Conclusions and Way Forward
Place of Usual Residence

✓ Location between 2 AM and 6 AM

✓ Location pattern
  • Night time location
  • Over longer period of time
Usual Environment

✓ Place of Usual Residence
  +
✓ Work, Shopping, School, Weekend home

Include – Cross-Border Workers
Exclude – Vacation home
Commuter statistics & Day-Night population

✓ Mobility pattern
  • Night time location
  • Day time location
    • Distinction Work, Shopping, Exercise facility
Domestic Visitors

✓ Day Trips
  • Night time location
  • Day time location
    • Not Work, Shopping, Exercise facility

✓ Multi-day Trips
  • Night time location
  • Day time location
    • Not Work, Shopping, Exercise facility
Inbound Tourism / Migration

✓ Non-resident Tourists
  • Foreigners
  • Visiting Nationals

✓ Migrants
  • New entry
  • Stay for more than 12 months
    • National definition – 6 months + 1 day
1) Small data sample to understanding data fields and attributes (Positium, Eurostat, ITU, JRC, All)

2) Hashed training dataset

3) “Data cleaning” algorithms development (Positium, Eurostat, ITU, All)

4) Pre-processed Data (algorithms run on full dataset)

5) Data processing development & quality assurance (Positium, Eurostat, JRC, Geostat, All)

6) Derived products:
   - Migration/tourism statistics (Geostat, SCM, All)
   - Grid maps (data challenge, JRC, All)
Small data sample

Derived products:
- Migration/tourism statistics
- Grid maps

GNCC

“Data cleaning” algorithms

Data processing & quality assurance

Raw data

Hashed training dataset

Pre-processing
## Create a 2-Year Roadmap

<table>
<thead>
<tr>
<th>Needs</th>
<th>What are the areas where mobile phone data-based statistics are <strong>most needed</strong>? Generate a priority list for your country. Is there already potential <strong>funding</strong> to cover statistical production of these application areas, given a viable solution?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roles</td>
<td>Who are the stakeholders? What is the <strong>role</strong> of all of them in processing mobile phone data?</td>
</tr>
<tr>
<td>Legal</td>
<td>What are the <strong>legal grounds</strong> to use mobile phone data, list what is allowed and what is not? What are the technical solutions used to overcome privacy considerations and how are they approved?</td>
</tr>
<tr>
<td>Hardware</td>
<td>Calculate the <strong>hardware</strong> needs and assess current hardware</td>
</tr>
<tr>
<td>Software</td>
<td>What type of <strong>software</strong> stack is needed, what do we still need to develop? Who develops the methodology, who does the data science, who develops the production-ready software?</td>
</tr>
<tr>
<td>HR</td>
<td>What type of <strong>skillsets</strong> are still needed?</td>
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## Create a 2-Year Roadmap

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Deliverables

✓ Task Team deliverables
✓ Project
  • Documentation
  • Algorithms & Methods
  • Scientific paper
  • Experimental statistics