



## **Report about the workshop in Granada. 16-20 May 2022**

### **Project: Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences (TeComp)**

In this report, we collect a brief abstract of the workshop.

*María C. Cañadas & Antonio Moreno*

#### **General framework**

The workshop was held at the University of Granada from May 16 to 20, 2022. The realization of this workshop course was related to two the WP3 – Professional development of teaching staff (project activity 3.2).

It was coordinated by the professors of the University of Granada, and members of this Project: María C. Cañadas and Antonio Moreno, who accompanied the attendees to all the sessions. Jelena Ignjatovic, as PI of the project, also support the organization of the project and attended the workshop. The workshop was attended by professors from the Serbian and Albanian universities participating in the Project, who actively participated in the scheduled sessions.

The workshop consisted of several working sessions, combining theoretical and practical work. On some occasions, attendees were required to bring electronic devices to work in the classroom.

The objectives of this workshop were:

- Observe and analyze different teaching methods (in various subjects).
- Identify features of teaching methods in higher education.
- Compare the teaching methods observed to those used in the Albanian and Serbian universities.

The elements of teaching methods that we focused on were:



- Characteristics of teaching.
- Technology in the classroom.
- Effective teaching strategies.

The sessions were given by expert professors from the University of Granada in the areas of Mathematics and Science, in different faculties of the university. The professors are experts in teaching methodologies and evaluation. The specific contents addressed were related to mathematics and science.

### **Participants**

17 teachers of Serbian and Albanian universities participated in the sessions, as collected in the attendance lists.

### **Teachers**

The workshop was guided by 5 experienced English language teachers from the Faculty of Science and the Faculty of Education of the University of Granada.

### **Contents**

In this session Jelena, as PI of the Project, welcomed the attendees.

María Cañadas and Antonio Moreno presented the objectives, contents and structure of the workshop. They also gave practical orientations for the development of the sessions.

One teacher of Mathematics in the Science Faculty guided a session about Dynamic Mathematics. This is one subject of the Master on Mathematics. Cada participante fue invitado a llevar un dispositivo con el Geogebra instalado. Dimos las instrucciones a los asistentes.



**Strengthening Teaching Competences  
in Higher Education  
in Natural and Mathematical Sciences**



Co-funded by the  
Erasmus+ Programme  
of the European Union



One teacher from the Math Education Department in the Faculty of Education had a session about Teaching and Learning Math in Primary Education for the first year of Grade on Primary Education. There was a practical session where the focus of the discussion was problem solving.

A general session on sustainability of teaching practices at university level was followed in a workshop for teachers of the Science Education Faculty, led by José Gutiérrez and Fátima Poza. Before this session, attendance teachers were invited to read an introductory document.

Two sessions with Diego Pablo Ruiz, teacher of Physics in the University of Granada. One was an introductory session about the contents of his second session.

Another teacher, María Teresa Pérez, led two sessions on Mathematics, particularly on numerical methods. For one of these sessions, participants were invited to use an electronic device with Geogebra installed, in order to work on numerical methods.