Estimation of the Migratory Phenomenon using the Municipal Population Register

INE- SPAIN
Federico López Carrión

Chisinau Work Session
September 2014
✓ Historical Review
✓ Our Municipal Register (PADRON)
✓ Methodology of our Migration Statistics
✓ Prospective research lines
✓ Conclusion
Historical review

• Previous to 1996 PADRON administrated by Municipalities

• In 1996 under law, INE centralizes. We get:
  No duplicates and new registration means deregistration

• Since 2001 with Population Now-Cast:
  PADRON first used as source of Migration input

• Since 2011 published Migration Statistics:
  PADRON with statistical treatment
PADRON
The Municipal Register

• Mandatory inscription. If you don’t Municipality will

• Actually Registration is popular.

• Provides basic rights: Medic care, Schooling, etc.

• No legal side effects: Under privacy law protection

• Property of the Municipalities but …

• INE coordinates in a central database
PADRON
The Municipal Register

- Records registrations, deregistrations and modifications
- Part of these registrations and deregistrations are the source of the Migration Statistics.
- Individualized registers: Passport #, National ID, etc.
- PADRON allows matching with other sources
- With PADRON good detection for Immigration
PADRON
About of Emigration

• Detection of Emigration is weaker

• We detect Spaniards: Nationals Consulate registration

• We detect Foreigners: In the Spanish Municipality (lack)

• So Municipalities go in 2 ways:
  – Deregistration due to wrong inscription:
    Since 2009: Verify after 5 years for EU citizens

  – Deregistration due to expired inscription:
    Since 2006: renew after 2 years for non EU citizens
Emigration Distribution by deregistration class

EMIGRATION COMPOSITION. YEAR 2013

- BCR (Spaniards): 18%
- BCR (Foreigners): 11%
- DEI (Foreigners): 24%
- DWI (Foreigners): 47%
DEI Migration Statistics:
0. Registered (PADRON)

Monthly external emigration flow of foreigners registered as Deregistrations by Expired Inscriptions
Migration Statistics: 1. Estimation of Emigration Date

Monthly external emigration flow of foreigners registered as Deregistrations by Expired Inscriptions

Graph showing the monthly external emigration flow from January 2003 to October 2013, with two lines: one for the registered flow (PADRON) and another for the estimation of migration date.
Migration Statistics:

2. Expansion based on reception rhythm

Monthly external emigration flow of foreigners registered as Deregistrations by Expired Inscriptions

- Registered flow, (PADRON)
- Estimation of EMIGRATION DATE
- Expansion based on RECEPTION RITHM
Migration Statistics:

3. Adjustment to EU definition

Monthly external emigration flow of foreigners registered as
Deregistrations by Expired Inscriptions

- Registered flow, (PADRON)
- Estimation of EMIGRATION DATE
- Expansion based on RECEPTION RITHM
- Adjustment to EU DEFINITION
Prospective Research lines

• Shared objective: Improve Emigration estimation
• We help you with your emigrants (our immigrants)
• You help us with our emigrants (your immigrants)
• Exchange of registers at individual level
• Cause we suspect miss emigrants. For example:
  - Spaniards emigrating for job
  - Foreigners emigrating back to their countries
  - Sunseekers emigrating to die back to country
Example of our Migration Statistics

Spaniards emigrating by host country

- United Kingdom
- France
- Germany
- Switzerland
- Belgium
- Italy
- Netherlands
- Andorra

Young Spaniards

Spaniards emigrating aged 20-29 by host country

- United Kingdom
- France
- Germany
- Switzerland
- Ireland
- Netherlands
- Italy
- Belgium

Graph showing the number of Spaniards emigrating aged 20-29 to different host countries from 2008 to 2013.
Foreigners emigrating back

Foreign Migrations to and from Romania

- Emigration
- Immigration
- Net Migration

2008  2009  2010  2011  2012  2013
The richness of PADRON

Foreigners by birth country and age

- Romania
- United Kingdom
- Bulgaria
- Germany
- Italy
- Portugal
Conclusion

- We base our Migration Statistics on PADRON
- We apply estimation procedures
- Collaboration is essential for more accuracy
- Exchange Admin. Registers at individual level
Thank you for your attention!
Questions and Suggestions

federico.lopez.carrion@ine.es