

## **NEWS**

(IO3) A MOOC designed for Geotechnologies teaching for CH Bachelor and Master students and teachers working in HE institutions

The third Intellectual Output (IO3) of the Erasmus+ MINERVA project is released, and it is at your disposal! The MINERVA IO3 consists of the report entitled “A MOOC designed for Geotechnologies teaching for CH Bachelor and Master students and teachers working in HE institutions” and the Moodle MINERVA platform and aims to design a framework for teaching and learning GIS in CH as a tool to invigorate instruction, provide innovative content delivery in CH teaching, and use them to increase students’ spatial perception and reasoning in a MOOC environment. For more, visit the MINERVA outputs.

## **OUTPUTS**

(IO3) A MOOC designed for Geotechnologies teaching for CH Bachelor and Master students and teachers working in HE institutions

The third Intellectual Output of the MINERVA Project (IO3) is the “MOOC designed for Geotechnologies teaching for CH Bachelor and Master students and teachers working in HE institutions,” and the Moodle MINERVA platform whose expected outcome is to empower learners in a new pedagogical context. This process is expressed by the well-known question: “how can CH teachers benefit from GIS to enhance their student learning? And “how can spatial knowledge and understanding be used to solve problems in CH?”. The challenge lies in the pedagogical content, which needs a different process. On the one hand, tackling the knowledge of geoscience and, on the other hand, using spatial software as an interdisciplinary tool for teaching CH. More specifically, the IO3 is devoted to explaining the architectural structure and the pedagogical content and exploring their value in facilitating students’ development of spatial thinking in CH in cognitive process terms. In conclusion, although using GIS in CH teaching does not constitute an innovation, if approached as a cognitive object and an object of spatial knowledge, it represents a viable and optimum methodology for teaching and learning in CH. That is, teaching GIS can positively affect the development of spatial thinking, reasoning, and interpreting in the field of CH.