Technical Workshop on International Migration and Temporary Mobility Statistics

session 9: Innovative data sources for international migration and temporary mobility

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BIG DATA FOR MIGRATION ALLIANCE (BD4M)

LAUNCHED IN 2018, CONVENED BY IOM’S GMDAC, THE EC KCMD AND THE GOVLAB AT NYU

Building knowledge  Facilitating research  Connecting stakeholders  Capacity development

https://data4migration.org/

Examples of BD4M Activities

More information about recent events and publications: data4migration.org
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Non-Traditional data sources

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<th>Artificial Intelligence/Machine Learning</th>
<th>Social Media</th>
<th>Satellite Data</th>
<th>Other</th>
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Policy and programmatic needs

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<tr>
<th>Measuring Migrant Stocks and Flows</th>
<th>Tracking Human Displacement</th>
<th>Sampling Migrants and Diasporas</th>
<th>Monitoring Public Sentiment Towards Migrants</th>
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<td>Forecasting Human Mobility</td>
<td>Displaying Social Connections</td>
<td>Building Data Partnerships</td>
<td>Establishing Ethical Frameworks</td>
<td>Tackling COVID-19</td>
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Challenges

**ETHICAL CHALLENGES**
Earning public trust in the face of new data privacy and security risks

**QUALITY CHALLENGES**
Distilling accurate information from biased and erroneous data

**DATA AVAILABILITY CHALLENGES**
Ensuring effective and secure data access across sectors and countries

**DATA ANALYTICS CHALLENGES**
Integrating requirements of traditional and innovative sources and methodologies

Data privacy and informed consent
Bias and discrimination
Data security

Data ownership
Private-public sector collaboration
Accountability frameworks

Selection bias
Errors and uncertainties
Reliability

Interpretation of results
Data interoperability
Skills and capacities
Key takeaways

- A clear articulation and definition of problems and needs where data can be used meaningfully should be starting point, avoiding tech-solutionist approaches.
- Cross-sectoral, interdisciplinary partnerships and collaborations are critical to make progress in this area.
- New regulatory and ethical frameworks are necessary to reap the benefits and limit the risks of using new data sources and methods.
- Data innovation should aim at preventing asymmetries in digital data capacities and addressing existing digital divides and inequalities.
3 country cases - Malaysia, Hungary, Italy
Thank you