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MIGRATE - MIGRation pATterns in Europe

Martina Aiello¹, Maria Antonia Brovelli², Marco Gianinetto¹, Candan Eylül Kilsedar², Marco Minghini^{2,*}, Mayra Alejandra Zurbarán Nucci³

¹ Department of Architecture, Built Environment and Construction Engineering, Politecnico di Milano, Italy

² Department of Civil and Environmental Engineering, Politecnico di Milano - Como Campus, Italy

³ Department of Systems Engineering, Universidad del Norte, Colombia

*Corresponding author | e-mail: marco.minghini@polimi.it



Recent trends in migration

Worldwide (UNHCR - Global trends 2015):

65.3 million forcibly displaced people, meaning 34.000 people everyday

21.3 million refugees, over half of whom are under the age of 18

10 million stateless people

POLITECNICO

MILANO 1863



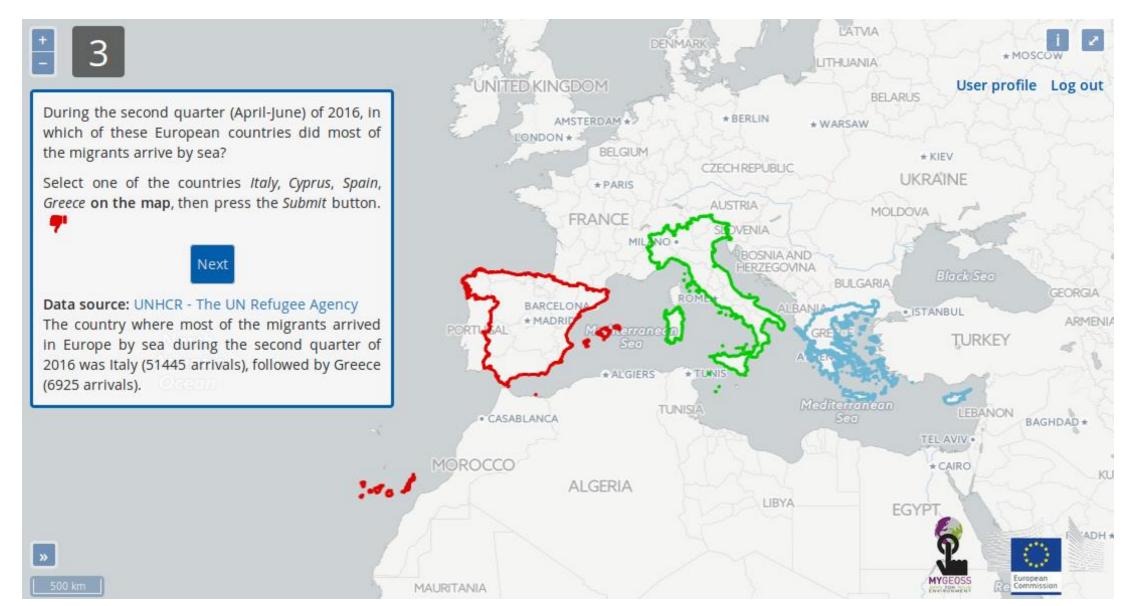


In 2015 1.015.078 people have crossed the Mediterranean Sea and 3771 people died in their attempt to reach Europe. In 2016 the number of arrivals by sea has reduced (333.940); however, still 3949 dead or missing people have been registered (source: UNHCR).

other country in the world (source: UNHCR).

Web Mapping application

- ✓ developed with a gamification approach (trivia game)
- based on open data & free and open source software



Purposes

- ✓ educate & raise awareness about migration in Europe
- ✓ derive insights on people's perception of migration

The open data used

OpenStreetMap (OSM)

http://www.openstreetmap.org

license: ODbL



United Nations High Commissioner for Refugees (UNHCR)

http://www.unhcr.org

licenses: CC BY, CC BY-IGO, CC BY-SA, ODbL, ODC-BY, PDDL, CCO



International Organization for Migration (IOM)

https://www.iom.int

licenses: CC BY, CC BY-IGO, CC BY-SA, ODbL, ODC-BY, PDDL, CCO



Eurostat

http://ec.europa.eu/eurostat

license: customized open

license policy

eurostat 🗀

The game

type here...

The largest single cost of Europe's immigration policy is due to the bureaucracy, especially for the deportation procedures. Can you guess which is the annual cost of deportations in Europe? Provide your answer in billion €. Your answer will be right if the deviation from the correct answer is less than 20%.

end of 2015?

About 60000

About 16200

How many applications (at any stage of the asylum procedure) were pending in Italy at the

y at the

text-based questions

multiple choice questions

During the second quarter (April-June) of 2016, in

Greece on the map, then press the Submit button.

Submit

O About 11600

The number of refugees who returned to their countries of origin was higher in 2015 than in

2014.

O TRUE

which of these European countries did most of the migrants arrive by sea?

Select one of the countries *Italy, Cyprus, Spain*,

map-based questions

FALSE

questions

IOM Missing Migrants project The Migrants' Fi

http://missingmigrants.iom.int

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CCO



The Migrants' Files
http://www.themigrantsfiles.com
license: ODbL

The Migrants' Files

- ✓ Playing MIGRATE requires a **free and anonymous registration**:
 - √ 30 seconds to answer each question
 - ✓ outcome (right/wrong), explanation and link to data source are provided for each question
 - the score takes into account question complexity, time taken to answer and number of games played

The technical architecture



saves retrieves

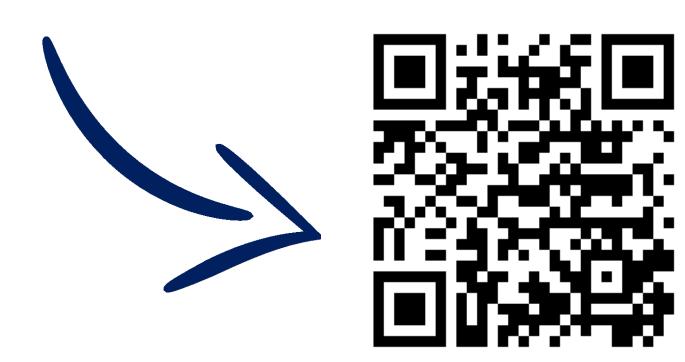
PostgreSQL

The source code is available at:

https://github.com/kilsedar/migrate

- ✓ EU Public License (EUPL)
- ✓ instructions for deployment available

PLAY WITH MIGRATE!



http://geomobile.como.polimi.it/migrate

First MIGRATE challenge from 2016/12/06 to 2017/01/05: the top 10 players will be awarded with Amazon vouchers!

ACKNOWLEDGEMENTS

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