

# 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

**EUPRO, database on EU Framework Programmes** Michael Barber, Barbara Heller-Schuh, Marlies Züger and Thomas Scherngell (Austrian Institute of Technology)

**The Metropolis Concepts and Definitions (with Special Emphasis on the OECD's FUA)** Emil Israël, and Daphne Getz (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 **EUPRO, database on EU Framework Programmes**  
Michael Barber, Barbara Heller-Schuh, Marlies Züger and Thomas Scherngell (Austrian Institute of Technology), room: salle du conseil

**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 DINER (IBIS)

## WEDNESDAY, JUL. 6

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

**The Metropolis Concepts and Definitions (with Special Emphasis on the OECD's FUA)**  
Emil Israël, and Daphne Getz (Samuel Neaman Institute, Technion, Israel Institute of Technology), room: 1207

**Approaches for bottom up clustering**  
Based on examples from EUPRO FP3 dataset UPEMLV, 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)

14:00 -17:00 **MAPPING PRACTICAL SESSIONS**  
**Mapping geo layers (clusters, FUA, others)**  
Room: 1207  
**Mapping and analyzing networks**  
Room: 1207

SUMMER SCHOOL DINER (IBIS)

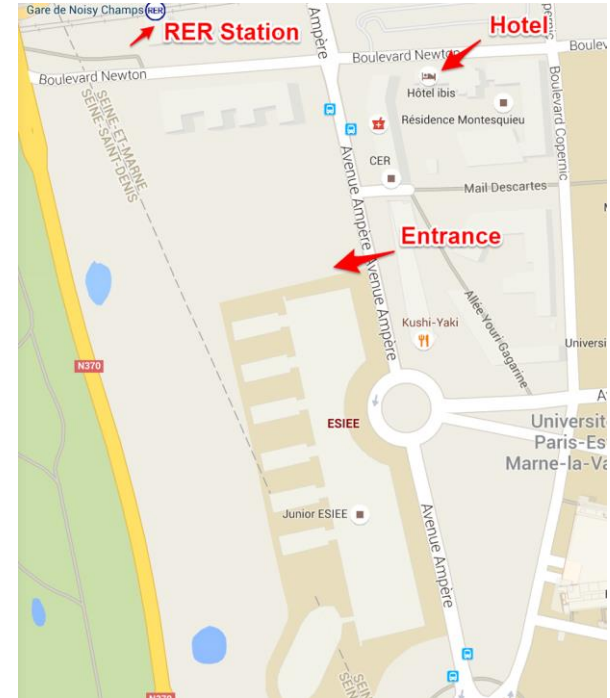
## FRIDAY, JUL. 8

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

PIC NIC & EXTRA ROOM

12:30 -14:00 **A room is booked**  
Room: Salle du conseil

Farewell pic nic



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