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MODELO MEMORIA MOVING MINDS

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Título: FUTURE TEACHERS' COMPETENCIES IN SUSTAINABILITY EDUCATION

## RESUMEN

This research stay has allowed the collaboration between the two departments. In particular, in relation to Education for Sustainable Development (ESD), competences and commitments of future teachers for ESD, as well as science teaching and learning for students in Primary and Secondary Education.

In addition, I have participated in the EduSpring event, organised by the Faculty of Education, University of Turku, on 7th April 2022, with two oral communications:

- "Perceptions, responsibility and willingness to act of secondary school students facing the problem of massive waste generation".
- "Student teachers' views and their competencies in sustainability education".

The second paper is related to one of the lines of research we are currently carrying out jointly, about Finnish and Spanish prospective teachers' views on their teaching competences in ESD. During the months prior to the stay, data were collected from Finnish and Spanish students in both countries. During this stay, the criteria for the analysis of these data have been discussed and established (Picture 1). In fact, research questions for a possible manuscript on the aforementioned topic have been established.

In addition, from this collected data, we agreed on another potential manuscript that may emerge as a result of this collaboration. This second proposal will be related to prospective primary school teachers' views on theoretical content knowledge and pedagogical content knowledge in relation to socio-environmental issues. This manuscript and its research questions emerged from meetings with Professor Eila Jeronen, University of Oulu, Finland.

Furthermore, during my stay, I have actively participated in other specific activities related to the project, which are briefly described below:

- Meetings with some students of Secondary Education, about their research project for Final Degree Projects.
- Presentation on the Primary Education system in Spain for teacher training students and subsequent discussion.

- Meetings with some Primary Education students about their research project for their Final Degree Project.
- Participation in the presentation of future secondary school teachers on climate change education.
- Participation in the EduSpring event mentioned above (Photo 2).
- Attendance at a practical class of students of the Bachelor's Degree in Primary Education, under the supervision of Professor Eila Matikainen, Department of Teacher Education (University of Turku), in the Biology laboratory of the department.
- Attendance at Turun normaalikoulu (the Teacher Training School of the University of Turku) and the International Baccalaureate High School and participation in some of their Biology lessons.
- Meeting with Eila Jeronen at the Teacher Training Department of the University of Turku.
- Meeting with Maaria Tringham, Secondary School teacher, who will collaborate with us in the research about Finnish and Spanish future teachers' views on their teaching competences in education for sustainability.



Photo 1. Meeting with members of the Department of Teacher Education, University of Turku, and the Director of Turun normaalikoulu (the Teacher Training School of the University of Turku).

Photo 2. Participation in EduSpring.