



# **Circular migration: new migration topics and revised tables**

**UNECE-Eurostat Work Session on  
Migration Statistics  
Item 2.4**

**Giampaolo Lanzieri**

# Background

- *Official statistical definition of circular migration endorsed by CES in **October 2016***
  - **Invitation to identify recommended tables**
- *First set of tables proposed in **October 2017** to the Eurostat WG on Population Statistics and to the UNECE Work Session on Migration Statistics*
  - **Call for volunteering countries for testing the tables**
- *Outcomes of the test presented at the Eurostat WG on Population Statistics in **April 2018***
  - **Fine-tuning**

## Thanks to:

- *Patrick Lusyne (STATBEL)*
- *Claire Grobecker, Annelen Carow and Rabea Mundil-Schwarz (DESTATIS)*
- *Cinzia Castagnaro, Francesca Licari and Enrico Tucci (ISTAT)*
- *Timo Nikander (Statistics Finland)*
- *Margareta Carlsson and Tomas Johansson (Statistics Sweden)*
- *Kåre Vassenden (Statistics Norway)*

# New topics

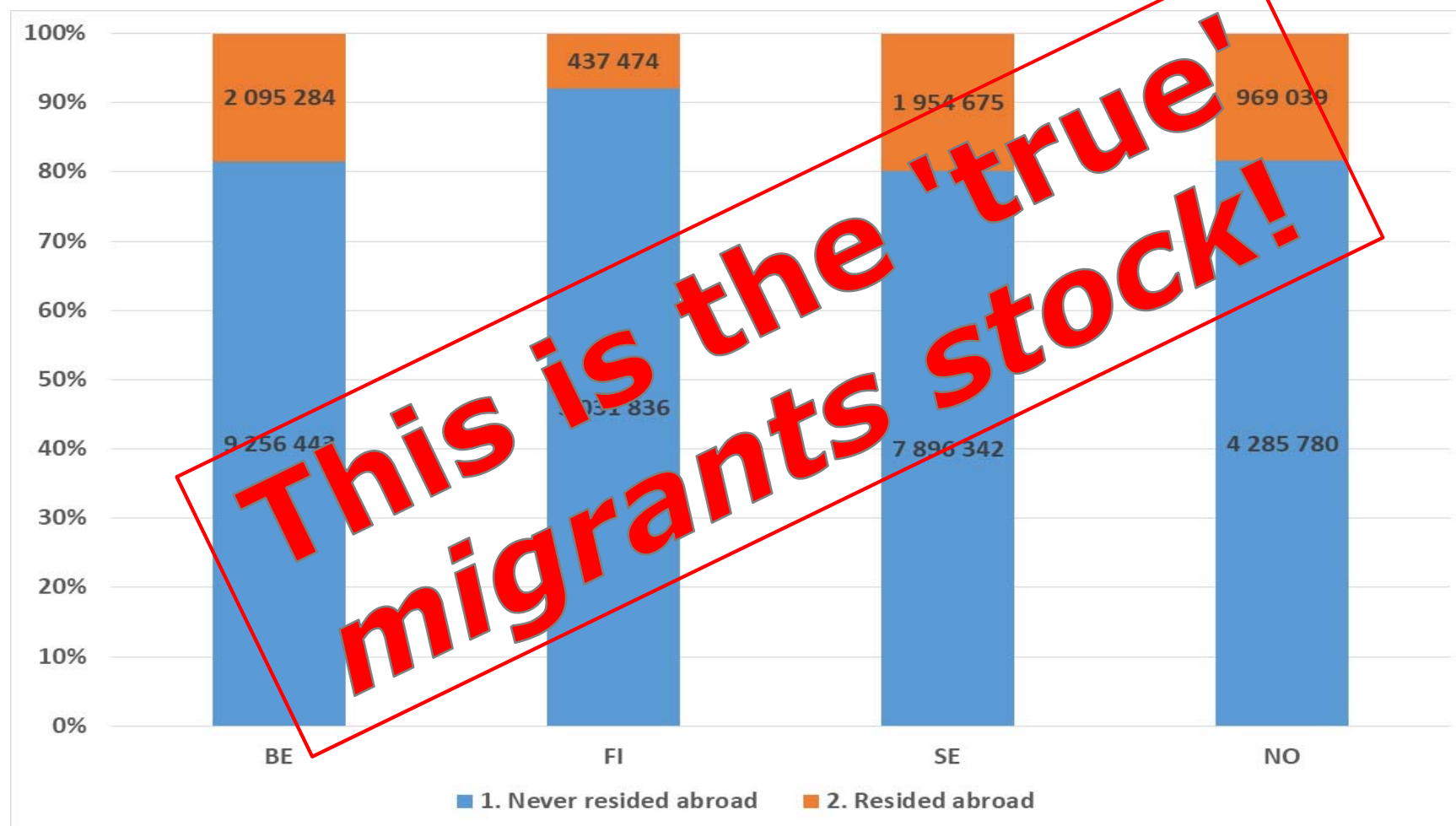
- *For the stocks:*
  - **(International) Migration status / ever resided abroad (MST)**
  - **Circularity status (CST)**
- *For the flows:*
  - **Migration circularity (MIC) / Immigration circularity (IMC) / Emigration circularity (EMC)**
- *Detail on terminology:*
  - **For stocks: "persons ever resided abroad"**
  - **For flows: "migrants"**

## Migration status (MST)

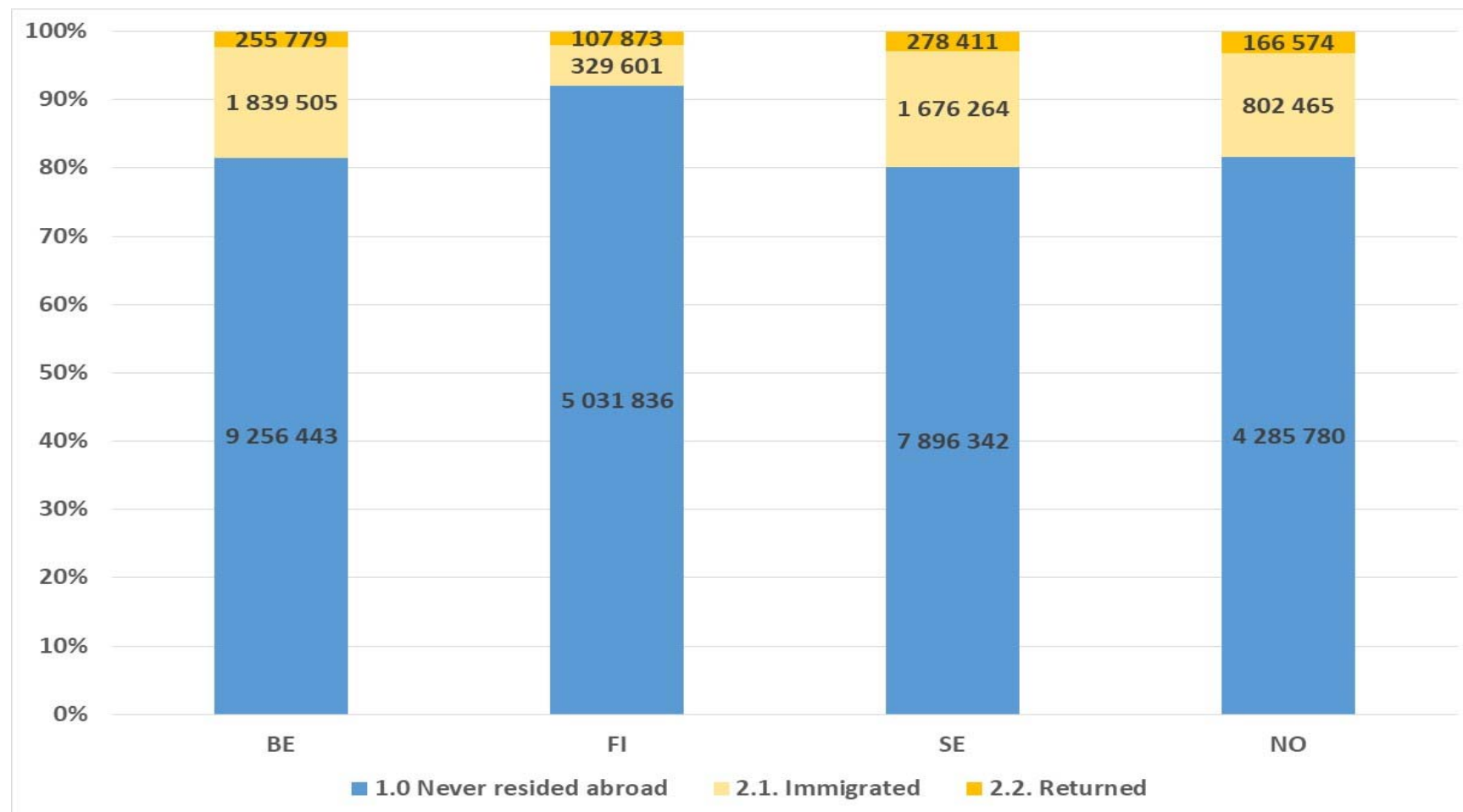
MST.L	MST.H
1. Never resided abroad	1.0. Never resided abroad
2. Resided abroad	
	2.1. Immigrated
	2.2. Returned

$$\text{MST.L} \times \text{COB.L} = \text{MST.H}$$

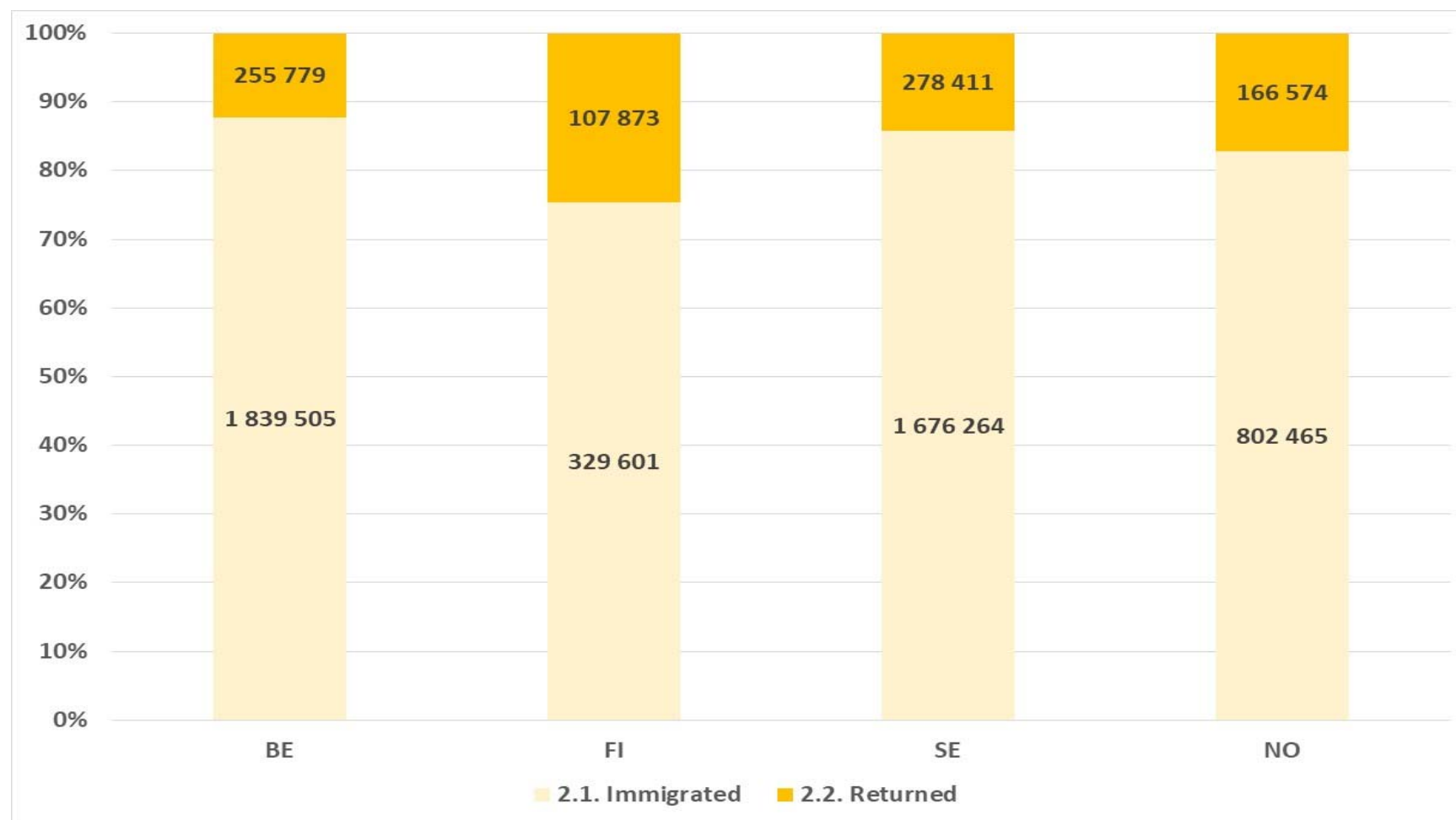
## Population by MST.L on 1.1.2017 (test)



# Population by MST.H on 1.1.2017 *(test)*



## Zoom on the 'migrants stock' *(test)*



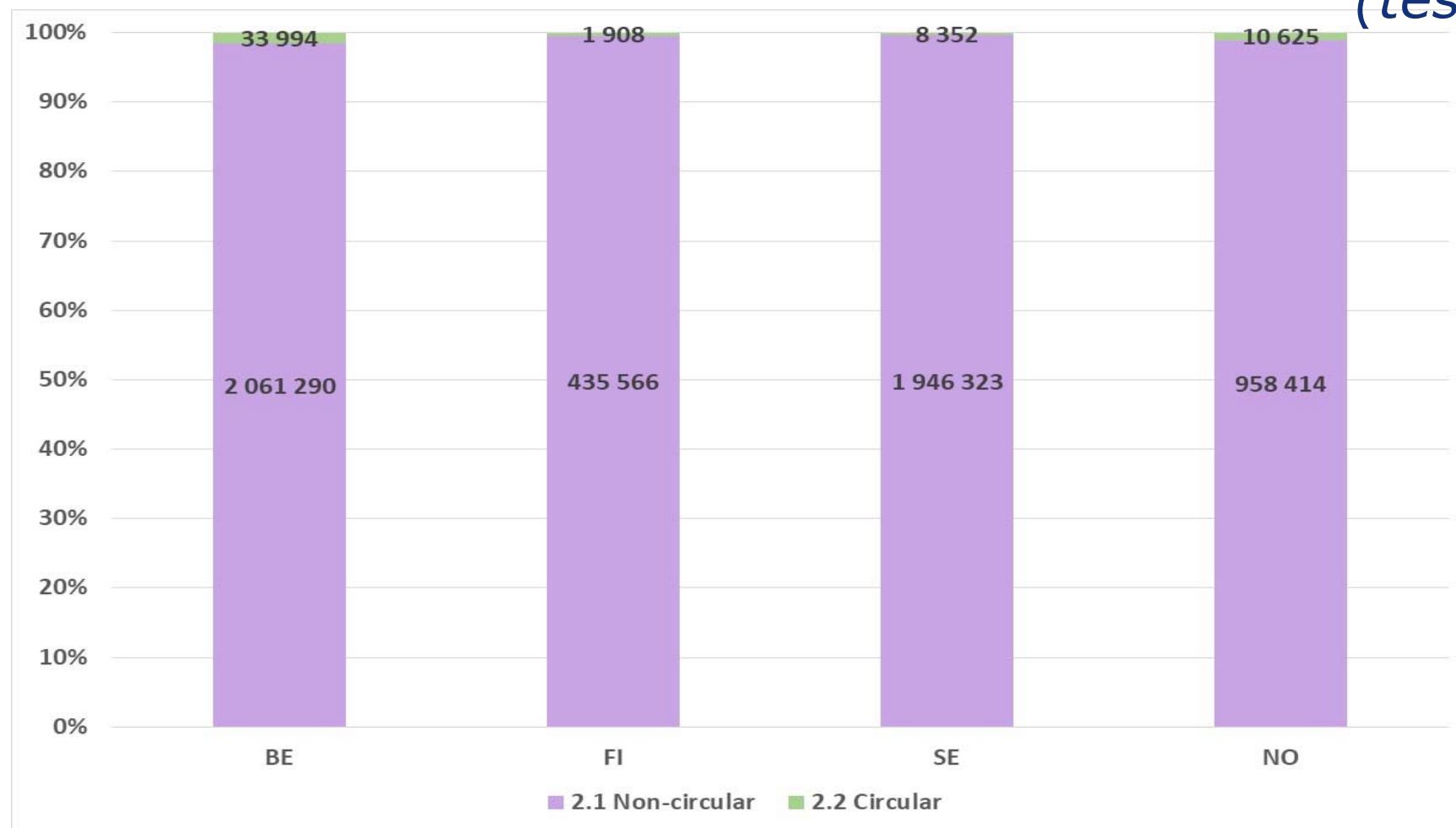


# Circularity status (CST)

CST.L	CST.H
1. Non-circular status	
	1.1. One immigration only, whenever it occurred
	1.2. Two or more immigrations, but only one in the last 10 years
2. Circular status	
	2.1. Two immigrations in the last 10 years (+ any number earlier)
	2.2. Three or more immigrations in the last 10 years (+ any number earlier)

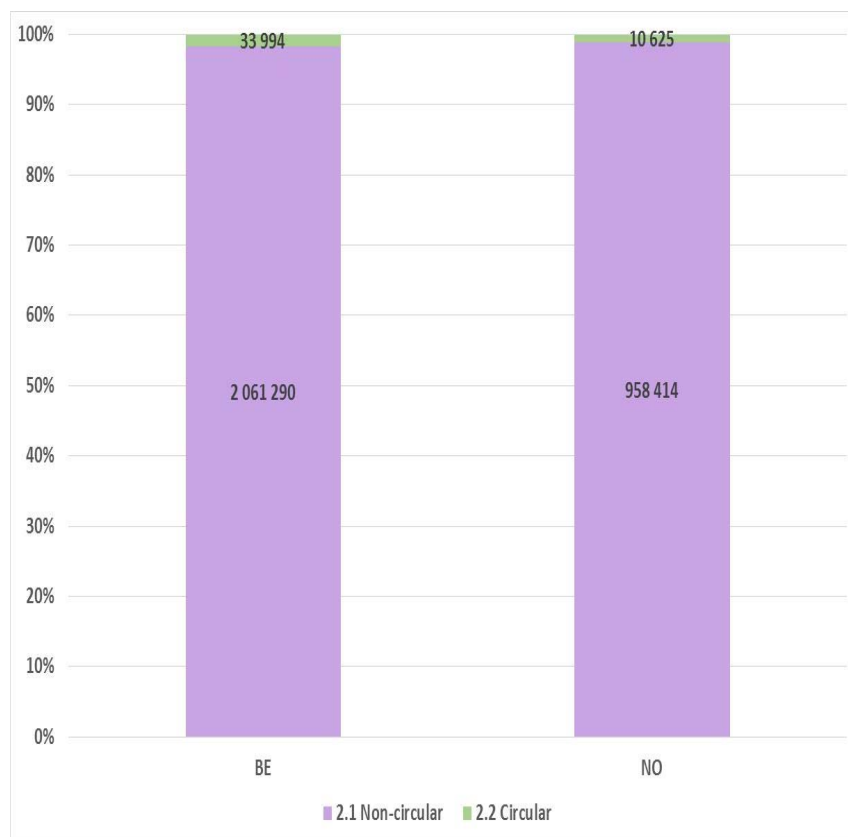
# Resided abroad by CST.L on 1.1.2017

(test)

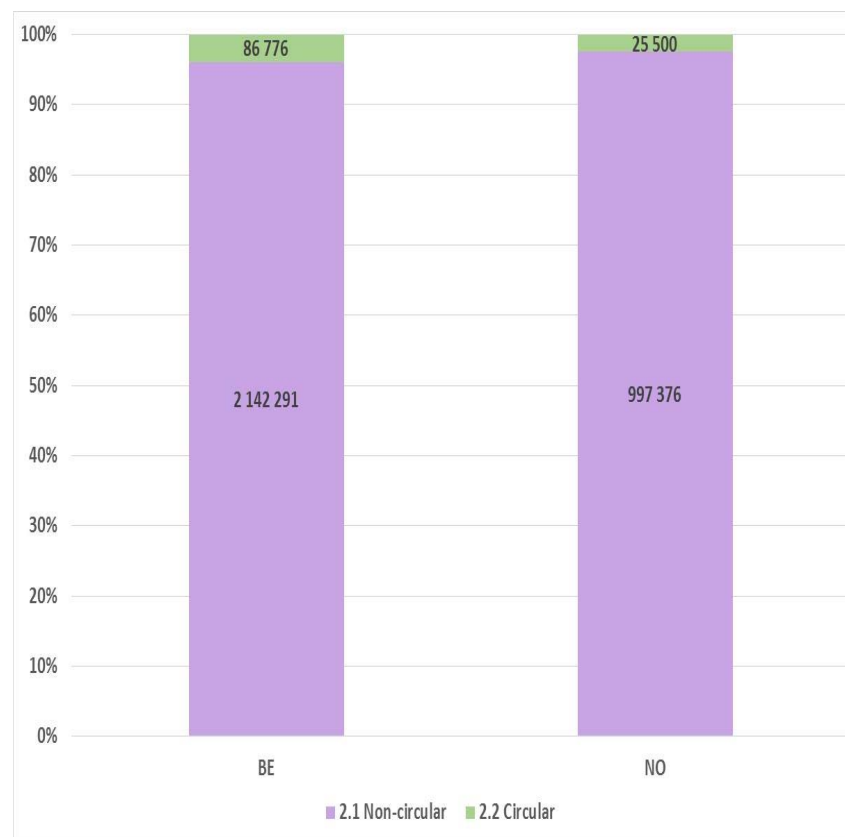


# Resided abroad with different lengths of stay on 1.1.2017 *(test)*

## *Stays $\geq 1$ year*

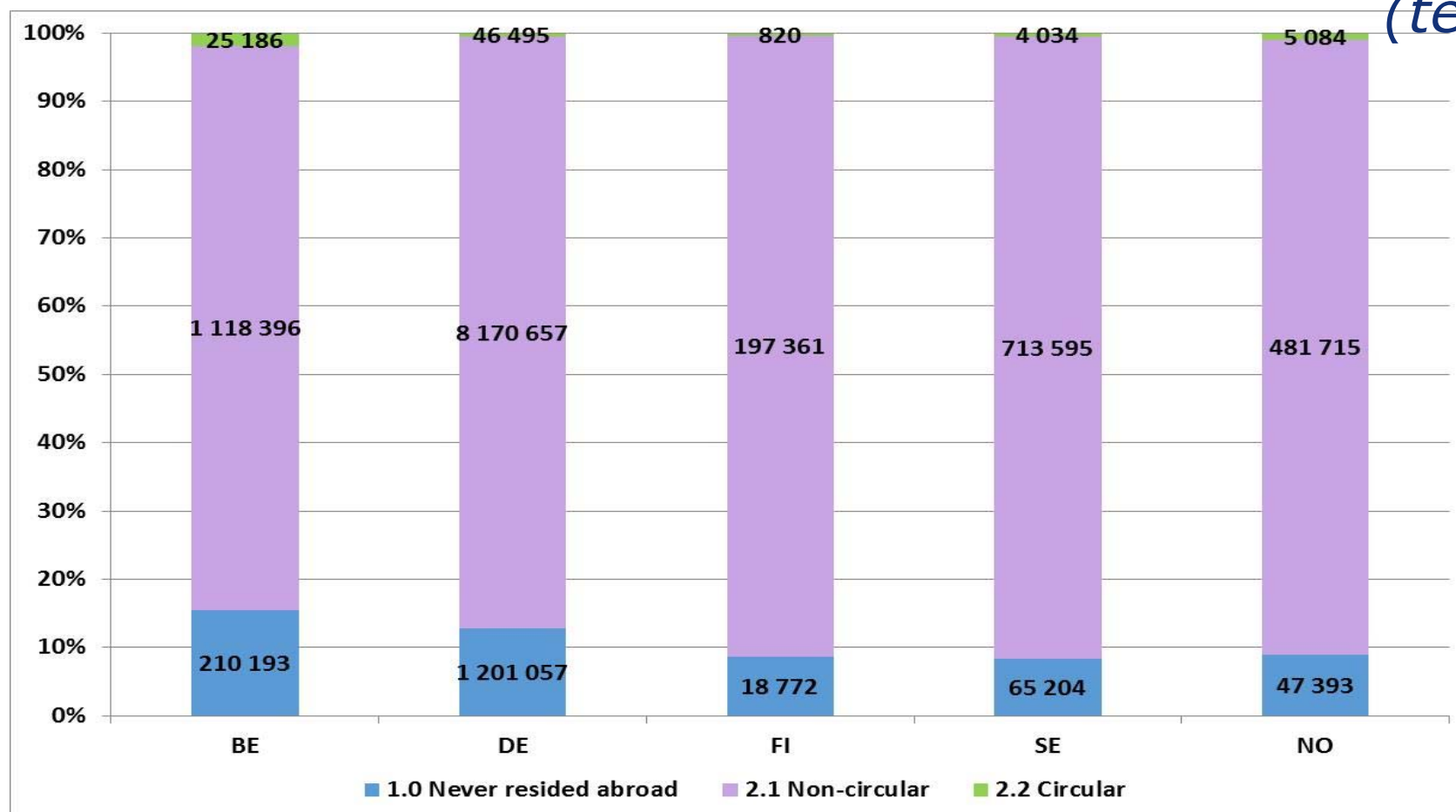


## *Stays $\geq 90$ days*



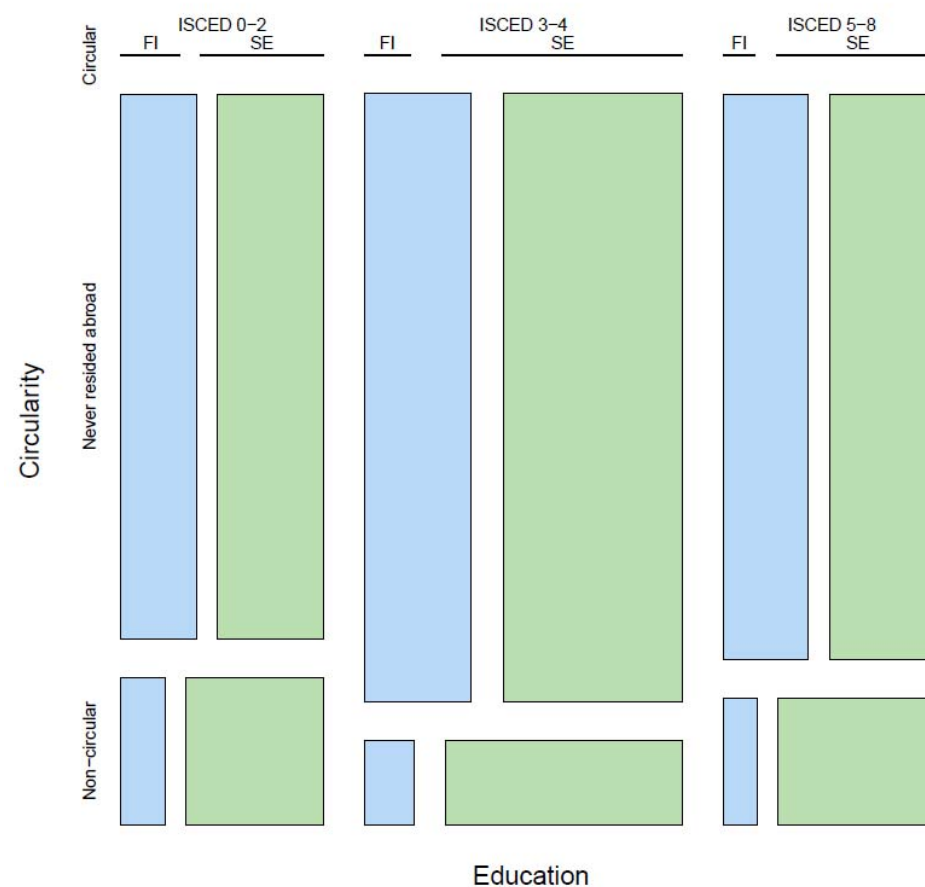
# Foreign citizens by CST.L on 1.1.2017

(test)



# Education and circularity

*(test)*



# Migration circularity (MIC)

MIC.L	MIC.H
1. Non-circular imm/emi	
	1.1. First imm/emi
	1.2. At least one previous imm/emi, but none in the last 10 years
2. Circular imm/emi	
	2.1. One previous imm/emi in the last 10 years (+ any number earlier)
	2.2. Two or more imm/emi in the last 10 years (+ any number earlier)

## Special issues

- *Demographic balance for circularity*
  - **No easy computation**
- *Age threshold*
  - **'circular migrant' children?**
- *Size of the stock and rolling time window*
  - **Low stocks of circular migrants does not imply low share of circularity in migration flows**

## New voluntary tables for POP

TABLE	TITLE	TOPICS
POP1	Population at the end of the year by age, sex, migration status and circularity status	GEO.L, AGE.L, SEX, MST.L, CST.L
POP2	Population at the end of the year by migration status, circularity status and country of birth	GEO.L, MST.L, CST.L, COB.M
POP3	Population at the end of the year by migration status, circularity status and citizenship	GEO.L, MST.L, CST.L, COC.M
POP4	Population at the end of the year by migration status, circularity status and educational attainment	GEO.L, MST.L, CST.L, EDU



## New voluntary tables for IMM

TABLE	TITLE	TOPICS
IMM1	Immigrations by age, sex and (im)migration circularity	GEO.L, AGE.L, SEX, IMC.L
IMM2	Immigrations by country of birth and (im)migration circularity	GEO.L, COB.M, , IMC.L
IMM3	Immigrations by citizenship and (im)migration circularity	GEO.L, COC.M, , IMC.L
IMM4	Immigrations by educational attainment and (im)migration circularity	GEO.L, EDU, , IMC.L

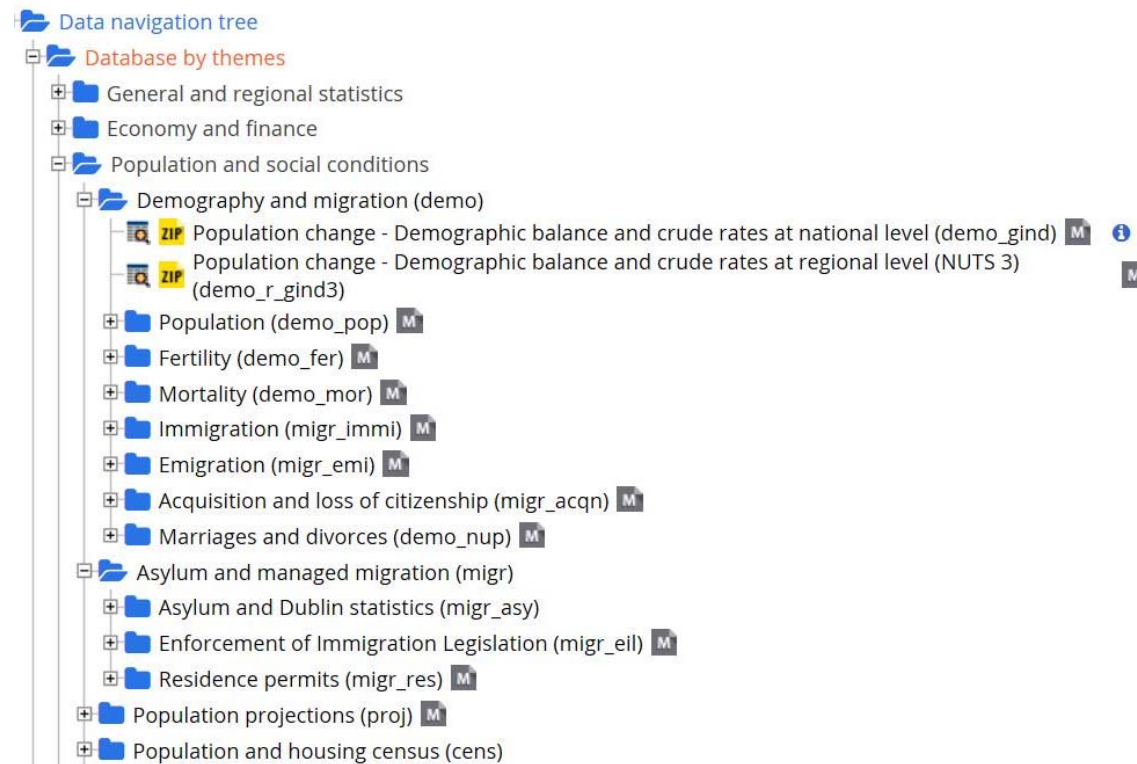
## New voluntary tables for EMI

TABLE	TITLE	TOPICS
EMI1	Emigrations by age, sex and (e)migration circularity	GEO.L, AGE.L, SEX, EMC.L
EMI2	Emigrations by country of birth and (e)migration circularity	GEO.L, COB.M, EMC.L
EMI3	Emigrations by citizenship and (e)migration circularity	GEO.L, COC.M, EMC.L
EMI4	Emigrations by educational attainment and (e)migration circularity	GEO.L, EDU, EMC.L

## Issues with register-based data

- *Capture of the 'declared' migration only – possibility of missing events*
- *Limited coverage in time of registers – usually an issue only for entire life migration history*
- *Registers built upon national definitions*

## DATABASE



**Thank you for the attention!**

*[giampaolo.lanzieri@ec.europa.eu](mailto:giampaolo.lanzieri@ec.europa.eu)*