



## Meta-information on data sources on Syrian migration into Europe

Version 1.2, updated on 1 November 2019

Sarah Nurse, Jakob Bijak

**Summary:** This document supplements working paper WP1 “Data and Knowledge for Modelling Forced Migration”, available from <https://www.southampton.ac.uk/baps/inventory/data-sources.page>. Its main aim is to provide meta-information on selected data sources on recent Syrian migration into Europe, with the view of aiding computational modelling of migration processes. This supplement contains two parts. In the first part, summary information on the various data sources that can be used for modelling recent Syrian migration into Europe is offered, together with brief description and quality assessment following a common methodology described in the working paper. Additionally, in the second part, key supplementary general sources on migration processes, mechanisms, drivers, or features, are listed (numbered with a prefix S) for reference, with basic information on their most important aspects.

For all sources, the information provided includes a broad topic (e.g. populations, routes, or drivers), type of a particular source (registrations, survey, census, operational, review, journalistic, interviews), type of data (quantitative or qualitative, process or contextual, and macro-level or micro-level), as well as temporal and spatial detail. This is accompanied by a brief content description, some general notes, including those justifying the quality assessment, a link, and information on access.

In addition, in the first part, the assessment of sources is carried out across eight dimensions, wherever relevant: purpose of collection; timeliness of data; trustworthiness; detailed disaggregation; population under study and associated definitions; transparency of the source; its completeness; as well as sample design for surveys. Each of these dimensions, as well as a global summary score, is classified into one of three categories: **green**, **amber** and **red**, or possibly one of the two mixed ones (green-amber and amber-red). Specific descriptors for assessing data sources according all the individual criteria are listed in Table 1. It has to be stressed that the **classification and rating is done purely from the point of view of usefulness of the data for modelling**, rather than for their own stated purpose, so that for example data on border apprehensions, while of crucial importance for border enforcement purposes, cover only a selected subgroup of the population that would be modelled. By no means should the assessment be therefore interpreted as definitive, and valid for all different purposes for which the data may be used.

**Acknowledgements:** The work is an output of the project *Bayesian Agent-Based Population Studies: Transforming simulation models of human migration*, funded by the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant n° CoG-2016-725232), and carried out by University of Southampton, UK, and University of Rostock, Germany.

Criteria	Green	Amber	Red
<b>Purpose:</b> Is the purpose for collecting the data relevant to and appropriate for our use?	Yes: aim is to estimate and/or understand migration from Syria	May be different purpose but still relevant	No: data collection for different purpose, impacting usefulness
<b>Timeliness:</b> Are the data published at sufficiently frequent intervals?	Yes: repeated measures published regularly	May be repeated measures but with long gaps/publication delay	No: one-off collection or long delay in publication
<b>Trustworthiness:</b> Is the source free from obvious biases or stated political aims?	Yes: evidence of impartiality	Unclear or unstated	No: clear evidence of bias
<b>Disaggregation:</b> Is there sufficient geographic and country of origin detail?	Yes: country of origin and destination fully disaggregated	Partial disaggregation e.g. for some variables of interest	No: not possible to identify sufficient detail
<b>Target population and definitions:</b> Are they Syrian migrants from specified time period?	Yes	May be a dataset including Syrian migrants	May be dataset of migrants but incorrect time period or nationality
<b>Transparency:</b> Is there a clearly stated purpose, design and methodology?	Yes, thorough	Yes, partial	No
<b>Completeness:</b> <sup>(1)</sup> Is there evidence of rigorous processes to capture and report the entire population?	Yes: stated aim and explicit strategies to achieve this	May not be sufficiently addressed but without evidence of gaps	No: evidence of gaps in dataset
<b>Sample design:</b> <sup>(2)</sup> Is there an appropriate sampling strategy and attempt to achieve sufficient sample size and response rate?	Yes, thoroughly described	Yes, partial	No or unclear

<sup>(1)</sup> Criterion specific to population registers

<sup>(2)</sup> Criterion specific to survey data and qualitative sources

*Table 1. Descriptors for assessing the usefulness of different data sources for modelling the recent asylum-related migration from Syria to Europe*

## 1. Selected key sources of data on Syrian migration into Europe

<b>01</b>	<b>UNHCR operational portal</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Registration	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Daily	<b>Geography:</b> 5 countries
<b>Content description:</b> Total cumulative daily numbers of Syrian refugees and asylum seekers registered in Egypt, Iraq, Jordan, Lebanon and Turkey, including breakdown by age group/sex and camp/non-camp.					
<b>Notes:</b> Administrative data supporting relief efforts, comprising daily numbers published approximately quarterly, specifically on the Syrian refugees. Limits/caps on registration may under-represent numbers.					
<b>Link:</b> <a href="https://data2.unhcr.org/en/situations/syria">https://data2.unhcr.org/en/situations/syria</a>					
<b>Access information:</b> Data series and distributions publicly available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>02</b>	<b>UNHCR population stocks</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Registration	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Annual	<b>Geography:</b> All countries
<b>Content description:</b> Total annual stocks of the UNHCR populations of concern, including refugees, asylum seekers and internally displaced persons, for all countries of origin and destination					
<b>Notes:</b> A by-product of the administrative registration process, with very wide coverage, but small temporal granularity, published with a delay of over a year. Possible undercount: as above.					
<b>Link:</b> <a href="http://popstats.unhcr.org/en/persons_of_concern">http://popstats.unhcr.org/en/persons_of_concern</a>					
<b>Access information:</b> Data publicly available for download from an interactive database					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>03</b>	<b>UNHCR sea &amp; land arrivals</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Registration	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Annual	<b>Geography:</b> 5 countries
<b>Content description:</b> Aggregate registration data on sea and land arrivals since 2015 by main European country of arrival in the Mediterranean basin (Greece, Italy, Spain, Cyprus, Malta)					
<b>Notes:</b> Monthly data on registered arrivals, published a few months after the reference date. Possible undercount: as above.					
<b>Link:</b> <a href="https://data2.unhcr.org/en/situations/mediterranean#">https://data2.unhcr.org/en/situations/mediterranean#</a>					
<b>Access information:</b> Data publicly available for download from an interactive database					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>04</b>	<b>UNHCR Syrian arrivals</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Jan-Mar 2016	<b>Geography:</b> Greece
<b>Content description:</b> Socio-demographic characteristics of Syrian migrants, with information on region of origin, route, resources, reason for decisions, access to information and support received.					
<b>Notes:</b> Three one-off surveys in Greece, aiming to provide better information on refugees, with sufficient detail for key variables and with methodology (interval sampling) explicitly described.					
<b>Link:</b> <a href="https://data2.unhcr.org/en/documents/download/47014">https://data2.unhcr.org/en/documents/download/47014</a> and <a href="https://data2.unhcr.org/en/documents/details/47162">.../en/documents/details/47162</a>					
<b>Access information:</b> Survey publications and summary results available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design		

<b>05</b>	<b>UNHCR Longing to go Home</b>			<b>Topic:</b> Destination population; Routes and journey	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 2017	<b>Geography:</b> Lebanon
<b>Content description:</b> A one-off survey containing a range of information on intentions of refugees in camps in Lebanon, including intentions for moving to third country destinations.					
<b>Notes:</b> A one-off survey, aiming to measure intentions, based on a limited sample, the details of which have not been presented in the report. Results include basic description and fragments of interviews.					
<b>Link:</b> <a href="https://data2.unhcr.org/en/documents/details/63310">https://data2.unhcr.org/en/documents/details/63310</a>					
<b>Access information:</b> Survey publication and summary results available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness	Sample design		

<b>06</b>	<b>EASO asylum trends</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Registration	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Daily*/Monthly	<b>Geography:</b> Whole EU+
<b>Content description:</b> Applications, decisions and pending cases for EU+ countries, total and broken down by citizenship. Figures not yet validated, so may differ from the official Eurostat statistics.					
<b>Notes:</b> Administrative data, published with two months' delay. Not validated. Aggregate statistics for EU+ only, with national-level data by receiving country not published for legal reasons.					
<b>Link:</b> <a href="https://www.easo.europa.eu/latest-asylum-trends">https://www.easo.europa.eu/latest-asylum-trends</a>					
<b>Access information:</b> Monthly data publicly available, *daily data available for internal EASO purposes					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>07</b>	<b>Eurostat asylum data</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Registration	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Monthly	<b>Geography:</b> EU+ countries
<b>Content description:</b> A range of data on many relevant topics: applications, decisions, pending cases, Dublin statistics, and enforcement including number refused entry by border type and nationality.					
<b>Notes:</b> Administrative official statistics on various aspects of asylum and enforcement, with monthly granularity, published regularly. Data subject to quality control before publication.					
<b>Link:</b> <a href="https://ec.europa.eu/eurostat/data/database">https://ec.europa.eu/eurostat/data/database</a> > ... > Asylum and managed migration (migr)					
<b>Access information:</b> Data publicly available for download from a well-organised interactive database					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>08</b>	<b>Eurostat country data</b>			<b>Topic:</b> Contextual data	
<b>Source type:</b> Varies	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Varies	<b>Geography:</b> Whole EU+
<b>Content description:</b> Various data for EU countries on migration factors and drivers, including: migrant integration, economic indicators (including GDP and employment rates), social conditions, and policy.					
<b>Notes:</b> Mostly administrative and survey (LFS) data, with clear definitions, but lacking some detail for certain variables of interest e.g. country of birth. Examples: Economy and finance – national accounts (GDP); Population & social conditions: Demography and migration, Asylum and managed migration, Health, Labour market, Living conditions and welfare, Income, consumption & wealth, Social protection					
<b>Link:</b> <a href="https://ec.europa.eu/eurostat/data/database">https://ec.europa.eu/eurostat/data/database</a> > ... > Economy and finance, Population & Social conditions. <b>Access information:</b> Data publicly available for download from an interactive database					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green	
Population and definitions	Transparency	Completeness	Sample design <i>where relevant</i>		

<b>09</b>	<b>Syrian official statistics</b>			<b>Topic:</b> Origin population	
<b>Source type:</b> Census, survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Varies	<b>Geography:</b> Syria
<b>Content description:</b> Population distributions before conflict e.g. by educational status, marital status, age groups and nationality, sub-national labour force statistics, basic demographic indicators.					
<b>Notes:</b> Data from the 2004 census, 2006-12 labour force surveys, and a one-off 2009-10 family health survey, with some limited characteristics of the pre-conflict Syrian population. Meta-information largely unavailable. For surveys, sampling frames unknown. More recent data (e.g. yearbooks) untrustworthy.					
<b>Link:</b> <a href="http://cbssyr.sy/index-EN.htm">http://cbssyr.sy/index-EN.htm</a>					
<b>Access information:</b> Selected publications available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber/red	
Population and definitions	Transparency	Completeness	Sample design <i>where relevant</i>		

<b>10</b>	<b>IOM GMDAC portal</b>			<b>Topic:</b> Destination population; Context; Routes and journey	
<b>Source type:</b> Various	Quantitative <i>Qualitative</i>	Process <i>Context</i>	Macro-level <i>Micro-level</i>	<b>Time detail:</b> Mainly annual	<b>Geography:</b> Worldwide
<b>Content description:</b> A comprehensive data portal of the IOM Global Migration Data Analysis Centre presenting a range of migration-related variables and indicators from a variety of secondary sources (e.g. UN, Eurostat) and data on migrant deaths and disappearances from the Missing Migrants Project.					
<b>Notes:</b> Provides very easy access to reliable migration-related data. The data are mainly annual; and often lacking detail for some key variables. There is a clear description of sources and methodology. Some estimates (e.g. UN stocks) rely on definitions from national censuses and on interpolations.					
<b>Link:</b> <a href="https://migrationdataportal.org/">https://migrationdataportal.org/</a>					
<b>Access information:</b> Data, metadata and reports available for download from a well-organised database					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>11</b>	<b>IOM Displacement Tracking</b>			<b>Topic:</b> Destination population; Flows; Drivers: conflict/disasters	
<b>Source type:</b> Registration	Quantitative <i>Qualitative</i>	Process <i>Context</i>	Macro-level <i>Micro-level</i>	<b>Time detail:</b> Monthly	<b>Geography:</b> Worldwide
<b>Content description:</b> The Displacement Tracking Matrix (DTM) presents data on displaced and returned populations, including some local assessments of shelter/living conditions, as well as flow monitoring.					
<b>Notes:</b> Includes population displacement due to conflict, disaster and other reasons, monitored by IOM. Flow database includes a selection of Southern European countries of arrival.					
<b>Link:</b> <a href="https://displacement.iom.int/">https://displacement.iom.int/</a> (displacement statistics), <a href="https://flow.iom.int/">https://flow.iom.int/</a> (flows)					
<b>Access information:</b> Data available for download from a highly visual interactive database					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>12</b>	<b>IDMC Global Displacement</b>			<b>Topic:</b> Destination population; Drivers: conflict/disasters	
<b>Source type:</b> Various	Quantitative <i>Qualitative</i>	Process <i>Context</i>	Macro-level <i>Micro-level</i>	<b>Time detail:</b> Monthly/daily	<b>Geography:</b> Worldwide
<b>Content description:</b> Data on persons internally displaced due to conflict, persecution and natural or human-made disasters, compiled by the Internal Migration Monitoring Centre (IDMC). Demographically consistent flow (new displacements) and stock data. Exemplary documentation and meta-information.					
<b>Notes:</b> Data based on multiple sources: IOM DTM (see 11 above), augmented by using other collections (e.g. UN OCHA, national governments and humanitarian organisations) and formal risk modelling.					
<b>Link:</b> <a href="http://www.internal-displacement.org/">http://www.internal-displacement.org/</a>					
<b>Access information:</b> Data publicly available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>13</b>	<b>OECD Migration databases</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Various	Quantitative <i>Qualitative</i>	Process <i>Context</i>	Macro-level <i>Micro-level</i>	<b>Time detail:</b> Annual	<b>Geography:</b> OECD+
<b>Content description:</b> Three databases: <i>OECD International Migration database</i> – annual flows and stocks; <i>Database on Immigrants in OECD countries</i> (including a few non-OECD) – demographic and labour market characteristics of immigrants; and <i>Indicators of Immigrant Integration</i> – national and local measures of employment, education, social inclusion, civic engagement and social cohesion.					
<b>Notes:</b> Information from the network of migration correspondents ('Sopemi') from OECD+ countries.					
<b>Link:</b> <a href="http://www.oecd.org/migration/mig/oecdmigrationdatabases.htm">http://www.oecd.org/migration/mig/oecdmigrationdatabases.htm</a>					
<b>Access information:</b> Data series and distributions publicly available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>14</b>	<b>World Bank Factbook</b>			<b>Topic:</b> Flows and impacts	
<b>Source type:</b> Registration	Quantitative <i>Qualitative</i>	Process <i>Context</i>	Macro-level <i>Micro-level</i>	<b>Time detail:</b> Annual or less	<b>Geography:</b> Worldwide
<b>Content description:</b> World Bank's Migration and Remittances Factbook dataset includes estimates of bilateral migration flows (once every few years), as well as financial remittance flows (annual).					
<b>Notes:</b> Estimates are compiled from a range of national and international sources, down to the level of single bilateral flows of migrants and remittances, where quality aspects may vary by country.					
<b>Link:</b> <a href="http://www.worldbank.org/en/topic/migrationremittancesdiasporaissues/brief/migration-remittances-data">http://www.worldbank.org/en/topic/migrationremittancesdiasporaissues/brief/migration-remittances-data</a>					
<b>Access information:</b> Migration/remittance matrices and series available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>15</b>	<b>ILOStat (formerly Laborsta)</b>			<b>Topic:</b> Destination population, Flows and impacts	
<b>Source type:</b> Various	Quantitative <i>Qualitative</i>	Process <i>Context</i>	Macro-level <i>Micro-level</i>	<b>Time detail:</b> Annual	<b>Geography:</b> Worldwide
<b>Content description:</b> Comprehensive database of the International Labour Organization, covering different aspects of the labour force, including migration flows and migrant stocks.					
<b>Notes:</b> The estimates are derived from the UN migrant stock data (see also <b>10</b> above), Eurostat and OECD statistics, as well as regional sources (e.g. ASEAN), which may vary in quality across countries.					
<b>Link:</b> <a href="https://www.ilo.org/ilostat/">https://www.ilo.org/ilostat/</a>					
<b>Access information:</b> Data series and interactive query results available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>16</b>	<b>Frontex apprehensions</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Operational	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Monthly	<b>Geography:</b> EU ext. borders
<b>Content description:</b> Administrative/operational data on monthly numbers of 'illegal border crossings' (i.e. apprehensions) by nationality, route and border type, for sections of EU external borders					
<b>Notes:</b> Data collected for border enforcement, and published with two months' delay. Illegal border crossings rather than all border crossings or number of migrants; one migrant may cross multiple times. Sources are published, but limited information on data collection. No way of assessing completeness.					
<b>Link:</b> <a href="https://frontex.europa.eu/along-eu-borders/migratory-map/">https://frontex.europa.eu/along-eu-borders/migratory-map/</a>					
<b>Access information:</b> Monthly data freely available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>17</b>	<b>Frontex Risk Analysis data</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Operational	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Monthly	<b>Geography:</b> EU ext. borders
<b>Content description:</b> Data on detections of illegal border-crossing at/between border crossing points; refusals of entry; asylum applications; detections of illegal stay, facilitators or fraudulent documents.					
<b>Notes:</b> Enforcement data, reported monthly and published quarterly, for top ten nationalities in each category (Syrians not always in the top ten). Sources, data collection and completeness: as above.					
<b>Link:</b> <a href="https://frontex.europa.eu/publications/?category=riskanalysis">https://frontex.europa.eu/publications/?category=riskanalysis</a>					
<b>Access information:</b> Publications and reports (EaP-RAN and FRAN) freely available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness	Sample design N/A		

<b>18</b>	<b>Human Costs of Borders</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Registrations	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Annual	<b>Geography:</b> Mediterranean
<b>Content description:</b> Official, state-produced records of people who died while attempting to reach southern EU countries via the Mediterranean, and whose bodies were found in or brought to Europe. Death registration data for 1990–2013 in selected coastal areas of Greece, Italy and Spain.					
<b>Notes:</b> Only limited disaggregations available. Clear definitions for inclusion but lacking detail for some key variables. Methodology rigorous and explicitly described. Explicit strategies to achieve completeness but limited to strict definition of bodies found (=minimum confirmed), rather than total death estimates.					
<b>Link:</b> <a href="http://www.borderdeaths.org/">http://www.borderdeaths.org/</a>					
<b>Access information:</b> Data and publications freely available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness	Sample design N/A		



<b>19</b>	<b>Displaced persons in Austria</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Nov-Dec 2015	<b>Geography:</b> Austria
<b>Content description:</b> DiPAS: A dedicated survey on socio-economic characteristics, human capital, and attitudes of asylum-seekers, predominantly from Syria, Iraq, and Afghanistan.					
<b>Notes:</b> A one-off academic survey, aimed at better understanding of the asylum seeking population; specifically includes Syrian refugees. Peer reviewed publications on data collection and methodology.					
<b>Link:</b> <a href="https://www.oeaw.ac.at/en/vid/research/research-projects/dipas/">https://www.oeaw.ac.at/en/vid/research/research-projects/dipas/</a>					
<b>Access information:</b> Only meta-data and publications are freely available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness N/A	Sample design		

<b>20</b>	<b>IAB-BAMF-SOEP Survey</b>			<b>Topic:</b> Destination population; Routes and journey	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Panel 2013-19	<b>Geography:</b> Germany
<b>Content description:</b> A panel survey of refugees and asylum seekers, who arrived in Germany since 1 Jan 2013, with data including reason for migration, costs and risks, experiences of journey and integration.					
<b>Notes:</b> Focus on understanding the asylum seeking population and integration of refugees, including Syrians. Methodology and data published; problems with interviewers clearly described and addressed.					
<b>Link:</b> <a href="https://www.diw.de/en/diw_01.c.538695.en/research_advice/iab_bamf_soep_survey_of_refugees_in_germany.html">https://www.diw.de/en/diw_01.c.538695.en/research_advice/iab_bamf_soep_survey_of_refugees_in_germany.html</a> . <b>Access information:</b> Data and publications freely available for download, for data access, see <a href="https://fdz.iab.de/en/FDZ_Individual_Data/iab-bamf-soep.aspx">https://fdz.iab.de/en/FDZ_Individual_Data/iab-bamf-soep.aspx</a>					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green	
Population and definitions	Transparency	Completeness N/A	Sample design		

<b>21</b>	<b>Syrian Refugees in Germany</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Sept-Oct 2015	<b>Geography:</b> Germany
<b>Content description:</b> Survey of 889 Syrian refugees' opinions including reason for fleeing Syria and views on the conflict, aiming to fill information gaps and give refugees a voice					
<b>Notes:</b> A one-off survey, by an organisation aiming to promote refugee rights, specifically concerned with Syrian refugees. Sample design targeted a number of locations, but with no systematic strategy.					
<b>Link:</b> <a href="https://adoptrevolution.org/en/survey-amongst-syrian-refugees-in-germany-backgrounds/">https://adoptrevolution.org/en/survey-amongst-syrian-refugees-in-germany-backgrounds/</a>					
<b>Access information:</b> Summary data available only in aggregate formats (pdf tables)					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness N/A	Sample design		

<b>22</b>	<b>Flight 2.0 (Flucht 2.0)</b>			<b>Topic:</b> Routes and journey; Information	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Apr-May 2016	<b>Geography:</b> En route
<b>Content description:</b> Survey of refugees' use of mobile devices and information including mobiles, media sources of information and levels of trust during journey to Germany. <u>Report in German.</u>					
<b>Notes:</b> A one-off retrospective survey on asylum seekers housed in reception centres in Berlin, including Syrians, based on a quota sample with main distributions matched with register.					
<b>Link:</b> <a href="https://www.polsoz.fu-berlin.de/en/kommwiss/arbeitsstellen/internationale_kommunikation/Forschung/Flucht-2_0/index.html">https://www.polsoz.fu-berlin.de/en/kommwiss/arbeitsstellen/internationale_kommunikation/Forschung/Flucht-2_0/index.html</a> <b>Access information:</b> Report on methods and key results available.					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness N/A	Sample design		

<b>23</b>	<b>MedMig</b>			<b>Topic:</b> Routes and journey; Policy; Information	
<b>Source type:</b> Interviews	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 2015-16	<b>Geography:</b> Mediterranean
<b>Content description:</b> Interviews with 500 migrants in Italy, Greece, Malta and Turkey during 2015, including reason for migration, experience of violence, use of media/information <sup>(1)</sup> , networks, intentions.					
<b>Notes:</b> A one-off study, aiming for academic understanding of the asylum seeking population, including Syrian refugees. Data disaggregated by nationality and arrival location. Methods and results published.					
<b>Link:</b> <a href="https://www.compas.ox.ac.uk/project/unravelling-mediterranean-migration-crisis-medmig">https://www.compas.ox.ac.uk/project/unravelling-mediterranean-migration-crisis-medmig</a> <b>Access information:</b> Only publications are available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness N/A	Sample design		

<sup>(1)</sup> For a related study, see also: <http://www.open.ac.uk/ccig/research/projects/mapping-refugee-media-journeys>

<b>24</b>	<b>Evi-Med</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Mixed survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 2016	<b>Geography:</b> Mediterranean
<b>Content description:</b> Survey of 750 migrants and 45 in-depth interviews across Sicily, Greece and Malta including reason for migration and experience of journey.					
<b>Notes:</b> A one-off survey aimed to provide insights into the situation of asylum seekers, specifically Syrians, and impacts on countries of arrival. Minimal description; number of locations targeted but no systematic strategy. Value added in the description of reception systems in the three countries.					
<b>Link:</b> <a href="https://evimedresearch.wordpress.com/">https://evimedresearch.wordpress.com/</a> <b>Access information:</b> Publications and briefings only available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness N/A	Sample design		

<b>25</b>	<b>4Mi</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Mixed survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Since 2014	<b>Geography:</b> Africa/Europe
<b>Content description:</b> Mixed Migration Monitoring Mechanism Initiative (4Mi) – information from 3522 interviews plus survey data of migrants, smugglers and observers across (East) Africa and Europe.					
<b>Notes:</b> Aims to understand various aspects of migrant journeys; data from two phases (2014–17 and 2017 onwards), aggregated by phase. Data lacking some detail, top-tens reported. Does not concern the Syrian population. Methodology explicitly described, heavily reliant on monitor/observer reports.					
<b>Link:</b> <a href="http://4mi.regionalmms.org/">http://4mi.regionalmms.org/</a>					
<b>Access information:</b> Information available via an interactive online interface					
Purpose	Timeliness	Trustworthiness	Disaggregation	<b>Summary rating:</b> Amber	
Population and definitions	Transparency	Completeness N/A	Sample design		

<b>26</b>	<b>Migration Policy Centre</b>			<b>Topic:</b> Routes and journey; Policy; Drivers: conflict/violence	
<b>Source type:</b> Secondary	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Intra-month	<b>Geography:</b> Syria
<b>Content description:</b> Migration Policy Centre timeline of Syrian conflict and policy responses, based on journalistic accounts and legal documents					
<b>Notes:</b> Information collated on events relating to Syrian migration, with a selection of individual dates reported, but ending in 2016; based on publicly available news reports of varying journalistic standards.					
<b>Link:</b> <a href="http://syrianrefugees.eu/">http://syrianrefugees.eu/</a>					
<b>Access information:</b> Information available via an interactive online interface					
Purpose	Timeliness	Trustworthiness	Disaggregation N/A	<b>Summary rating:</b> Green/amber	
Population and definitions	Transparency	Completeness N/A	Sample design N/A		

<b>27</b>	<b>IMPALA</b>			<b>Topic:</b> Policy	
<b>Source type:</b> Legal	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 1960 onwards	<b>Geography:</b> 20 countries
<b>Content description:</b> Database of trends in immigration selection, naturalization, illegal immigration policy and bilateral agreements across 20 migrant-receiving OECD countries, across time.					
<b>Notes:</b> Aims to understand migration policies and their impact, and specifically includes policy on forced migration. Public release of data delayed, as of 1 May 2019.					
<b>Link:</b> <a href="http://www.impaladatabase.org/">http://www.impaladatabase.org/</a>					
<b>Access information:</b> Key publications only available for download					
Purpose	Timeliness	Trustworthiness	Disaggregation N/A	<b>Summary rating:</b> Green/amber <sup>(1)</sup>	
Population and definitions	Transparency	Completeness N/A	Sample design N/A		

<sup>(1)</sup> Potential rating, once the data are released, based on available meta-information and documentation

## 2. Supplementary general sources on migration processes, drivers or features

<b>S01</b>	<b>PROMINSTAT</b>			<b>Topic:</b> Meta-information	
<b>Source type:</b> Review	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Mostly annual	<b>Geography:</b> EU countries
<b>Content description:</b> Legacy website of an important FP6 project, focusing on providing information and meta-information on “the scope, quality and comparability of statistical data collection on migration in a wide range of thematic fields”, including flows, stocks and various characteristics, across Europe. The scope covers registers, counts, censuses and sample surveys. The reports are current as of ca. 2009.					
<b>Link:</b> <a href="http://www.prominstat.eu/drupal/node/64">http://www.prominstat.eu/drupal/node/64</a>					
<b>Access information:</b> Reports and meta-information publicly available for download					
<b>S02</b>	<b>CLANDESTINO</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Estimates	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Annual	<b>Geography:</b> 12 countries
<b>Content description:</b> Legacy website of another key FP6 project, providing estimates/guesstimates of irregular migrant stocks and flows for 12 EU countries based on a range of sources, with a dedicated quality assessment framework. The reports are current as of ca. 2009, so before the Syrian crisis.					
<b>Link:</b> <a href="http://irregular-migration.net/">http://irregular-migration.net/</a>					
<b>Access information:</b> Reports and estimates publicly available for download					
<b>S03</b>	<b>MAFE Project</b>			<b>Topic:</b> Destination population, Origin population, Routes	
<b>Source type:</b> Survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 2005–2012	<b>Geography:</b> 3+6 countries
<b>Content description:</b> The Migrations between Africa and Europe Project, contains multi-level surveys carried out at sending and receiving ends of migration from Congo, Ghana and Senegal to 6 EU countries. The survey focuses on migration patterns, routes, drivers, as well as socio-demographic impacts. MAFE data have been used in agent-based modelling of international migration by F Willekens and A Klabunde.					
<b>Link:</b> <a href="https://mafeproject.site.ined.fr/en">https://mafeproject.site.ined.fr/en</a>					
<b>Access information:</b> Data are freely available for download for research and educational purposes					
<b>S04</b>	<b>Mexican Migration Project</b>			<b>Topic:</b> Destination population, Origin population, Routes	
<b>Source type:</b> Ethnosurvey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Since 1982	<b>Geography:</b> Mexico - US
<b>Content description:</b> The Mexican Migration Project (MMP) contains detailed and very rich ethnosurvey-based data, quantitative and qualitative, on Mexican migration to the US, collected in parallel from both sides of the border. In general, ethnosurveys combine a quantitative survey with ethnographic methods, and can therefore provide uniquely detailed insights into the mechanisms driving migration flows.					
<b>Link:</b> <a href="https://mmp.opr.princeton.edu/">https://mmp.opr.princeton.edu/</a>					
<b>Access information:</b> Data are freely available for download for research and educational purposes					

<b>S05</b>	<b>Latin American Migration</b>			<b>Topic:</b> Destination population, Origin population, Routes	
<b>Source type:</b> Ethnosurvey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Since 1982	<b>Geography:</b> 10 origins - US
<b>Content description:</b> Parallel to the MMP, the Latin American Migration Project (LAMP) contains detailed ethnosurvey data for migration from 10 Latin American origin countries to the US.					
<b>Link:</b> <a href="https://lamp.opr.princeton.edu/">https://lamp.opr.princeton.edu/</a>					
<b>Access information:</b> Data are freely available for download for research and educational purposes					

<b>S06</b>	<b>ICMPD Yearbook</b>			<b>Topic:</b> Destination population, Routes, Flows and impacts	
<b>Source type:</b> Secondary	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Annual	<b>Geography:</b> C-E Europe
<b>Content description:</b> Legacy “Annual Yearbook on Illegal Migration, Human Smuggling and Trafficking in Central and Eastern Europe” produced for 1999–2010 by the International Centre for Migration Policy Development in Vienna, compiling different data from migration and border enforcement authorities.					
<b>Link:</b> <a href="http://research.icmpd.org/projects/irregular-migration/yearbook/">http://research.icmpd.org/projects/irregular-migration/yearbook/</a>					
<b>Access information:</b> Publications freely available for download					

<b>S07</b>	<b>Uppsala Conflict Data: UCDP</b>			<b>Topic:</b> Drivers: conflict/violence	
<b>Source type:</b> Journalistic	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Daily - annual*	<b>Geography:</b> Worldwide
<b>Content description:</b> A comprehensive database of conflict and organized violence-related fatal events, actors, and the numbers of deaths, based on geocoded news items, with some data going back to 1946. * Time granularity depends on a specific dataset. Events reported for >25 deaths.					
<b>Link:</b> <a href="https://www.pcr.uu.se/research/ucdp/">https://www.pcr.uu.se/research/ucdp/</a>					
<b>Access information:</b> Data freely available for download					

<b>S08</b>	<b>ACLED Conflict Data</b>			<b>Topic:</b> Drivers: conflict/violence	
<b>Source type:</b> Journalistic	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Daily*	<b>Geography:</b> Selection**
<b>Content description:</b> Comprehensive information on “the dates, actors, types of violence, locations, and fatalities of all reported political violence and protest events”, event-centred and with detailed spatial granularity, updated weekly. * Temporal range differs by region. ** Includes conflict-affected countries from Africa, Middle East, South and South East Asia, Europe, and Latin America.					
<b>Link:</b> <a href="https://www.acleddata.com/">https://www.acleddata.com/</a>					
<b>Access information:</b> Data spreadsheets and results of queries publicly available for download					

<b>S09</b>	<b>PITF Worldwide Atrocities</b>			<b>Topic:</b> Drivers: conflict/violence	
<b>Source type:</b> Journalistic	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Daily	<b>Geography:</b> Conflict zones*
<b>Content description:</b> Political Instability Task Force Worldwide Atrocities database, based on geocoded news items, providing information on conflict/violence events, updated monthly. * Includes Syria.					
<b>Link:</b> <a href="http://eventdata.parusanalytics.com/data.dir/atrocities.html">http://eventdata.parusanalytics.com/data.dir/atrocities.html</a>					
<b>Access information:</b> Data spreadsheets are available for download					

<b>S10</b>	<b>Global Terrorism Database</b>			<b>Topic:</b> Drivers: conflict/violence	
<b>Source type:</b> Various	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Daily	<b>Geography:</b> Worldwide
<b>Content description:</b> Database of terrorist events including the date, perpetrator and fatalities, based on a range of secondary open sources, from journalistic accounts, to reports and legal documents.					
<b>Link:</b> <a href="https://www.start.umd.edu/gtd/">https://www.start.umd.edu/gtd/</a>					
<b>Access information:</b> Data available for download after pre-registration					

<b>S11</b>	<b>“The New Odyssey”</b>			<b>Topic:</b> Routes and journey	
<b>Source type:</b> Journalistic	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 2012–15	<b>Geography:</b> Varies
<b>Content description:</b> A comprehensive book containing interviews, anecdotes and observations of the journey of asylum seekers into Europe including networks, barriers, strategies and resources involved.					
<b>Reference:</b> Kingsley, Patrick (2016) <i>The New Odyssey. The Story of Europe's Refugee Crisis</i> . London: Guardian / Faber & Faber.					

<b>S12</b>	<b>Coming to the UK</b>			<b>Topic:</b> Information	
<b>Source type:</b> Interviews	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> One-off (2006)	<b>Geography:</b> UK
<b>Content description:</b> Gilbert and Koser (2006) <i>JEMS</i> , 32(7) 1209: interviews with 87 asylum seekers from Afghanistan, Columbia, Kosovo and Somalia about how much they knew about the UK before arrival.					
<b>Link:</b> <a href="https://www.tandfonline.com/doi/figure/10.1080/13691830600821901">https://www.tandfonline.com/doi/figure/10.1080/13691830600821901</a>					
<b>Access information:</b> Publication access available for JEMS subscribers					

<b>S13</b>	<b>GLMM Syrian migration</b>			<b>Topic:</b> Destination population	
<b>Source type:</b> Administrative	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 2010–13	<b>Geography:</b> Gulf States
<b>Content description:</b> Gulf Labour Markets and Migration report on Syrian Refugees in the Gulf until 2013, by F De Bel-Air, reviewing selected annual official data from Gulf countries on Syrian migration.					
<b>Link:</b> <a href="http://gulfmigration.eu/media/pubs/exno/GLMM_EN_2015_11.pdf">http://gulfmigration.eu/media/pubs/exno/GLMM_EN_2015_11.pdf</a>					
<b>Access information:</b> Publication freely available for download					

<b>S14</b>	<b>RRE Life in Limbo</b>			<b>Topic:</b> Destination populations	
<b>Source type:</b> Interviews	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> One-off (2016)	<b>Geography:</b> Greece
<b>Content description:</b> A Refugee Rights Europe publication reporting on a dedicated survey carried out amongst asylum seekers in Greece, containing potentially relevant process and contextual information.					
<b>Link:</b> <a href="http://refugeerights.org.uk/reports/">http://refugeerights.org.uk/reports/</a> > Life in Limbo (and other reports)					
<b>Access information:</b> All publications freely available for download					

<b>S15</b>	<b>Fortress Europe blog</b>			<b>Topic:</b> Routes and journeys	
<b>Source type:</b> Journalistic	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 1988–2016	<b>Geography:</b> Mediterranean
<b>Content description:</b> Compilation of news reports on migrant deaths at European borders, with individual dates reported, with the aim to fill information gaps. Publicly available news reports, varying journalistic standards, sometimes including. Sometimes includes specifically Syrians. <u>Content in Italian.</u>					
<b>Link:</b> <a href="http://fortresseurope.blogspot.com/">http://fortresseurope.blogspot.com/</a>					
<b>Access information:</b> Information freely available					

<b>S16</b>	<b>IMPIC</b>			<b>Topic:</b> Policy	
<b>Source type:</b> Legal	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> 1980–2010	<b>Geography:</b> OECD
<b>Content description:</b> Immigration Policies in Comparison: a legacy database, comparing migration policies of 33 OECD countries, aimed at better understanding migration policies and their impact.					
<b>Link:</b> <a href="http://www.impic-project.eu/">http://www.impic-project.eu/</a>					
<b>Access information:</b> Dataset freely available, also for quantitative analysis					

<b>S17</b>	<b>D4R (TelecomTurk)</b>			<b>Topic:</b> Destination population; Information; Living conditions	
<b>Source type:</b> Phone calls	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Jan-Dec 2017	<b>Geography:</b> Turkey
<b>Content description:</b> A large, one-off database of anonymised data on mobile phone usage (Call Detail Records) by refugees in Turkey in 2017, focusing on internal mobility and (prospectively) integration. The data were disseminated only to institutions pre-selected in an open competition for research projects utilising the data, with the aim of supporting refugees or refugee-facing activities in Turkey.					
<b>Link:</b> <a href="http://d4r.turktelekom.com.tr">http://d4r.turktelekom.com.tr</a> . <b>Access information:</b> The data are not publicly available, and the competition is now closed. Reports from selected projects are available for download (155MB!).					

<b>S18</b>	<b>IOM Impact Evaluation study</b>			<b>Topic:</b> Information	
<b>Source type:</b> RCT survey	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Oct-Nov 2018	<b>Geography:</b> Senegal
<b>Content description:</b> A one-off impact evaluation study, employing a survey-based randomized control trial (RCT) amongst the participants of IOM information and intervention programmes, aiming to assess the efficiency of peer-to-peer information campaigns about the migration reality between prospective migrants from Senegal. The study reported increased awareness of realistic risks and opportunities, and decreased propensity to report intentions to migrate illegally, in both cases by about 20-25%.					
<b>Link:</b> <a href="https://publications.iom.int/books/migrants-messengers-impact-peer-peer-communication-potential-migrants-senegal-impact">https://publications.iom.int/books/migrants-messengers-impact-peer-peer-communication-potential-migrants-senegal-impact</a> . <b>Access information:</b> The individual-level data are not publicly available, but the report and the accompanying technical annex contain many aggregate results tables.					

<b>S19-S20</b>	<b>Global flow estimates</b>			<b>Topic:</b> Flows	
<b>Source type:</b> Stock data	Quantitative Qualitative	Process Context	Macro-level Micro-level	<b>Time detail:</b> Five-yearly	<b>Geography:</b> Global
<p><b>Content description:</b> Two sets of global migration flow estimates (five-year transitions), linked to two recent milestone articles on deriving migration flow estimates consistent with population and migrant stock data from the UN: <b>[1]</b> Abel GJ and Sander N (2014) Quantifying Global International Migration Flows. <i>Science</i>, 343(6178), 1520-1522, and <b>[2]</b> Azose JJ and Raftery AE (2019) Estimation of emigration, return migration, and transit migration between all pairs of countries. <i>PNAS</i>, 116(1), 116-122.</p>					
<p><b>Links:</b> <a href="https://science.sciencemag.org/content/343/6178/1520.abstract">https://science.sciencemag.org/content/343/6178/1520.abstract</a> (Abel &amp; Sander 2014)  <a href="http://download.gsb.bund.de/BIB/global_flow/">http://download.gsb.bund.de/BIB/global_flow/</a> (database for Abel &amp; Sander 2014)  <a href="https://www.pnas.org/content/116/1/116">https://www.pnas.org/content/116/1/116</a> (Azose and Raftery 2019, including data)</p>					
<p><b>Access information:</b> Open source data and publications available via the links above</p>					