Rules of the D4I Challenge

The objective of the data challenge is to stimulate research on various aspects of the integration of migrants at local level. Through this initiative we make available data at high spatial resolution derived from the 2011 Census which shows the concentration of migrants in cities of 8 EU Member States. The high spatial resolution of the derived data allows to examine patterns of concentration of migrants' communities in specific neighborhoods and to perform comparisons across different origins, cities of different sizes and EU countries. We welcome in particular qualitative research combining this data with additional information and field work for specific cities and communities. The topics of research could include the relations between spatial concentration, urban diversity and spatial segregation and education, housing, access to public services, income and electoral outcomes.

This list of subject is not exhaustive and the participants are invited to propose any other aspect which connects the available dataset and their area of expertise. Preference will be given to research resulting in policy recommendations with EU relevance.

How it works
In order to apply, participants need to submit a short description of the scope, objectives and intended use of the derived data.
These descriptions will be published on the project website to facilitate possible interactions between teams.
Selected applicants will be given a password to download the derived data.
Participants are expected to submit a poster of their findings by the end of September 2018.
The authors of the best studies will be invited to present their results to EU policy makers and local authorities in a poster exhibition organized at the end of 2018 in Brussels.
These posters will be made publicly available on the project website.
After completion of the data challenge the participants will be allowed to retain the derived data for their own publications with the only requirement to give acknowledgment to this initiative.
Prior to receiving the derived data the participants will be asked to sign the Declaration accepting the Rules of the D4I challenge (the present form).

Timeline of the data challenge
– 30/10/2017, deadline for the submission of research proposals;
– 15/11/2017, deadline for the submission of the signed Rules of the D4I challenge form;
– 30/11/2017, the data is made available for download to selected participants;
– 30/09/2018, closing date for the submission of the findings of research;
– November 2018, workshop to present results to EU policy makers and local authorities;
– December 2018, publication of posters on the project website.

Who can apply
The initiative is open worldwide to any researcher affiliated to a research institution which is active in disciplines such as: migration, spatial demography, social geography, urban sociology, economics, and political science and has a proven record of publications within the scope of the data challenge.

Which data is included
The proposed derived data has been obtained through a spatial disaggregation of statistics of the 2011 Census, collected from National Statistical Institutes. The results of the spatial processing of the original data is a uniform grid showing the concentration of migrants in cells of 100 by 100 m in all cities of eight EU MS (Spain, Germany, Italy, Netherlands, Portugal, UK, Ireland). The migrants are grouped at three different level of aggregation: by specific country, continent, and EU versus Third country origin.

How is the data disseminated
The data sets are organized in separate files for each country and aggregation level by origins. These files include the number of persons by origin in each grid cell. Additional supporting files provide the necessary relational tables to relate grid cells to administrative units (local administrative units, functional urban area, NUTS 1, 2 and 3) and calculate aggregates or filter the data.
Already merged data for specific cities and NUTS3 areas will be available for download from a dedicated platform data visualization platform.

Terms and Conditions for the use of data
The original data underlying the dataset provided by the European Commission in the context of the D4I challenge (hereinafter the 'Challenge'), is sourced from National Statistical Institutes and is therefore subject to any distribution policy and/or terms of use established thereto by the concerned National Statistical Institutes.
Under the scope of the Challenge participants are granted the right to use only the derived data to calculate statistical indicators. The right to access the derived data is limited to the scope and duration of the Challenge. No right granted herein shall be construed as to allow participants to extract, redistribute, sell, sublicense, transfer or otherwise convey the original data sourced from the National Statistical Institutes to third-parties. Participants retain full ownership and right in any intellectual property generated within their output including the faculty to publish their output works as they deem fit. Participants grant to the European Commission the explicit and unambiguous license to reproduce, copy, print and publish on both printed and electronic media their preliminary output work submitted in response to the Challenge, including but not limited to the aggregation and publication of said output in a book of proceedings.

Disclaimer
The derived data provided does not include confidential figures. In addition to the thresholds applied by the National Statistical Institutes in their ad hoc extractions, all original data points presenting less than 5 persons for a given census tract and origin were filtered out.
The resulting grid level derived data presents estimated figures after spatial processing of the original Census statistics which do not correspond exactly the number of persons living in one specific place. For this same reason the cells often present number of persons below one and with decimals.
The statistical definition of migrants (by country of birth or nationality), the level of aggregation of the original census statistics and the confidentiality threshold applied by the National Statistical Institutes change from country to country therefore we invite the participants to read carefully the codebook before performing cross country comparisons.
The derived data is provided "as is" without warranty of any kind, either express or implied, including, but not limited to, any implied warranty against infringement of third parties' property rights, of merchantability, integration, satisfactory quality and fitness for a particular purpose. The entire risk as to the quality and use of the derived data is with the participants. The European Commission will not be liable for any incidental, consequential, direct or indirect damages including but not limited to the loss of data, lost profits, or any other financial loss arising from the use of, or inability to use the maps outside of the scope of the Challenge, even if the European Commission has been notified of the possibility of such loss, damages, claims or costs or for any claim by any third party.

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Contacts
Information and submission of proposals will be managed through the mail box jrc-d4i@ec.europa.eu.
Please feel free to contact us for any request of additional information.

Declaration
I, the undersigned …………………………………………………………… confirm that I have read, understood and agree with the D4I Challenge Rules as published on https://bluehub.jrc.ec.europa.eu/datachallenge/

Date …………………………………….

Signature