TEDS - Framework for Education for Sustainability: enhancing competencies in Education

Kalle Juuti¹, Anni Loukoumies¹, Jari Lavonen¹, Milla Haäkkinen¹, Patrícia Sá², Ana Isabel Andrade², Jane Machado², Cristina Sá², António Moreira², António Mendes², Betina Lopes², Bruna Batista², Francisco Silva², Filomena Martins², Gabriela Portugal², Helena Araújo e Sá², Manuela Gonçalves², Mónica Lourenço², Nilza Costa², Rui Vieira², Vânia Carlos², Dora François³, Bruno Lebouvier³, Philippe Tanguy³, Carole Voisin³, Vincent Caruana⁴, Mark Mifsud⁴, Estela Dauksiene⁵, Margarita Tereseviciené⁵

1 – University of Helsinki,

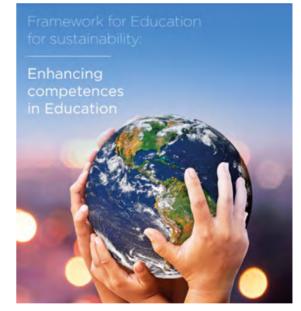
Finland 2 - Department of Education and Psychology & CIDTFF, University of Aveiro 3 - Université de Nantes, France 4 - University of Malta, Malta 5 - Vytautas Magnus University, Lithuania

FIGURE 1

The framework presents some principles to design teaching activities organized by competencies for education for sustainability.

Project TEDS (Teacher education for sustainability) aims the design of proposals for and from in-service teacher education concerning education for sustainability (EduS). Therefore, the project is focused on preparing schools to educate for sustainability through in-service teacher education thus contributing to the EU level goals for a more sustainable society. The project is being developed by a team including researchers from 5 European countries: Portugal, France, Malta, Lithuania and Finland. The first product delivered is a framework based on the interaction between knowledge, skills and values important for the education for sustainability. Four topics were selected: Environment and natural resources, Responsible use of digital technologies, Dialogue, diversity and social inclusion and Economic and financial literacy. The selection of these topics reveals that knowledge related to sustainability is not exclusively centered on the environmental sphere, although this is undeniably a crucial aspect of this concept. The framework was built on the results of the deductive content analysis of policy documents, dissertations, and PhD theses in each country using a software of qualitative analysis developed in the University of Aveiro (webQDA https://www.webqda.net/). This analysis was focused on looking for evidence of the presence of education for sustainability competencies and suggestions to promote sustainability in schools in those documents.

Project TEDS adopted a system of five transversal education competencies for sustainability: i) systemsthinking competency, ii) strategic competency, iii) anticipatory competency, iv) normative competency, and v) interpersonal competency. The framework was the base for the third phase of the project (IO3). This phase demanded the conception, implementation and assessment of teacher education modules involving in-service teachers working with 6 to 17-18 years old students in the five countries taking part in the project.



| DESIGN PRINCIPLE |
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| Understanding the importance of analyzing the role played by people different from us, in society. |
| Previewing consequences (positive and negative) of certain attitudes towards persons or social groups, in terms of understanding the role they play in the human society. |
| Learning to accept that differences are important, because they have positive conse- quences for social balance. |
| Analyzing present norms and values, to identify their possible contribution to dia- logue and social inclusion. |
| Individually or collectively analyzing one's conception of other people/groups, based on the idea of acceptance. |
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