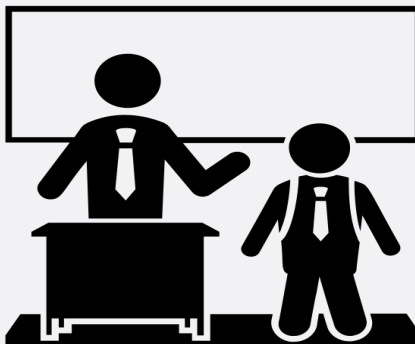


# Presentation of the course

**Maurizio Napolitano**  
([napolitano@fbk.eu](mailto:napolitano@fbk.eu))

<https://tile.openstreetmap.org/0/0/0.png>

# Course Introduction



# Objectives Learning

The laboratory aims to provide the necessary basis for learning how to manage, analyze and visualize geospatial data through open source tools (geospatial libraries for python, qgis, R ...)

At the end of the course, students will be able to:

- understand the specificity of the geospatial data model
- elaborate and integration of geospatial data (vector and raster)
- create maps (also accessible via the web)



# Teachers

**Maurizio Napolitano**



**Diego Giuliani**



# Lessons



Every Friday from 30 September to 2 December 2022  
with Maurizio Napolitano

Department of Sociology and Social Research - University of  
Trento

**Room 12**

The dates of Diego Giuliani's lessons will be communicated  
to you shortly

All official communications will be through the UNITN  
teaching space

[https://www.esse3.unitn.it/Guide/PaginaADErogata.do?ad\\_er\\_id=2021\\*N0\\*N0\\*S1\\*51795\\*94842&ANNO\\_ACCADEMICO=2022&mostra\\_percorsi=S](https://www.esse3.unitn.it/Guide/PaginaADErogata.do?ad_er_id=2021*N0*N0*S1*51795*94842&ANNO_ACCADEMICO=2022&mostra_percorsi=S)

# Hands-on learning



# Support material

## Github

[http://github.com/napo/geospatial\\_course\\_unitn](http://github.com/napo/geospatial_course_unitn)

## Web page

[https://napo.github.io/geospatial\\_course\\_unitn](https://napo.github.io/geospatial_course_unitn)



**GitHub** Pages



# final evaluation

Each student will be required to deliver a **report** through which to show all the concepts learned during the course by choosing a specific theme of **geospatial analysis**.

The **work** must **include** the python and R **code** used for the complete analysis of the list of **dependent libraries** and versione as it must be **reproducible**.

The proposal of the report must be **agreed** with the teacher at least **2 months** in advance.

Group work is not allowed.

The evaluation will take into consideration:

- the concepts learned
- the ability to draw conclusions from the analyzes made
- compliance with the use of the licenses of the chosen data

# Contacts



## Maurizio Napolitano



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[@napo](#)

### Acknowledgements

Icons - from the Noun Project. Authors: Yuvika Koul, Juraj Sedlák , Gene Stroman, David, Adrien Conquet, Evangeline White, Vanila, kinkakuji Chanut is Industrie, Wahyu Prihantoro  
images - wikipedia, openstreetmap