

MOOC FOR STUDENTS IN HIGHER EDUCATION

About this course...

Geo Tools for Employability (Portfolio MyGEO)



MyGEO MOOC is also called “Geotools for employability” or “MyGEO portfolio”. The aim of this course is to train you in modern tools and competences that can help you to find a job in geospatial sector. It is divided in 8 modules that develop several skills such as data storage, spatial analysis, 3D models, etc., but also transversal skills as analytical and critical thinking, business competences, or interpersonal

competences. In every module you will find the presentation of the professional that works in projects related to the topic of the module. You will also find a case study to understand better what is the usefulness of the particular geospatial technologies. Finally, there is an exercise explained step by step, which you can replicate to train as a real geospatial professional.

INFO



Length: 2 weeks.



Effort: 25 hours (Self-paced on your time).



Price: Free for students.
(Co-funded by the Erasmus+ Program of the European Union).



Certification: Yes (Supported by the organizing academic institutions).



https://iedra.uned.es/courses/course-v1:UNED+GeoTIG_Empleo+2021/about



Subject: GIS, geospatial technologies.



Level: Intermediate-advanced.

Institutions: University of Zaragoza and UNED (Spain), University of Padova (Italy), University of Ghent (Belgium) and EUROGEO.



Companies: GeoSpatiumLab, ARS Progetti, Archetipo and Geosolutions.

WHAT YOU'LL LEARN

- ✓ GIS Theory
- ✓ Data source and storage
- ✓ Spatial Analysis

- ✓ Geo-tools
- ✓ Geospatial visualization
- ✓ Geo-apps

SYLLABUS

Module 1: GIS, how did it change my professional life? *GIS theory.*

Module 2: How can i change the world using GIS? *Data source and storage, data coming from direct and indirect information.*

Module 3: Are my data really valid? *Data maintenance, data protection and integrity.*

Module 4: Where do i obtain data for “the where”? *Data coming from GPS, drone, radiometer, spectral camera... And performing data corrections as needed.*

Module 5: What do you know about spatial analysis? *Spatial analysis.*

Module 6: Attractive geotools... are they possible? *Geo-processing.*

Module 7: How can I visualize my data? *Visualization and map viewers.*

Module 8: Will mobile apps help me to get a job? *Geo-applications and programming.*

SOFTWARE



(Open Source or trial version can be provided)