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_Empleo001+2020/

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: Atractive 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)