



UNECE Task Force on “*Data Integration for Measuring Migration*”

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Data integration for measuring migration:

At the Joint UNECE-Eurostat Work sesión on migration statistics in 2014, 10 countries presented / discussed about this topic

At this meeting it was recommended to promote further methodological work



CES Bureau established a Task Force in october 2015.

Members from UNECE, Eurostat, UK, USA, Canada, New Zealand, Switzerland, Austria, Italy, Spain (chair)

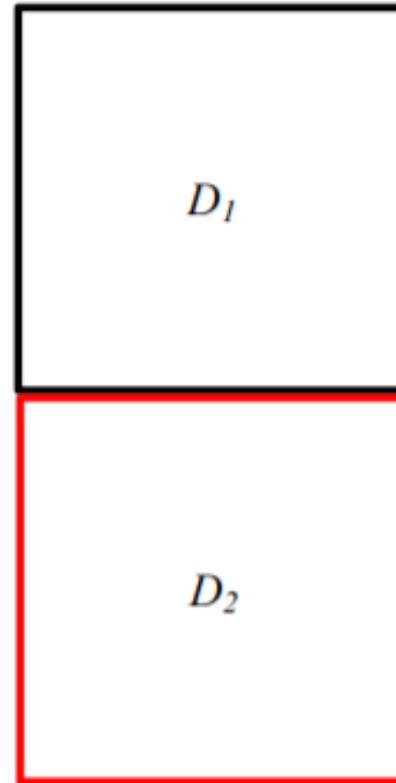
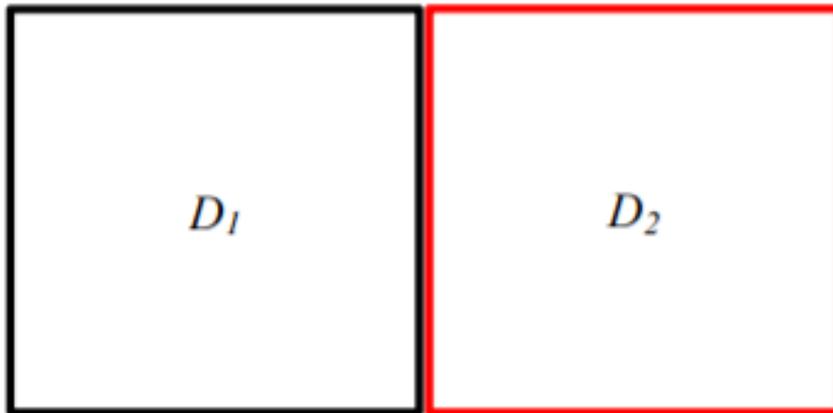
The concept: Data integration for measuring migration...

A general (open) definition:

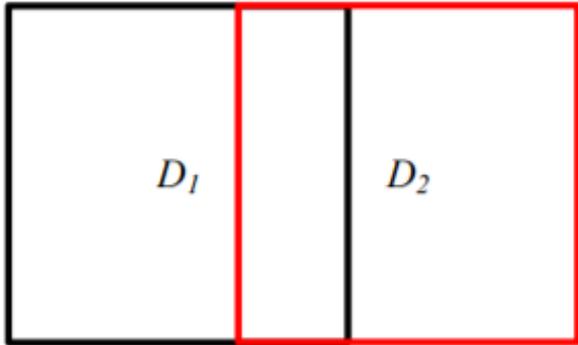
“A statistical activity on two or more datasets resulting in a single enlarged and/or higher quality dataset”

Case 2: same variables, different units

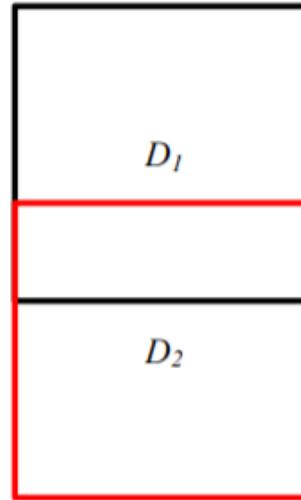
Case 1: same units, different variables



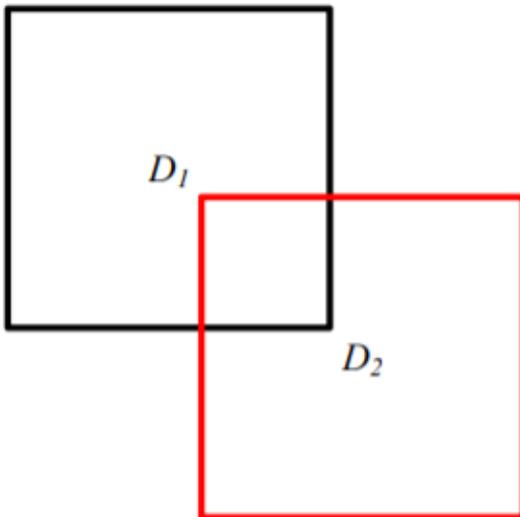
Case 3: same units, partially overlapping variables



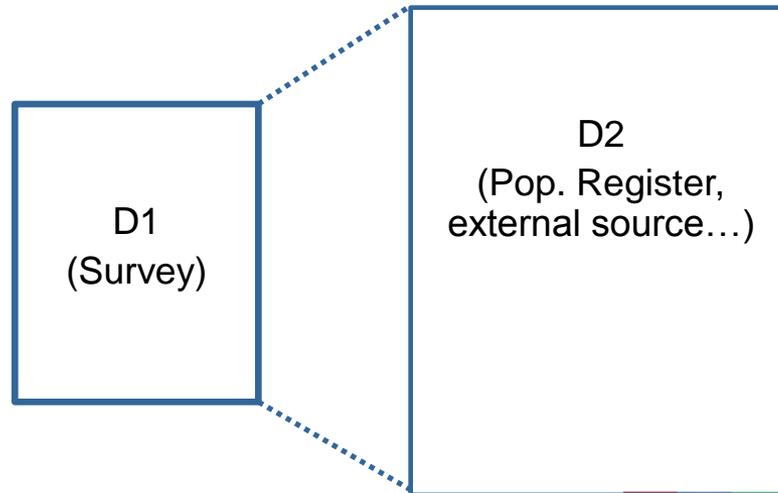
Case 4: same variables, partially overlapping units



Case 5: partially overlapping units and variables



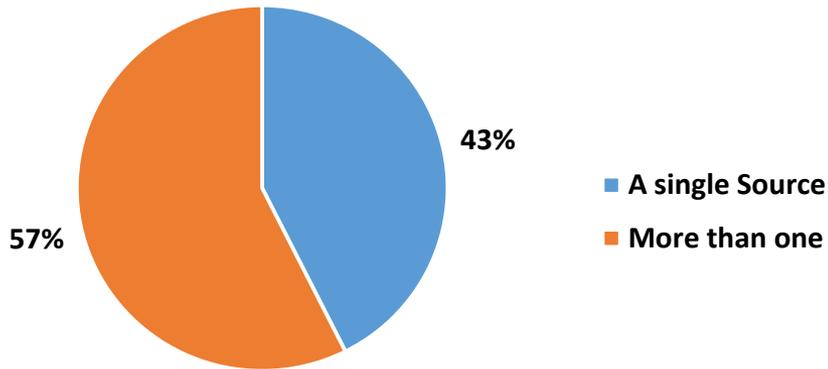
Other cases: calibration to external sources, mirror statistics



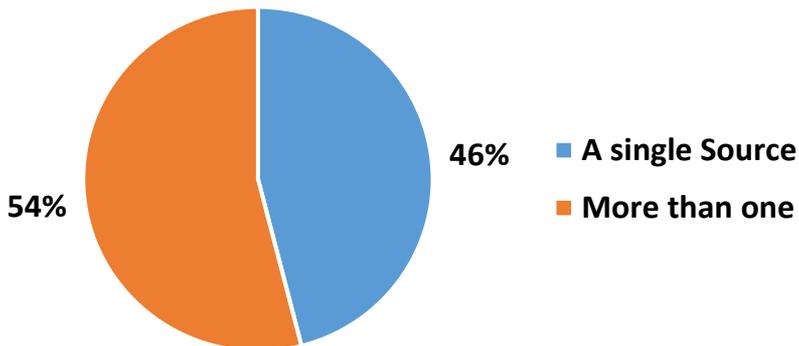
A questionnaire was sent to countries in september 2016. 56 Replies received from countries

Some results:

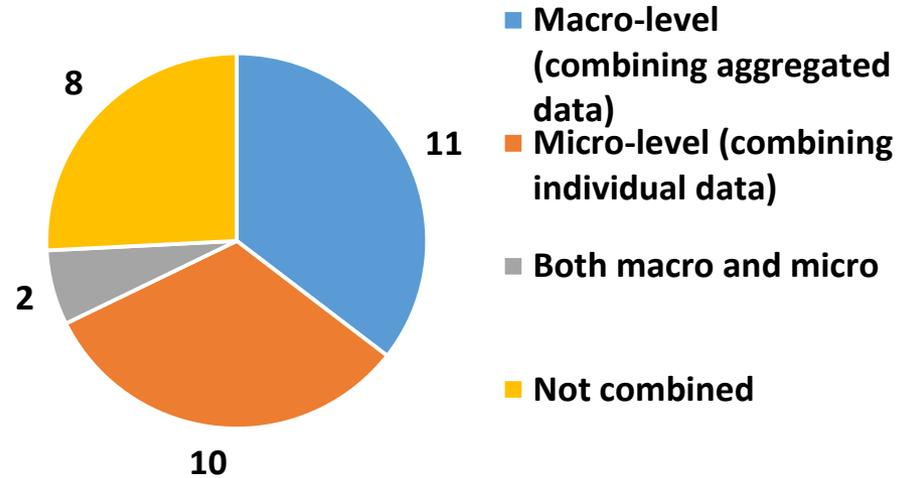
Data on international flows based on more than one source?



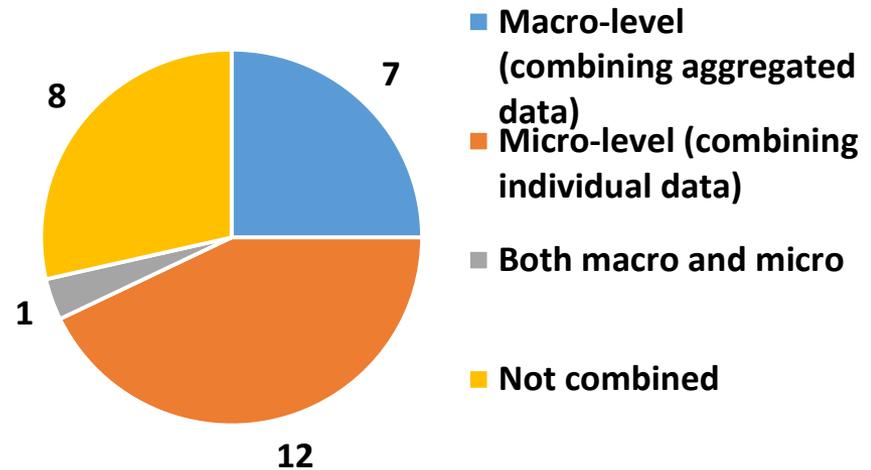
Data on foreign population or population born abroad (stocks)



How are these sources integrated?



How are these sources integrated?



From the replies to the questionnaire some cases were selected. Those countries were asked for a more detailed description.

The draft report contains 13 “case studies”:

Italy, New Zealand, Spain, Switzerland, UK, Canada, Israel, Netherlands, Hungary, Latvia, Austria, USA, Australia.

The reports follow the same structure. They answer these 4 questions:

- 1 Original/primary source for the measurement of migration statistics
- 2 Limitations of the original or main source. Why is integration necessary?
- 3 Methods used for data integration
- 4 Benefit of integration with statistics from other sources

Conclusions and recommendations....

- ✓ **No general solutions: many different situations**
- ✓ **Increase usage of admin data for migration statistics**
 - ✓ **Improve access to admin data for NSIs**
- ✓ **“Presence signals” used to measure emigration and stocks of foreign born population**
- ✓ **Promote international comparisons and exchange of migration data**
- ✓ **New sources : big data**
- ✓ **Integration of data and new perspectives: longitudinal information**

And a final recommendation for producers....

If you are thinking of integrating data for improving migration data...

Go on! You are not alone!

Thank You!



UNECE

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