



MYGEOSS Final Meeting | Brussels – December 6, 2016

MIGRATE - MIGRation pATterns in Europe

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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

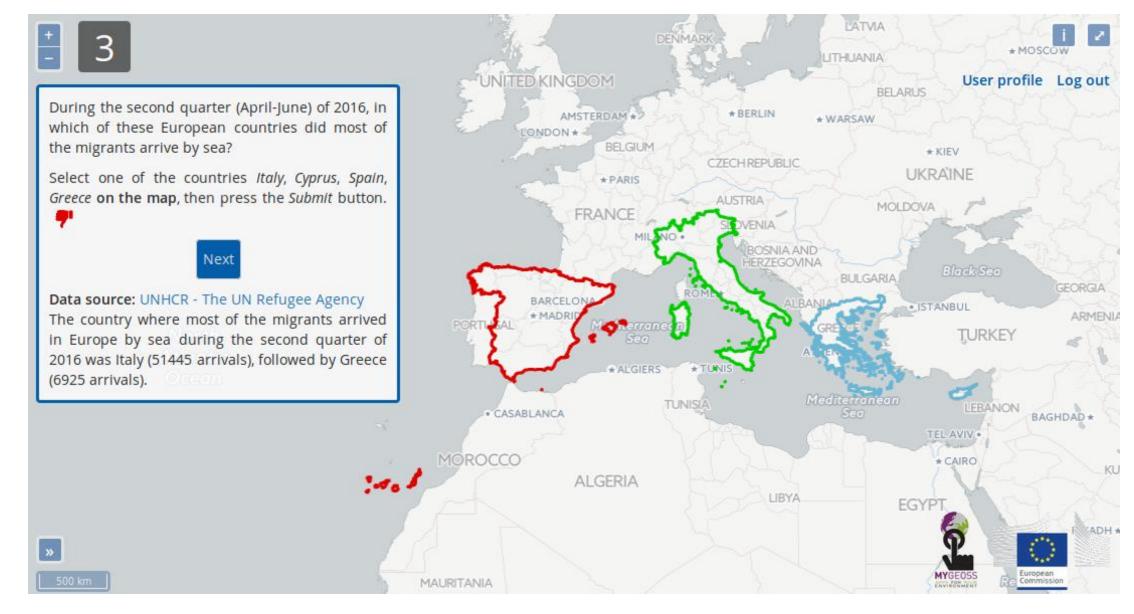


The war in Syria produced 4.9 million registered refugees by the end of 2015, more than from any other country in the world (source: UNHCR).

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).

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

Migration (IOM)

https://www.iom.int

licenses: CC BY, CC BY-

IGO, CC BY-SA, ODbL,

ODC-BY, PDDL, CCO



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



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%.

About 60000

text-based questions

How many applications (at any stage of the asylum procedure) were pending in Italy at the end of 2015?

2014.

○ TRUE

multiple choice questions

About 16200 About 11600 The number of refugees who returned to their true/false About 113999 countries of origin was higher in 2015 than in

questions

FALSE During the second quarter (April-June) of 2016, in which of these European countries did most of the migrants arrive by sea? Select one of the countries Italy, Cyprus, Spain, Greece on the map, then press the Submit button.

map-based questions

Submit

IOM Missing Migrants project

International Organization for

http://missingmigrants.iom.int

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IOM • OIM

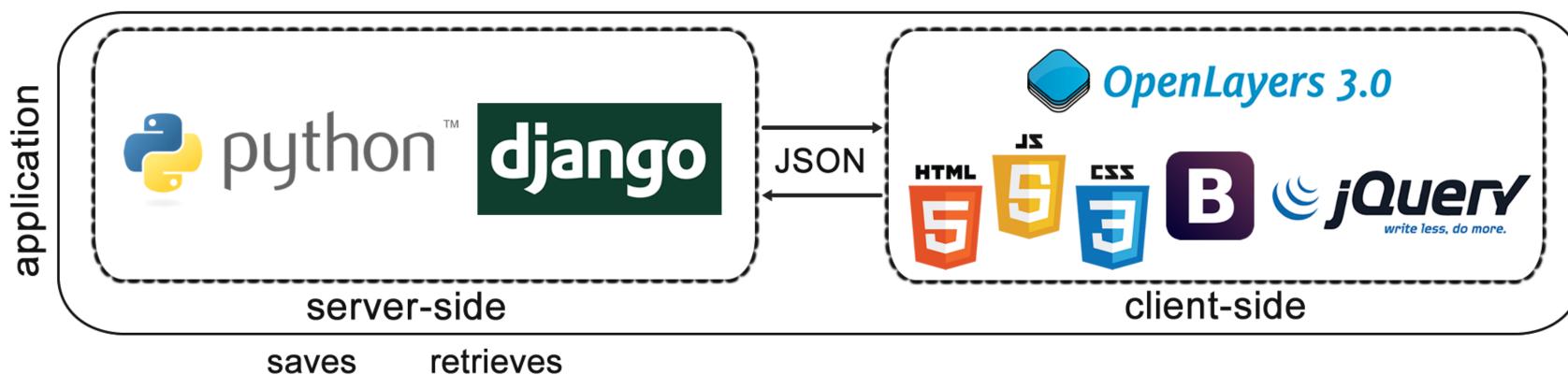
The Migrants' Files

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



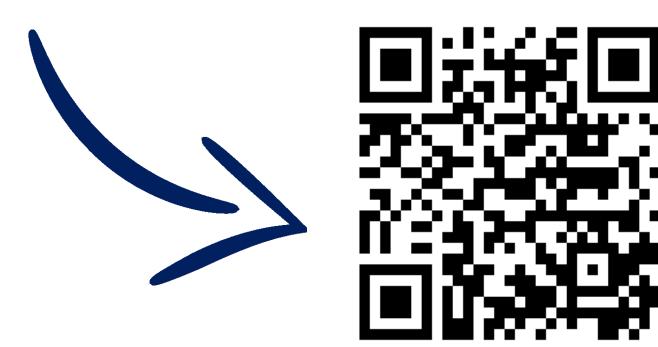
saves database

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

This application has been developed within the MYGEOSS project (Contract Number C393200.X0), which has received funding from the European Union's Horizon 2020 research and innovation programme. The JRC, or as the case may be the European Commission, shall not be held liable for any direct or indirect, incidental, consequential or other damages, including but not limited to the loss of data, loss of profits, or any other financial loss arising from the use of this application, or inability to use it, even if the JRC is notified of the possibility of such damages.