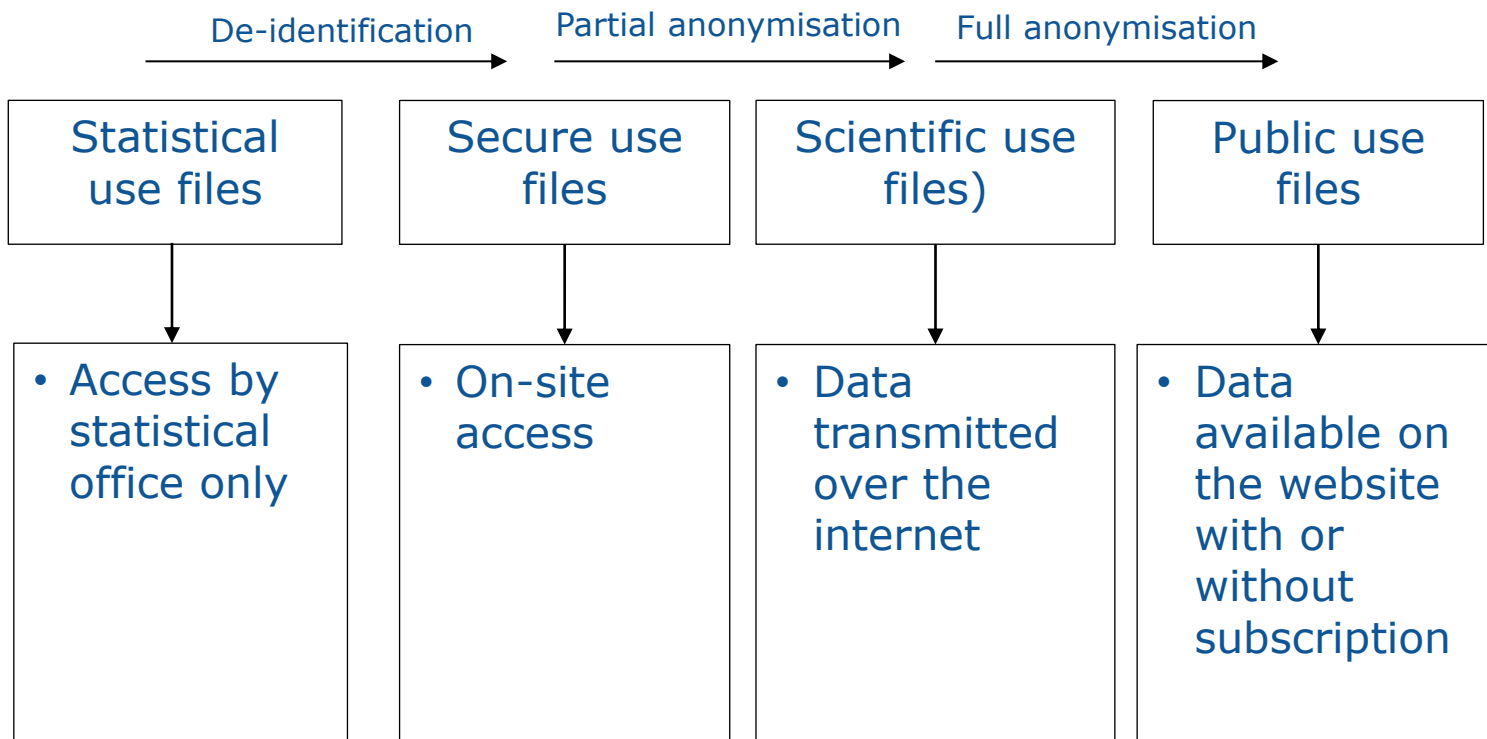
Use of microdata sets (2013-2017)



Data anonymisation



Anonymised datasets and modes of access



Types of microdata

	Secure use files (CIS, SES, MMD)	Scientific use files (all except MMD)	Public use files (EU-SILC, EU- LFS)
Criteria	Approved research proposal	Approved research proposal	—
Access	In Eurostat safe centre	At researchers' workplace	Public
Data sensitivity	Only direct identifiers removed – highly confidential	Partially anonymised data – confidential	Data fully anonymised
Identification of respondent	Possible	Possible but difficult	Impossible

3. Microdata access workflow – researcher perspective

Step 1
Institutional level
(1 month)

Recognition of
the research
entity
(institutional
eligibility)

Is the entity
doing
research?
(eligible to
ask for
access to
microdata?)

Step 2
Researchers
(2 months)

Research
proposals

Is the
request
for access
well
justified?

Eurostat

National statistical
authorities
(4 weeks)

Eligible research entities

- *Doing research*
- *Making their results public*
- *Independent*
- *Safe*

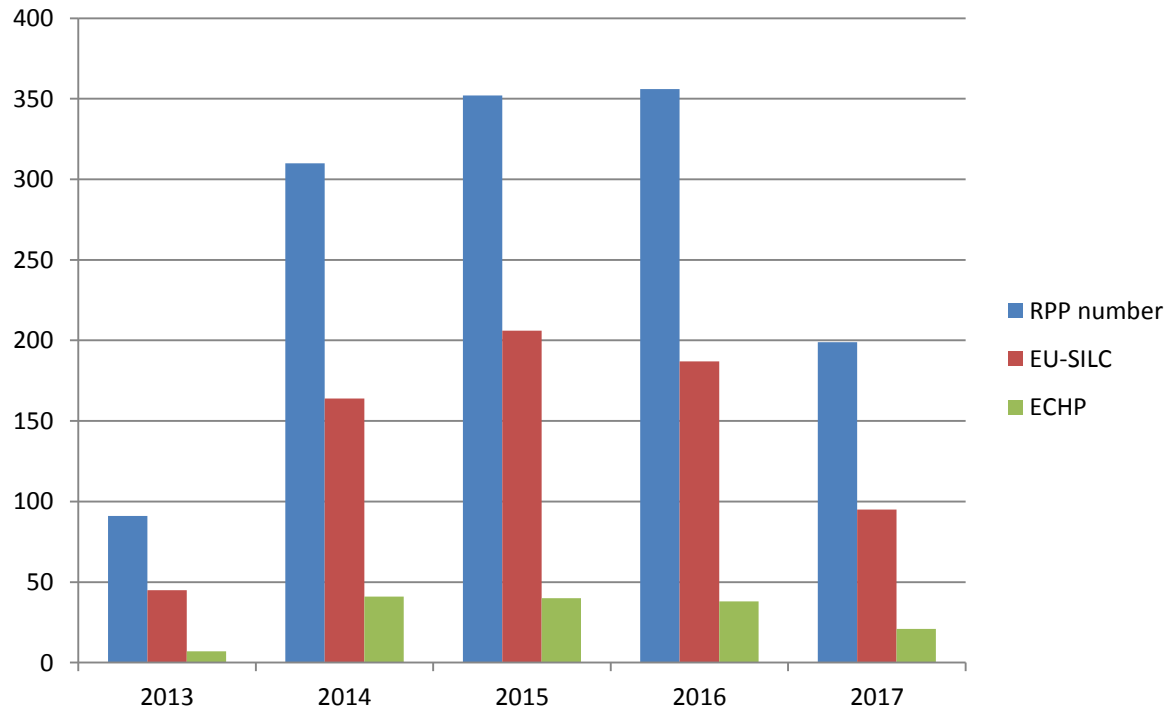
Eligible research proposals

- *Scientific purpose well described*
- *Need for microdata justified*
- *Research results made public*
- *Data security measures in place*

Assessment of research project proposal (RPP)

- *Eurostat:*
 - **Microdata access team: initial check**
 - **Technical units: is the microdata appropriate for the planned research**
- *MS: 4 weeks*

Research project proposals (RPP) received (2013-2017)



Main research subjects: EU-SILC

- *Economic studies*
- *Impact of crisis on households situation*
- *(income, ethnic, geographical) inequalities*
- *Labour market studies*
- *(in work) poverty*
- *Mobility in Europe*
- *Euromod / tax-benefits models*
- *Wages, incomes*
- *Well-being, housing*
- *Youth*

Public use files

- **Available for:**
 - *EU-SILC and EU-LFS data available for some countries*
 - <https://ec.europa.eu/eurostat/web/microdata/public-microdata>

What is EU-SILC

- The EU statistics on income and living conditions, abbreviated as EU-SILC, is the reference source for comparative statistics on income distribution and social inclusion in the European Union (EU)
- It is a sample survey conducted in 35 countries
- It has a cross sectional and a longitudinal component
- Every year more than 200000 households and 500000 persons are interviewed for EU-SILC

Scope of the SILC Instrument

- Annual data: cross-sectional and longitudinal (4 year trajectories)
- Information on both households and individuals (micro level)
 - Income and tax
 - Material deprivation
 - Housing conditions
 - Employment, Childcare
 - Health, Education
- Output harmonization
 - Definition of target concepts/variables to be measured
 - Standardized output (format and content)
 - Common guidelines monitored by Eurostat

Specific topics

- Topics covered in the annual modules
 - 2005 and 2011: Intergenerational transmission of poverty;**
 - 2006 and 2015: Social participation;**
 - 2007 and 2012: Housing conditions;**
 - 2008: Over-indebtedness and financial exclusion;**
 - 2009 and 2014 Material deprivation;**
 - 2010: Intra-household sharing of resources;**
 - 2013: Well-being;**
 - 2016: Access to services**
 - 2017: Health and children health**

- Variables included in the cross-sectional data

- EC-Regulation for each module

Organization of EU-SILC

- National flexibility in the implementation:
 - **Source:** survey and/or registers (DK, NL, SI, FI, SE, IS, NO)
 - **Fieldwork:** one-shot (\neq length) or continuous survey
 - **Income reference period:** fixed or moving 12-months (UK, IE)
 - **Imputation method for income variables**
 - **Survey design**

- Structure of the data files:
 - Linkable 4 files per country and year:**
 - **D-file** => Region, Deg_Urba, HH-weight, ...
 - **H-file** => Income, Material Deprivation, ...
 - **R-file** => Age, Gender, Childcare, Personal weights, ...
 - **P-file** => Income, Health, Labour, Education, ...

EU-SILC revision

- In the framework of the modernization of social statistics, EU-SILC is undergoing a revision process to make the instrument more in line with users' need
- Revision concerns:
 - **Content**
 - **Timeliness**
 - **Methodology**
 - **Longitudinal component**

Thank you for your attention!

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