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

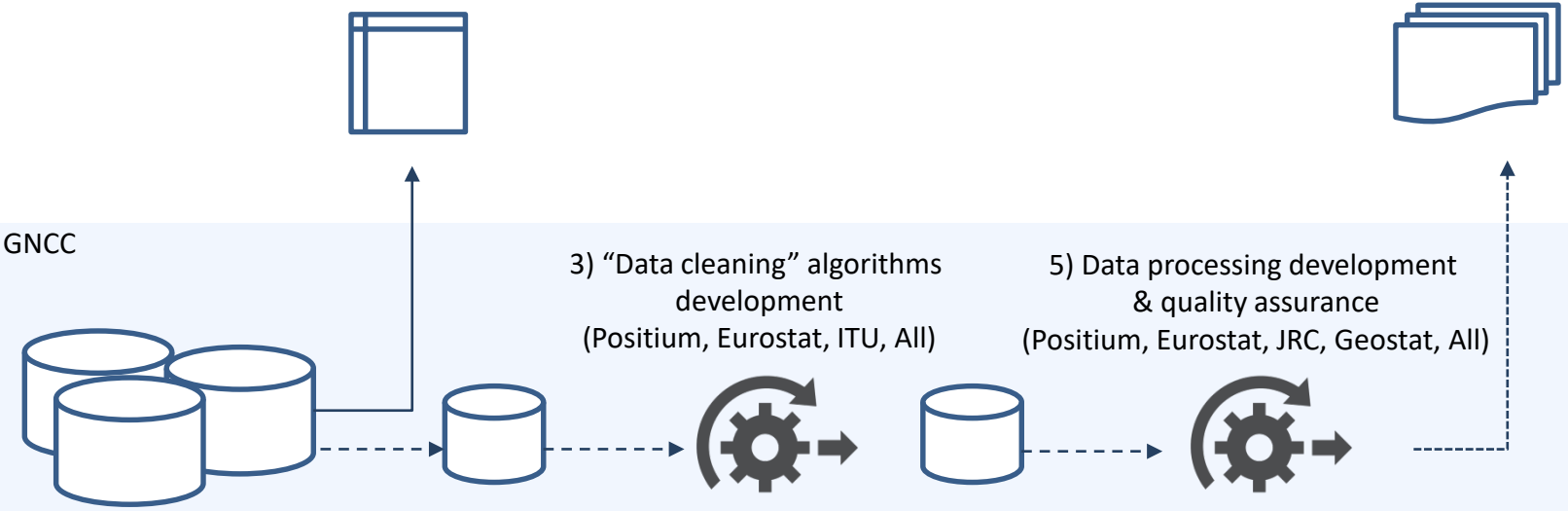
- ✓ **Day Trips**
  - Night time location
  - Day time location
    - Not Work, Shopping, Exercise facility
- ✓ **Multi-day Trips**
  - Night time location
  - Day time location
    - Not Work, Shopping, Exercise facility

Inbound Tourism / Migration

- ✓ **Non-resident Tourists**
  - Foreigners
  - Visiting Nationals
- ✓ **Migrants**
  - New entry
  - Stay for more than 12 months
    - National definition – 6 months + 1 day

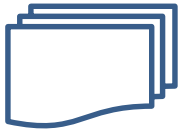
1) Small data sample to understanding data fields and attributes
(Positium, Eurostat, ITU, JRC, All)

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



Derived products:
- Migration/tourism statistics
- Grid maps

Small data sample



GNCC

"Data cleaning" algorithms

Data processing
& quality assurance

Raw data

Hashed
training
dataset

Pre-processing

Create a 2-Year Roadmap

NEEDS	What are the areas where mobile phone data-based statistics are **most needed**? Generate a priority list for your country. Is there already potential **funding** to cover statistical production of these application areas, given a viable solution?
ROLES	Who are the stakeholders? What is the **role** of all of them in processing mobile phone data?
LEGAL	What are the **legal grounds** 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?
HARDWARE	Calculate the **hardware** needs and assess current hardware
SOFTWARE	What type of **software** 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?
HR	What type of **skillsets** are still needed?

Create a 2-Year Roadmap

NEEDS	What are the areas where mobile phone data-based statistics are **most needed**? Generate a priority list for your country. Is there **funding?**
ROLES	Who are the stakeholders? What is the **role** of all of them in processing mobile phone data?
LEGAL	What are the **legal grounds** to use mobile phone data? What are the technical solutions used to overcome privacy issues?
HARDWARE	Calculate the **hardware** needs and assess current hardware
SOFTWARE	What type of **software** stack is needed?
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positium

Deliverables

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