

II Internal Meeting of WP5 Mobile Phone Data

Madrid, 20-21 March, 2018

Tue, 20 March			
13:00-13:30	Welcome and agenda adoption		
13:30-14:30	Towards a reference methodological framework for analysis of MNO signalling data	Eurostat	45 min + 15 debate/questions
14:30-15:00	Methodology I: the two-phase life cycle model and mobile phone data	ES	15 min + 15 debate/questions
15:00-16:00	Methodology II: the core data model and location of events	FR, IT	2 x 20 min + 20 debate/questions
16:00-16:30	Coffee break		
16:30-17:00	Methodology III: a hierarchical model to estimate population counts	ES	20 min + 10 debate/questions
17:00-17:45	Methodology IV: discussion and recap	All	

Wed, 21 March			
09:00-10:00	<i>tba</i>	Flowminder	
10:00-10:45	IT I: R package to estimate population counts	RO	30 min + 15 debate/questions
10:45-11:15	Coffee Break		
11:15-13:15	Quality I: Perspectives to apply this framework on real data sets	FR, UK, DE, IT, BE, FI	15 min each + 30 min debate
13:15-13:45	Quality II: Deliverable on quality: structure, agreements and plan of action	All	

General Information

This draft agenda is structured upon the approach of (i) producing a summarised revision of the methodological framework and IT tools developed to apply it in the deliverables on methodology and IT and (ii) perspectives and plans to use this framework upon the real data sets collected during SGA-1.

Regarding the contents of each item of the agenda, the aim is to provide a common background for everybody to work in the same direction and to produce the final results expected for our WP. We mention:

1. Eurostat's contribution:

An ultra-brief tutorial on MNO signalling data will be provided. Upon these ideas a proposal for a general methodological framework will be formulated to process these data for Official Statistics.

2. Methodology I: the two-phase life cycle model and mobile phone data

We will expose and debate about the use of this model with mobile phone data. This model is central in the quality assessment of admin data for statistical purposes. The key idea is thus to agree on the utility of this tool to assess also quality of the statistical production with mobile phone data.

3. Methodology II: the core data model and location of events

The adoption of a core data model common within the ESS is a key step in incorporating mobile phone data into the production of official statistics in a normalised and standardised way. One of the key ingredients in this model is the computation of the spatial attributes of network events.

4. Methodology III: the hierarchical model to estimate population counts

The model underlying how to produce estimates of population counts starting from mobile phone data will be revised so that its application will hopefully be as seamlessly as possible.

5. Methodology IV: discussion and recap

We shall recap especially to approach the last deliverable in which the methodology must be applied to real mobile phone data.

6. Flowminder's contribution

tba

7. IT I: R package to estimate population counts

An illustration of the use of the R package developed by the INE-INSSE to produce estimates of population counts starting from aggregated mobile phone data and official data will be provided.

8. Quality I: Perspectives to apply this framework on real data sets

A key ingredient of the last deliverable and of the whole WP is the application of our proposals to real data, i.e. to those data sets collected during the SGA-1. This application can only be conducted by those partners with access to these data. Upon the framework presented above (all contained in the methodology and IT deliverable), each partner with real data will present its plan for this application.

9. Quality II: Deliverable on quality: structure, agreements and plan of action

As the final item, we will reach agreements about the structure and contents of the deliverable on quality, especially regarding the use of the two-phase life-cycle model for quality assessment, the identification of proposed standards for diverse elements of the core data model, the analysis of the results of the application of the framework to our real data, and future perspectives.

For internal organization here at INE, please communicate in advance the computer resources you will need, especially regarding the IT items. If you prefer using your own laptop, there is no problem. For standard presentations in pdf or powerpoint the files can be uploaded and be ready for its use in our desktop computer.