



## Partner Presentation Form

Name of the organisation :	UPV/EHU	<p style="font-size: small;">eman ta zabal zazu</p>  <p style="font-size: large; font-weight: bold;">UPV EHU</p>
Address:	Barrio Sarriena z/g 48940 Leioa Bizkaia	
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Fax:		
Web site:	<a href="http://www.ehu.eus">http://www.ehu.eus</a>	

Name of the contact person :	<i>Kristina Zuza</i>	
Function:	<i>Lecturer and researcher</i>	
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Name of the contact person :	<i>Ane Portillo</i>	
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<b>Type of organisation:</b>							
SME	<input type="checkbox"/>	School	<input type="checkbox"/>	University	<input checked="" type="checkbox"/>	Public Authority	<input type="checkbox"/>
Training	<input type="checkbox"/>	No Profit	<input type="checkbox"/>	NGO	<input type="checkbox"/>		

Other (Specify)	<input type="text"/>
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<b>Fields of action :</b>			
SMEs <input type="checkbox"/>	Youth <input type="checkbox"/>	Universities <input checked="" type="checkbox"/>	Public Authorities <input type="checkbox"/>
Equal opportunities <input type="checkbox"/>	Schools <input type="checkbox"/>	Unemployed <input type="checkbox"/>	
Other (Specify)	<input type="text"/>		

**Description of the organisation**

UPV/EHU is the Public University of the autonomous community of the Basque Country. In the university there are 45000 students, 5400 teachers and researchers. The university is offering 70 degrees, 100 master courses. The university is sited in three campuses around the three capitol cities of the basque autoumous community.  
See: <https://vimeo.com/138845766>

**Experience of the organization in previous European projects**

The organization, have a lot of experience on several European projects. If we put the focus on the research group involved in this project, we have been involved in two Erasmus + projects:

HOPE (Horizons in Physics Education): 2013-3710\_540130-LLP-1-2013-1-FR-ERASMUS-ENW  
L4L (Learning for Life y PBL projects): 2016-1-ES01-KA201-025091

On the other hand, our research group have research projects with several universities in European (KU Leuven, Dublin City University, ...) and in America (Washington University, Universidad de Monterrey,...).

**Experience and Expertise of the organization in the project's subject area**

The research group participating in this project is an expert in the design, implementation and evaluation of STEAM teaching and learning sequences.

**Contributions that can be provided to the project**

The expertise of the groups in the design and implementation of Teaching Learning Sequences in STEAM could be the best contribution of the group involved in this project

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### **Reasons of involvement in the project**

The university in general and the group participating in this project in particular are interested in research-based methodological innovations in STEAM teaching.

The opportunity to get to know and learn from practices in other European universities is a great motivation to participate in this project.

### **Contact Person's Experience and Expertise**

Kristina Zuza Elozegi is Professor of the Department of Applied Physics at the University of the Basque Country - Euskal Herriko Unibertsitatea (UPV-EHU) since October 1, 2003. Between 2003 and 2010 she was an associate professor and shared university teaching with teaching in secondary school, secondary teacher training and curriculum and materials design in the areas of Natural Sciences and Technology in the federation of Ikastolas. Since 2011 she is a full time lecturer in that department and since January 2019 she is permanently hired in the figure of associate professor (contracted doctorate).

She is a member of the Research Group in Physics, Mathematics and Technology Education (GIEFMYT), which has been evaluated as a consolidated research group type A (1st quartile) by the Department of Education, Universities and Research of the Basque Government. She develops research projects (as researcher and PI) funded by the Basque Government, the Ministry and the European Commission. She actively participates in the collaboration that the research group has at international level with universities such as University of Udine, Dublin City University, University of Whashington, Leuven University. He is currently PI of a project funded by the Spanish Government Ministry (FISSEA project (PID2019-105172RB-I00 (2019-2024)) and of an ERASMUS+ project funded by the European Commission (STEAM-Active (2021-1-ES01-KA220-HED-000032107 (2021-2024))).

So far he has supervised two PhD Theses that were defended in 2018 and in 2020. Both obtained the qualification outstanding cum laude and the second of them also obtained international mention. He is currently enrolled in another thesis at the UPV/EHU which is expected to be defended in the academic year 2023.

To date, he has published about forty articles, chapters in books and conference proceedings cataloged in the Web of Science (Physical Review Speech Topics - Physics Education Research, American Journal of physics, European Journal of Physics, Enseñanza de las Ciencias,...), journals in which he also collaborates as a referee. She has participated in about thirty conferences in the area both at national and international level (GIREP, ESERA, AAPT-PERC, APICE, Science Education, ...) having been invited to participate in half a dozen plenary sessions, round tables and symposia. Her experience in congresses is not limited to participation; she has been co-chair of the international congress GIREP-MPTL 2018 held in July 2018 in San Sebastian. Following this congress she has been co-editor of the volume 1076 of the IOP Conference Series.

Her teaching work in the Department of Applied Physics has been both in the degree of Engineering and in the master's degree of secondary teaching, master's degree in which she is coordinator of the specialty of Natural Sciences and Mathematics. She has co-directed 4 Final Degree Projects in the Physics degree and about thirty Master's Degree Projects, four of which have obtained special mentions for the best TFM of the specialty. He also collaborates with the SAE (Educational Advisory Service) of the UPV/EHU in the training of university teachers in active methodologies. Her teaching work has been rated as Excellent (100/100) within the framework of the DOCENTIAZ program for the evaluation of the teaching activity of the teaching staff of the UPV/EHU, thus recognizing the quality and continuous improvement of the work carried out.

She is also involved in the dissemination of science in general and astronomy in particular. She is a member of the Aranzadi Science Society in which she actively participates in courses and events for the dissemination of astronomy. In addition, since 2014, she has been making biweekly collaborations divulging physics in the radio program Ekosfera of EITB.