

Session 30 - Satisfying User's Needs: Dissemination 03 June 2016

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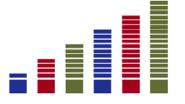
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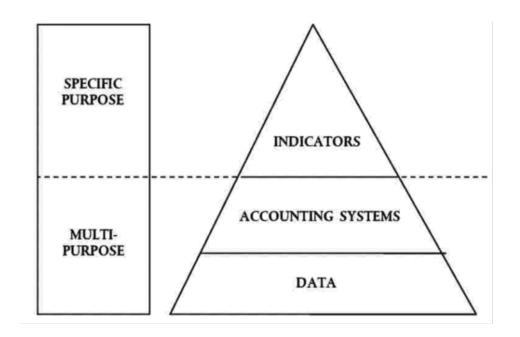
Indicators: special product of official statistics

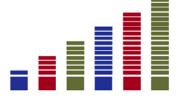
- Summary measure related to key issues or phenomenon and derived from a series of observed facts (Regulation (EU) No 99/2013)
- Tools for designing, implementing, monitoring policies (Lisbon memorandum)
- Derived from statistical data and accounting systems and created for a specific purpose





Statistical information infrastructure







Eurostat indicator initiatives



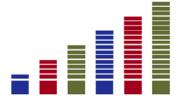










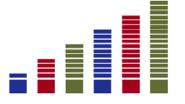


Need for appropriate documentation (metadata) on:

- Data sources
- Methodology
- Quality

Eurostat metadata:

- Euro-SDMX Metadata Structure (<u>ESMS</u>) for statistics in general
- ESMS Indicator Profiles (ESMS-IP) for indicators





Waste generation and treatment (env_wasgt)

Reference Metadata in Euro SDMX Metadata Structure (ESMS)
Compiling agency: Eurostat, the statistical office of the European Union

Eurostat metadata

Reference metadata

- 1. Contact
- 2. Metadata update
- 3. Statistical presentation
- 4. Unit of measure
- 5. Reference Period
- Institutional Mandate
- 7. Confidentiality
- 8. Release policy
- 9. Frequency of dissemination
- 10. Dissemination format
- 11. Accessibility of documentation
- 12. Quality management
- 13. Relevance
- 14. Accuracy
- 15. Timeliness and punctuality
- 16. Comparability
- 17. Coherence
- 18. Cost and Burden
- 19. Data revision
- 20. Statistical processing
- 21. Comment
- Related Metadata

Annexes (including footnotes)

ESMS

Generation of waste excluding major mineral wastes (tsdpc210)

Indicator Profile (ESMS)

Data tables: tsdpc210

Compiling agency: Statistical Office of the European Union (Eurostat)

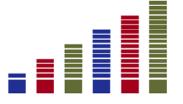
Eurostat metadata

Reference metadata

- 1. Contact
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- Annexes (including footnotes)

Eurostat Quality Profile				
14.1. Accuracy - overall	Medium			
16.1. Comparability - geographical	High			
16.2. Comparability - over time	High			
20.1. Source data	ESS			

ESMS-IP





Proposal for a shorter ESMS-IP

- 1. Contact
- Metadata update
- 3.1 Data description
- 4. Unit of measure
- 5. Reference Period
- 6. Institutional Mandate
- Confidentiality
- 8. Release policy
- 9. Frequency of dissemination
- 10. Dissemination format

- 11. Accessibility of documentation
- 12. Quality management
- 13. Relevance
- 14. Accuracy
- 15. Timeliness and punctuality
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- 18. Cost and Burden
- 19. Data revision
- 20.1 Source data
- 21. Comment
- Related Metadata

Annexes (including footnotes)





New ESMS-IP

- Shorter and lighter (3-5 pages)
- Focused on policy context
- Less burdensome to compile and maintain
- Coherent with ESMS
- No information loss

Generation of waste excluding major mineral wastes (tsdpc210)

Indicator Profile (ESMS)

Data tables: tsdpc210

Compiling agency: Statistical Office of the European Union (Eurostat)

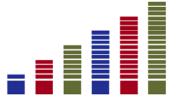
Eurostat metadata				
Reference metadata				
1. Contact				

- 2. Metadata update
- 3. Data description
- 4. Unit of measure
- 5. Dissemination format
- 6. Relevance
- 7. Accuracy
- 8. Comparability
- 9. Source data
- 10. Comment

Related Metadata

Annexes (including footnotes)

Eurostat Quality Profile				
7. Accuracy	Medium			
8.1. Comparability -	High			
geographical				
8.2. Comparability -	High			
over time				
9. Source data	ESS			





Open issues with current Quality Profile

- 1. Which quality dimensions?
 - Are accuracy, comparability over time and geographical comparability the most relevant ones for European statistics?
- 2. Assessment criteria: how to assess quality for each dimension?
 - Objective criteria
 - Consistent criteria across indicators
- 3. Grading system: how to present quality?
 - 2 (high/low) vs 3 (high/medium/low) grades
 - Overall grading vs separate grading of each quality dimension



Eurostat Quality Profile – rating criteria

	Rating				Comments	
Quality concepts	High	Medium	Low	Not applicable		
Comparability - over time	5 years or more without any breaks in time series, due to methodologic al reasons.	3<5 years without any breaks in time series, due to methodological reasons.	< 3 years without any breaks in time series, due to methodological reasons.	For instance for GDP in PPS	If less than 5 years of data available, then, to rate "High", all years/periods should be without any break in time series.	
Comparability - between countries (for the most recent period)	Data for all countries are comparable.	Data for all major countries are comparable.	Data for at least one major country is NOT comparable.		The list of major countries depends of the statistical domain	
Accuracy (for the last 5 years for major countries)	Corrections counter for < 1 % of the exact or true final value.	Corrections counter for 1 - 5% of the exact or true final value.	Corrections counter for >5% of the exact or true final value.		The list of major countries depends of the statistical domain.	
Data Source(s) ESS or Specify other sources (EEA, OECD,)						



Conclusions

- 1. Increasing use of statistical indicators in policy making \rightarrow transparent, clear, accurate and user-frendly information
- 2. Need for indicator-specific metadata structure
 - Concise
 - Context focused
- 3. Need to address issues of synthetic quality assessment
 - Quality dimensions
 - Assessment criteria
 - Grading system

