

RISIS GEO SUMMER SCHOOL

Geocoding and clustering of large ST&I corpuses

From 4th to 8th July 2016 in Paris, UPEMLV will host a RISIS summer school dedicated to geographical treatments of S&T datasets. The leaflet presenting the course can be found on the RISIS website (<http://risis.eu/event/geography-training/>).

We have observed that most S&T datasets have limited geographical data while we more and more discuss these aspects with open debates about the world becoming 'flatter' or on the contrary witnessing strong agglomeration phenomena. Using addresses enables to build geographical variables and study other effects such as the role of proximities, the existence and identification of clusters, and how locations are embedded in multiscale geographical networks. One important aspect is to develop visualisations that help grasping more easily complex analyses and discuss the relevance of established boundaries and classifications of spaces (such as OECD Functional Urban Areas).

As these processes require both a theoretical background and strong technical steps, we have designed this summer school both as a moment of synthesis of the different approaches & tools, while offering practical sessions addressing the participants' datasets, with the objective to go through the different steps, from enrichments to mapping. Thus the five days of the summer school will be based on examples, research outputs and methods or services, mobilized or developed by RISIS project, and scientific presentations on how to geocode toponyms and to build geographical clusters (UPEMLV), on Functional Urban Areas (SNI), and on how to link FUA with open data (VU, SMS).

PRESENTATIONS

Redefining "Urban" The OECD's New Way to Measure Metropolitan Areas Daphne Getz, Emil Israel and Vered Segal (Samuel Neaman Institute, Technion, Israel Institute of Technology)

Using Linked Open Data for Delineation of Functional Urban Areas Ali Khalili, and Peter van den Besselaar (Vrije Universiteit Amsterdam)



MONDAY, JUL. 4

13:30 -14:00 WELCOME COFFEE (ESIEE PARIS Salle du conseil)

14:30 -16:00 **Geocoding process: overview, toponyms, tools available**
Room: *salle du conseil*

16:00 -18:00 **Technical implementations, examples from RISIS**
Room: *salle du conseil*

TUESDAY, JUL. 5

9:00 -12:30 **PARALLEL PRACTICAL SESSIONS**
Geocoding of the datasets
Discovering the geographical distribution
Room: 1207

LUNCH BREAK (ESIEE PARIS 394)

14:00 -17:00 **PARALLEL PRACTICAL SESSIONS**
Geocoding of the datasets
Discovering the geographical distribution
Room: 1207

19:00 -21:00 DINNER (IBIS)

WEDNESDAY, JUL. 6

9:00 -12:30 **GEOGRAPHICAL AGGREGATION**

Approaches for bottom up clustering
Based on examples from EUPRO FP3 dataset
UPEMLV, room: 1207

Redefining "Urban" The OECD's New Way to Measure Metropolitan Areas
Daphne Getz, Emil Israel and Vered Segal (Samuel Neaman Institute, Technion, Israel Institute of Technology), room: 1207

LUNCH BREAK (ESIEE PARIS 394)

14:00 -17:00 **PARALLEL PRACTICAL SESSIONS**
Installation of the software environment and building geographical clusters
Maps: discovering the geographical concentration (convex hull)
Room: 1207

THURSDAY, JUL. 7

9:00 -12:30 **Using Linked Open Data for Delineation of Functional Urban Areas**
Ali Khalili, and Peter van den Besselaar (Vrije Universiteit Amsterdam), room: 1207

RISIS Geo SMS Services demonstrations
Ali Khalili, and Peter van den Besselaar (Vrije Universiteit Amsterdam), room: 1207

LUNCH BREAK (ESIEE PARIS 394)

MAPPING PRACTICAL SESSIONS

Mapping geo layers (clusters, FUA, others)
Room: 1207

Mapping and analyzing networks
Room: 1207

SUMMER SCHOOL DINNER (IBIS)

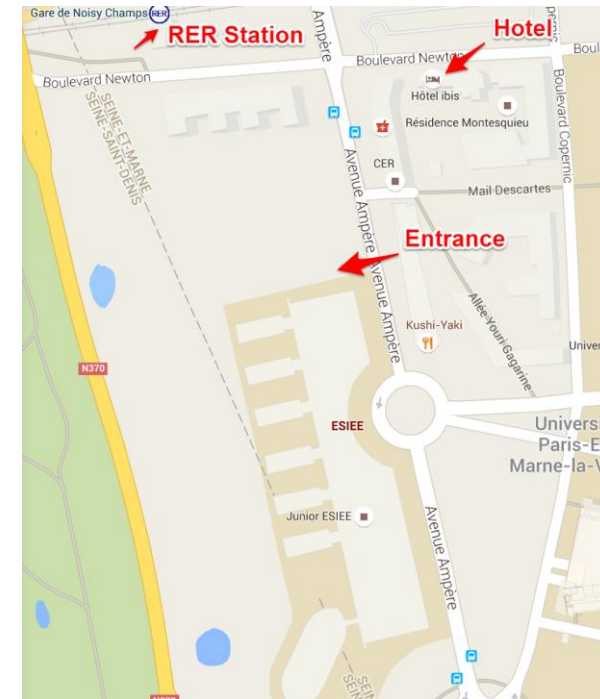
FRIDAY, JUL. 8

9:00 -12:30 **Restitutions of the work and discussion**
Room: *Salle du conseil*

PIC NIC & EXTRA ROOM

A room is booked
Room: *Salle du conseil*

Farewell pic nic



RER A Noisy Champs Station

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LOCAL ORGANIZING COMMITTEE

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