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Non-traditional data sources for statistics – introduction

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Agenda

Non-traditional data sources for statistics

1. Non-traditional data sources for statistics - Hakan Yazicioglu (Turkish Statistical Institute)
2. A new design for statistics on household consumption – Thomas Laitila (Statistics Sweden)
3. Discussion

(Break)

Quality assurance and assessment of non-traditional data sources

1. Assessment of non-official statistical sources for SDG reporting - Emily Glastonbury, ONS UK
2. Evaluation of non-official data for SDG reporting - Catherine Michaud, Statistics Canada
3. Discussion, wrap up and conclusions

Landscape

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- Many ongoing initiatives to produce statistics with ‘non-traditional’ data sources.
- Some major ‘groups’ of data that form the basis for the calculations: geospatial, AIS, mobile phone, scanner, electricity meters.
- Applied by different organizations, mainly international (in the context of the SDGs).
- No ‘plug and play’ methodology and databases to be used by countries – can global platform and regional hubs provide answer?
- Quality assurance projects are conducted in different countries.
- Citizen generated data gets more and more attention – however more work is needed in order to ensure wider application.

Perspective of a statistical institute

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- National statistical institutes are subject to various requirements regarding data production and quality.
- Different quality frameworks to be complied with: UN Fundamental Principles, European Statistics Code of Practice…
- Examples of requirements: professional independence; impartiality and objectivity; coherence and comparability.
- Discussions on input vs output harmonization.
- Citizen generated data and production of statistics: a possible way forward. However, more analysis and adjustment need to be conducted.
- Lots of noise…

Task team on big data for the SDGs

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Objectives

- To provide concrete examples of the use of Big Data for monitoring the indicators associated with the SDG.
- Conduct surveys, research and country pilots on the subject and produce a report on its findings.

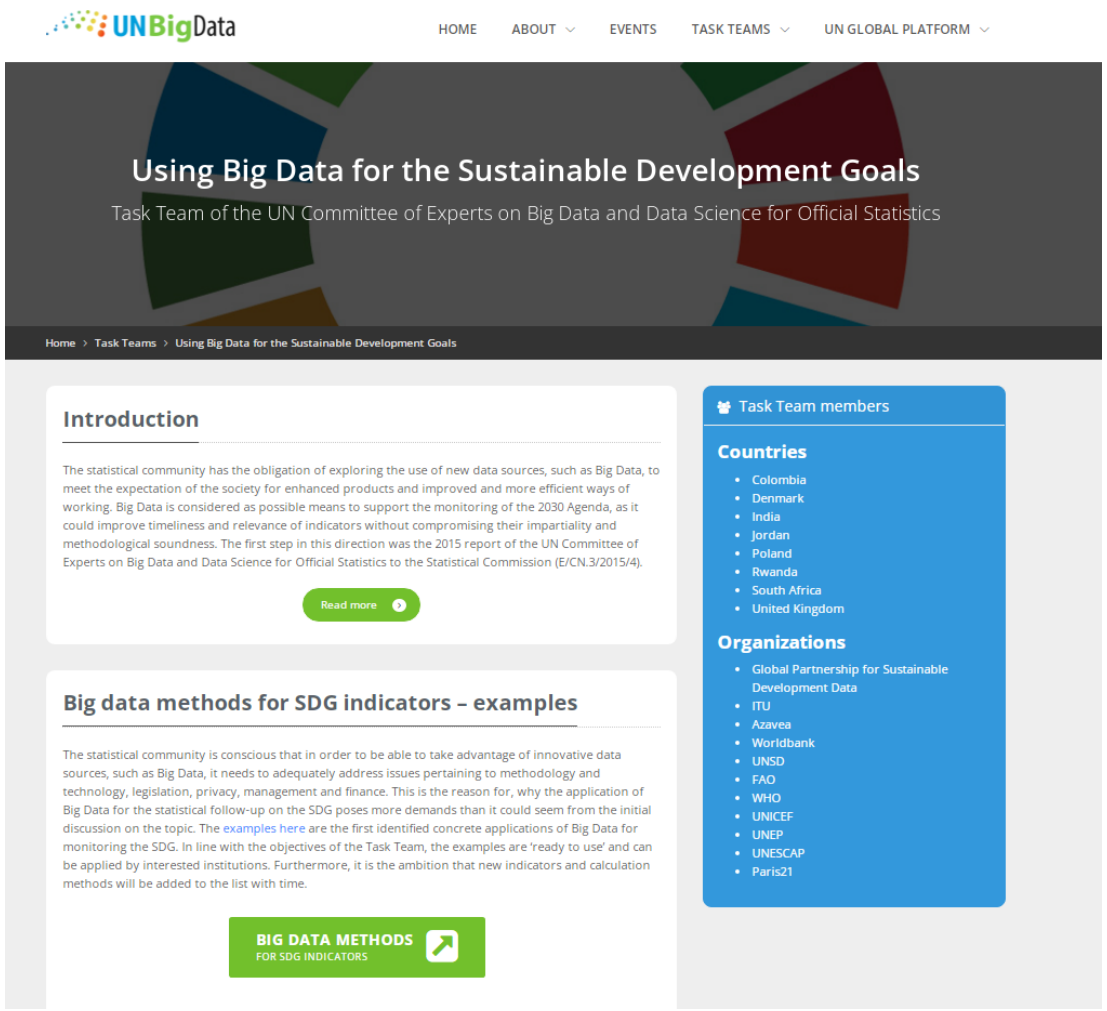
Findings

- Currently six indicators can be monitored by the use of non-traditional data: 6.6.1, 9.1.1, 9.c.1, 14.3.1, 17.8.1, 14.1.1 (b). However, the calculation method cannot be directly transferred to countries for all of the mentioned indicators.

Information on the findings and method

An easily accessible website

https://unstats.un.org/bigdata/task-teams/sdgs/index.cshtml



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Thank you