

UE4SD ACADEMY PROGRAMME RESIDENTIAL



13-15 APRIL 2016

RESIDENCIA UNIVERSITARIA CARMEN DE LA VICTORIA,
GRANADA (SPAIN)

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INTRODUCTION

The context

Sustainable development has been identified as one of the greatest challenges that our societies are facing in the 21st century. Unsustainable practices are increasing social, economic and environmental inequalities; exacerbating the impact of environmental degradation; and limiting quality of life. Our education systems are critical to achieving sustainable development goals: by using Education for Sustainable Development (ESD) they can equip learners with the knowledge, skills and attitudes needed to re-orient social structures and systems towards more sustainable ways of life.

The Higher Education (HE) sector is ideally positioned to address sustainable development as it prepares the future generation of professionals, challenges dominant paradigms and produces ground-breaking research. However, there is evidence that to bring in ESD approaches to re-orient the curriculum, there is a need for more professional guidance for staff who teach and who support learning in HE. Despite interest in ESD, its approaches to learning and education are not yet common practice in the HE sector. There are still large 'translation gaps' in applying ESD ideas in different subjects and courses, so that the learning process can contribute to a sustainable future.

Why an Academy of ESD in HE?

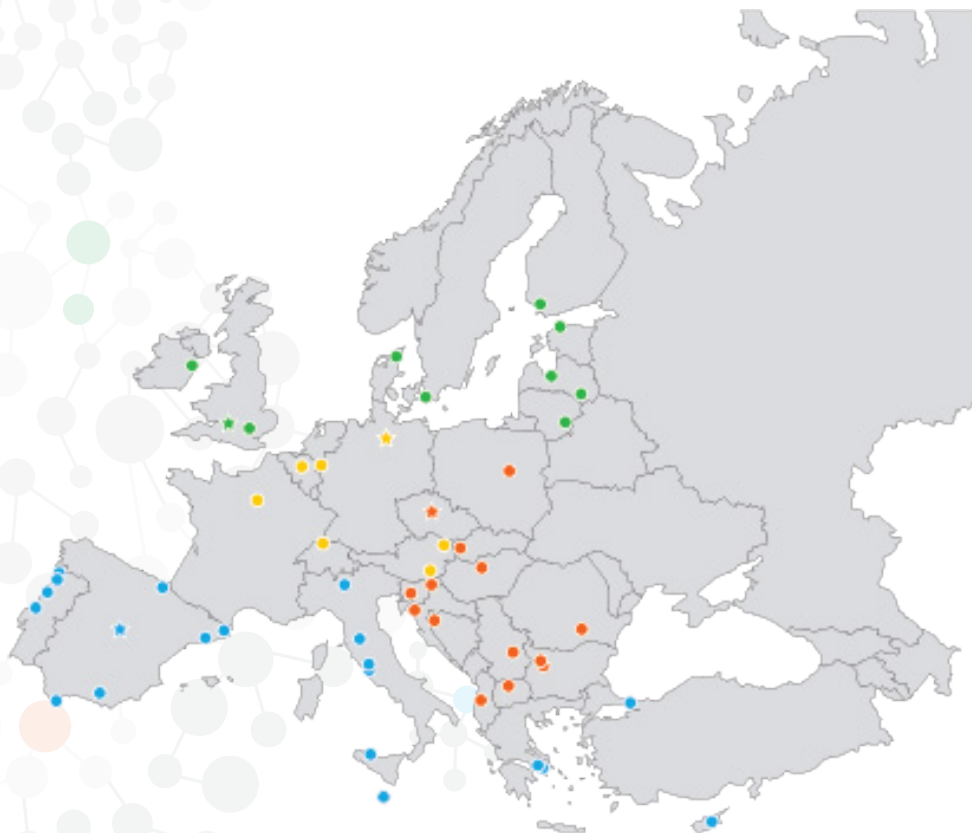
The UE4SD Academy of ESD in HE is a professional development programme developed as part of a three-year project entitled University Educators for Sustainable Development (UE4SD), funded by the European Commission and led by the University of Gloucestershire (United Kingdom) (see box 1). The ultimate goal of the Academy is to support change for sustainability in HE institutions by supporting university educators to develop their own ESD competences. The programme also seeks to develop the participants' leadership and change agency skills needed to facilitate change processes towards sustainability.

The Academy is composed of institutional teams and a support team. Colleagues work together to develop and implement institution-wide change initiatives in ESD professional development that can help university educators rethink their teaching practices and develop core ESD competences. The Academy provides the space, time and support for these teams to think creatively. Teams are mentored throughout the learning process, ensuring that the Academy can generate impact and institutional change.

The concept of the Academy has been inspired by the *Change Academy* and *Green Academy* initiatives led by the Higher Education Academy (HEA) in the UK. The professional development process is informed by principles of distributed leadership, change management, action learning and peer-to-peer learning.

Box 1. THE UE4SD PROJECT

The UE4SD project has been created to advance ESD in HE through professional development for academic staff. The project is funded by the European Commission under the Life Long Learning Programme - Erasmus Academic Networks. It commenced in October 2013 and involves 53 partners (mostly HE institutions) in 33 countries (primarily in Europe) over its three year implementation period. The UE4SD Partnership is a consortium organised into 4 Hubs of partner institutions in their region - North, West, East and South Europe (see partners' map). The UE4SD Steering Group involves staff members from the four institutions that lead the regional Partnership Hubs: University of Gloucestershire, UK (Project Lead and North region); Leuphana University of Lüneburg, Germany (West region); Charles University in Prague, Czech Republic (East region); and, Autonomous University of Madrid, Spain (South region).



The ultimate goal of UE4SD is to establish a leading expert group in ESD competences in HE in Europe and create a platform to combine and share the expertise of network partners so that they can inform policy and practice well beyond the life of the project. UE4SD activities are closely associated with COPERNICUS Alliance - the European Network of Higher Education for Sustainable Development.

UE4SD website: <http://www.ue4sd.eu>

The Academy Trial

The UE4SD Academy is currently being trialed with four pilot universities in Spain: Autonomous University of Barcelona, University of Girona, University of Basque Country and University of Granada. The pilot started in July 2015 and will end in April 2016 after the residential event in Granada. The process has been led by the Autonomous University of Madrid (Spain) with support from the UE4SD Steering Group and UE4SD partners. The results and lessons learned of this trial will serve to develop an Academy framework which can be used to adapt and/or replicate this professional development programme in other places.



THE RESIDENTIAL

The residential event in Granada is designed to support the four pilot institutional teams in the implementation of their ESD initiatives and to reflect jointly on the lessons learned of the Academy process. Each team is composed of four members (including the champions of the initiative, a senior manager, an academic or support staff member) who will be engaged in a vibrant and transformative programme with interactive and hands-on activities to:

- critically reflect on the ESD institutional initiatives and learning processes associated with facilitating change for sustainability
- share and discuss the true nature of the challenges and opportunities of embedding change for sustainability in a higher education institution
- identify key ambitions and map out core steps to achieve these goals
- establish tangible objectives and future action plans
- develop new relationships and create new partnerships for change for sustainability

The residential event has a strong professional development component and seeks to have an impact to each participating institutional member. At the end of the residential programme, we hope that participants will have:

- deepened and strengthened their expertise in ESD in HE
- enhanced their understanding of change processes for sustainability
- increased their confidence and abilities as change agents within their institutions
- further developed skills of analysis, problem solving and creative thinking
- reinforced their abilities to work effectively with key stakeholders and create new relationships

The residential programme includes a diversity of activities, presentations, workshops and panel discussions intended to facilitate the exchange of information between participants. All discussions will take place in a safe environment and in an atmosphere of mutual respect and support. Colleagues will be encouraged to share their ideas in an open manner and respect differing views and opinions. The information shared during the sessions will be treated with discretion and the identity of individuals will be hidden in public reports and any academic outputs arisen from the pilot study.

PROGRAMME

DAY 1 (WEDNESDAY 13 APRIL)

10.00 - 10.30	<p>Welcome</p> <p>M^a Teresa Ortega, Vice-Rector for Social Responsibility, Equality and Inclusiveness, University of Granada (Spain)</p> <p>Prof Daniella Tilbury, UE4SD Project Director and Vice-Chancellor of the University of Gibraltar (Gibraltar)</p> <p>Prof Javier Benayas, Academy Work package leader, Autonomous University of Madrid (Spain).</p>
10.30 - 13.30	<p>Meeting of institutional champions and Academy support team</p> <p>In this meeting, champions of each institutional team will talk about their experiences in designing and implementing their initiatives. Colleagues will share their reflections, challenges, barriers, tensions and opportunities of the change process in their institutions. In a safe environment that promotes trust and mutual respect, champions will describe the real nature of the change challenges.</p> <p>The outcome of this session will include a list of common challenges and opportunities in facilitating change for sustainable development in a higher education institution.</p> <p>After a coffee break, champions will discuss how they plan to facilitate the next 2 days to buy support of key people and establish future collaborations to ensure an effective implementation of their ESD initiatives.</p>
13.30 - 15.00	<p><i>Arrival of all participants</i> <i>Lunch at Residencia Universitaria Carmen de la Victoria.</i></p>
15.00 - 15.30	<p>Ice-breaker</p> <p>Interactive activity to welcome and introduce institutional participants and members of the Academy Support Team.</p>
15.30 - 16.00	<p>The UE4SD Project and Academy of ESD in HE</p> <p>A presentation of the UE4SD project and Academy objectives, methodology and outputs. This session will provide an overview of the next 2 days and indicate where institutional teams should get to at the end of the residential programme.</p>
16.00 - 17.00	<p>ESD in HE</p> <p>An interactive, hands-on session to clarify and explore ESD concepts and processes, and engage participants in discussing the importance and relevance of embedding sustainability principles in higher education.</p>
16.45 - 17.00	<p>Welcome words by Prof. Dorothy Kelly, Vice-Rector for Internationalisation, University of Granada (Spain)</p>

17.15 - 17.30	<i>Coffee break</i>
17.30 - 19.00	<p>Sharing institutional initiatives</p> <p>A creative team-based activity to represent visually each institutional initiative. Institutional teams will be allocated a space to discuss and draw their initiatives. Teams will then take turns to share their posters, explain what their initiatives are about, and what has been progressed to date.</p>
Evening	<i>Social event & dinner in Granada city</i>

DAY 2 (THURSDAY 14 APRIL)

09.30 - 11.00	<p>ESD professional development of university educators</p> <p>Lessons learned from UE4SD key outputs such as the Leading Practice Publication and Online Platform will be shared and discussed with participants of the Academy. The aim of this activity is to discuss what we have learned on ESD professional development in HE for the past 3 years and reflect on how this learning can serve to enhance the quality of institutional initiatives.</p>
11.00 - 11.30	<i>Coffee break</i>
11.30 - 13.30	<p>Snakes and Ladders: Mapping of change process</p> <p>A creative team activity based on the traditional snakes and ladders board game to lay out the steps and roadmap of institutional initiatives. Institutional teams will draw the start and end of their initiatives, identifying all the different steps. Teams will then map out the risks and challenges in getting there (snakes), and opportunities and catalysts (ladders).</p> <p>At the end of the session, teams will take turns to share their visual maps and reflections.</p>
13.30 - 15.00	<i>Lunch at Residencia Universitaria Carmen de la Victoria</i>
15.00 - 16.30	<p>Panel discussion and identification of tangible objectives</p> <p>University vice-rectors and senior managers will be asked to join a panel discussion to reflect on the residential and the change processes for sustainability in their institutions, offer their critical insights and identify possible future avenues and pathways of collaboration.</p> <p>The panel discussion will be followed by an open discussion with the rest of participants to define tangible objectives and future steps to take all the initiatives forward.</p>
16.30 - 17.00	<i>Closure</i>
17.00 - 18.30	<i>Institutional champions to prepare webinar presentation + Interview clips</i>
Evening	<i>Social event & dinner in Granada city</i>

DAY 3 (FRIDAY 15 APRIL)

10.30 - 10.45	Welcome Prof. Javier Villoria, Dean, Educational Sciences Faculty, University of Granada.
10.45 - 12.00	Webinar with UE4SD partners, University of Granada The Academy champions and support team will move to the University of Granada to organise an online seminar with UE4SD partners interested in the Academy process and institutional change initiatives. The online seminar will start with an introduction of the Academy process and residential and will continue with a 10-15 min presentation of each institutional initiative. At the end of the seminar, UE4SD partners will be able ask questions and provide critical feedback on the process of the Academy and the design and implementation of the institutional initiatives.

THE UE4SD SUPPORT TEAM

THE UE4SD SUPPORT TEAM



Daniella Tilbury is the inaugural Vice Chancellor of the University of Gibraltar. She has been formally recognised for her international expertise in leadership, learning and institutional change for sustainable development and is the recipient of several awards including the Macquarie Innovation Award for Research (Australia 2007) and a Marie Curie International Research Fellowship (European Commission 2009). The institutional change efforts for sustainability she led, with the University of Gloucestershire team, were acknowledged with Green Gown Awards in 2009 and 2011.

Daniella was awarded a PhD (University of Cambridge, St Catharine's College) in the early 1990s and has since developed an extensive portfolio of sustainability policy work. She acted as lead evaluator for sustainability policy and strategy projects funded by various international organizations and government agencies. She chaired the UNESCO Global Monitoring and Evaluation Expert Group on Education for Sustainable Development (2005-2014), the IUCN-UNESCO Asia Pacific ESD Indicators Project on Monitoring and Evaluation, the UNESCO Intercultural Understanding in Asia Project and evaluated the WWF China-MOE Education for Sustainability Initiative. She served as a member of the UNECE ESD Competences Expert Group. She is a Principal Fellow of the Higher Education Academy, a Fellow of the Royal Society for the Arts as well as a Foundation Fellow of the Leadership Trust, UK.

Daniella has substantial experience as a higher education advisor and has assessed strategic higher education initiatives for government agencies in Australia, New Zealand, China, Morocco and Europe. She leads the University Educators for Sustainable Development Project (UE4SD), a project generously funded by the European Commission that brings together 53 Universities across Europe, to embed sustainability into teaching and learning.



Alex Ryan is responsible for institutional strategy and leadership at the University of Gloucestershire, working across the institution to embed sustainability thinking and practice into student experience, business operations, academic innovation and public outreach. She leads the RCE Severn - a United Nations University Regional Centre of Expertise for sustainability learning partnerships across the region. Alex acts as Institutional Lead and Academic Co-ordinator for the EC-funded *University Educators for Sustainable Development* project, based at the University of Gloucestershire and working closely with the Steering Group to ensure delivery of key work streams.

Alex has managed several large scale educational change and professional development initiatives at the University, including its award winning *Learning for Sustainable Futures* scheme that supports the integration of Education for Sustainability across the curriculum. She also managed *Leading Curriculum Change for Sustainability*, a national project in partnership with the UK Quality Assurance Agency, to advance Education for Sustainability within university quality assurance systems. Alex is a Senior Fellow of the UK Higher Education Academy, delivering a range of commissioned projects in Education for Sustainable Development, teaching and learning pedagogy, interdisciplinary and flexible learning. She formerly taught with the Open University for 10 years in Religious Studies, is a Fellow of the Royal Society for the Arts (FRSA) and Honorary Research Fellow at Cardiff University



Ingrid Mulà is the coordinator of the European funded project “University Educators for Sustainable Development (UE4SD)” led by the University of Gloucestershire (UK). The project involves 53 partners in 33 countries and seeks to locate and capture efforts to support the development of ESD capabilities of university educators. Ingrid also works at the University of Gibraltar (Gibraltar) as PhD Programme Leader, and is lecturer in the Master of Innovation and Leadership in Education from the University Camilo José Cela (Spain).

Ingrid completed her PhD on social learning, sustainability and institutional change in higher education at the University of Gloucestershire in 2012. Her current research focuses on ESD, curriculum innovation, professional development and organisational management. She has worked for various higher education institutions and international organisations in Spain, France, Germany, Belgium, UK and Malaysia facilitating learning processes that contribute to sustainable development. From 2012-14, she coordinated the COPERNICUS Alliance of Universities in Europe. She is currently an external evaluator of the Andalusian Higher Education Quality Agency.



Barbara Rainbow is the project administrator for UE4SD, based at the University of Gloucestershire and is involved in the administration of the project, including attending and providing support for Steering Group Meetings, Annual Partner Meetings and Annual Conference. Barbara also assists the finance team with the UE4SD finance and partner claims.

Barbara joined the University of Gloucestershire in 2005 as the Administrator for the University's HEFCE funded CETL - the Centre for Active Learning. Following the completion of the project Barbara moved to the University's Centre for Enterprise and Innovation as project officer for the ECIF funded Graduate Challenge scheme and the Sustainability team to co-ordinate activities under the HEFCE LGM project (2010-12). In November 2012, Barbara was appointed as the Co-ordinator and Administrator of the Sustainability Team at the UOG.

Barbara supports an education charity project in Kolkata, India, and for the past 11 years has spent three weeks in the summer as a volunteer with the project.



Javier Benayas is former Vice-rector for Campus and Environmental Quality of Autónoma University of Madrid (2002-2009). He is a Professor of Ecology and has over 20 years of research experience in the fields of evaluation of environmental education, public use management in protected areas and, sustainable development planning for urban areas and human landscape.

From 2002 he has been involved as Executive Secretary at the Sustainability Commission of the Rectors' Association of Spanish Universities (CRUE) and Deputy Director of the Research Institute of Evaluation of Higher Education and Science (INAECU). Javier was the director of the research project (2012) on "Assessment of university sustainability policies as facilitators for the development of International Excellence Campus". He has also been a member of the National Commission, created by the Spanish Ministry of Education that developed the incorporation of sustainability into the Spanish strategy "University 2015".



David Alba is the UE4SD South Hub coordinator and leader of the UE4SD project Quality Assurance work package. He recently completed his PhD in Environmental Education. His thesis proposes an indicator framework to assess the sustainability performance of Spanish universities. His research interests also include sustainability assessment, higher education, urban ecology and local sustainability. From 2000-2006, he was the responsible for Environmental Education and Management at the ECOCAMPUS Office for Autónoma University of Madrid. He then worked as technician at the Spanish Quality Agency for Universities (2008-2010). He is currently an evaluator for the Andalusian Higher Education Quality Agency.



Jana Dlouhá is a researcher in Charles University Environment Centre; editor in chief of *Envigogika* journal; and vice-president of the international network of higher education institutions Copernicus Alliance. She is concerned with transformative education and educational transformation in the light of sustainable development. Her research interests span from sustainability in higher education and regional development, open education resources, to social learning and participatory approaches in public dialogue. Jana is involved in national and international networks and projects of cooperation with universities, NGOs and other social programmes.



Jiri Dlouhy graduated from the Czech Technical University and is currently the Head of the Education department of the Charles University Environment Center. He explores the field of IT technologies and open education resources in ESD from a theoretical and practical point of view. He is a member of the Steering Board of the Sustainability Council of the Czech government, president of the Czech Society for Sustainable Living, member of the Board of the European Environmental Bureau and member of the European ECO forum Coordination Board.



Gerd Michelsen. Born in 1948, he studied economics in Freiburg i.Br. (Germany); gained a PhD in economics and ‘*venia legendi*’ in adult education. From June 1995 to October 2013 Professor for Ecology, Sustainability and Environmental Communication at Leuphana University of Lüneburg, Institute for Sustainability and Environmental Communication; and since November 2014 a Senior professor for Sustainability Science. Other achievements: 1998 B.A.U.M. Scientific Award; UNESCO Chair “Higher Education for Sustainable Development”; research and publications in (higher) education for sustainable development, sustainability and environmental communication, sustainable consumption.



Maik Adomßent is a Senior Research Fellow at the Institute for Environmental and Sustainability Communication/Faculty of Sustainability Sciences, and coordinator of the Complementary Studies Programme at the Leuphana University of Lüneburg, Germany. His activities in teaching and research are centered on (higher) education for sustainable development, biodiversity and nature conservation, and sustainability communication.



Darren Fa is the Director of Academic Programmes and Research of the University of Gibraltar; PhD in Biological Oceanography from the University of Southampton in 1998, he moved to the Gibraltar Museum in 1999 as Education and Research Officer, where he became Deputy Director. He continues to be active in research and has been principal investigator on a number of EU and EFCHED-funded projects, with several of these having received international awards. He has published over 70 peer-reviewed articles in various international journals and book chapters both on ecological and archaeological subjects. As a qualified Scientific Diver he regularly carries out marine-related commissioned studies such as archaeological surveys and Environmental Impact Assessments.

He is a director of the Gibraltar Museum's Gibraltar Caves Project as well as member of the UNESCO WHS working group for the Gorham's Cave Complex. He has also acted as a consultant for the Gibraltar Government and for UNESCO on both heritage and natural-history matters. He has written several popular books and has been regularly consulted for international media articles and television documentaries, on subjects ranging from Neanderthals through marine life to the fortifications of the Rock. Darren is a member of Her Majesty's Government of Gibraltar's Nature Conservancy Council, as well as a Registered European Commission Expert on Environment and Higher Education and Elected Fellow of the Linnaean Society of London



Amaia Fernández is the European and International Funding Officer of the University of Gibraltar. Her career in the field of EU funding began in 2008 as a consultant dedicated to comprehensive R&D and Innovation management for research centres, universities, and private companies; working in FP7, H2020, LIFE and Interreg European funding programmes. Her work entails the identification of funding opportunities and partnerships for the University of Gibraltar; and provision of support to all departments and staff in bidding for external funding from the European Commission, proactively assisting collaborative research and academic development projects across the University. She also liaises with local, regional, national and international funding bodies and counterparts in other universities and institutions.



Christian Camilleri is the Executive and Special Projects Coordinator of the University of Gibraltar. He trained as a chartered accountant at EY (Ernst & Young) Gibraltar and joined the University of Gibraltar in January 2016. His main role is to provide high level support to the Vice-Chancellor and coordinate the University's special projects. Given that the University is at its early stages, the latter role is very varied. It ranges from developing the University's brand guidelines to coordinating international conferences.



Jesús Granados is currently a Lecturer in Geography, Environment and Sustainability in the School of Education, University of Glasgow (2014) and is a core member of CRADALL. Jesus holds a PhD in Education from the Universitat Autònoma de Barcelona (UAB) with a thesis on Education for Sustainability and Teaching Geography. His former academic working experience includes the research and studies coordination of the Global University Network for Innovation (GUNi) (UNESCO-UNU-UPC) (2011- 2013) university teacher in UAB (2004-2011) and Universidad de la Rioja (2003). His research interests include education for sustainability, geography education, community university engagement and innovation in higher education. He acts as the external evaluator for the Universities Educators for Sustainable Development (UE4SD) project.

PARTICIPATING INSTITUTIONS

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UAB

Universitat Autònoma de Barcelona

UAB INITIATIVE (Professional development in sustainability of UAB university educators: connections and effervescence)

The initiative is carried out as part of the Action Plan for Sustainability of the UAB in collaboration with the Vice-Rectorate for Institutional Relations and Territory, the Environment Office and the Complex Research Group. It is aimed to design and implement a virtual space for reflection and action for the development of professional competences in Sustainability and Education for Sustainability linked to an institutional change related to sustainability.

A pilot scheme has been drawn up in order to identify the limitations and opportunities that university educators detect in the development of their competences in Sustainability and Education for Sustainability. The training is planned to take place around practical work areas with an emphasis on participation, encouraging dialogue, debate and exchange of views. The participants are from a wide variety of departments. This pilot scheme has a face workshop followed by a virtual one.

Considering that the process undertaken to design and implement the initiative may be relevant for transferring to other institutions, it has been decided to use a SWOT analysis to collect the reflections that have emerged during the design and implementation process of UAB-Initiative. This analysis will allow us to: (i) detect external and internal University elements that have facilitated and / or hindered the development of the project; (ii) identify the decisions made by the team during the project design; (iii) explain the strengths and weaknesses that universities interested in replicating similar initiative should take into consideration.

Sharing our initiative proposal and the process carried out with the project partners is a great opportunity to evaluate, redesign, and build the institutional space frame addressed to professional development in sustainability at the university level.



Mercè Junyent is a trained biologist and holds a PhD in Pedagogy. She is professor at the Science Education Department at the Universitat Autònoma de Barcelona and coordinator of the Complex Research Group, which is aimed at research, innovation and transfer of education for sustainability, consumer education and science education.

Her main work and research lines are: environmental education and education for sustainability in teacher training; curriculum greening at various levels of education, from primary to higher education; professional competences in education for sustainability.

She has been coordinator of the Interuniversity Doctoral Program in Environmental Education at the Universitat Autònoma de Barcelona.

Currently, she is involved in several national and international networks in Education for Sustainability / Sustainable Development.



Neus Banqué is a PhD in Science Education. She is a specialist science teacher and educational psychologist with a Masters in Science Education Research.

She is assistant professor at the Science Education Department at the Universitat Autònoma de Barcelona and an active researcher of the Complex Research Group, which is aimed at research, innovation and transfer of education for sustainability, consumer education and science education.

Her main work and research lines are: (i) professional competences for the innovation in science education teams; (ii) environmental education and education for sustainability in teacher training; (iii) curriculum greening in the childhood Science education.

She is founding partner of the first social sciences Spin-Off at the Universitat Autònoma de Barcelona: Rizoma Educació Transferència



Lluís Tort is Vice Rector for Strategic Projects and Planning.

He is Professor of Physiology at the Autònoma University of Barcelona (UAB). Doctor in Biology at the UAB, and postdoctoral training at the universities of Bristol (England) and Aberdeen (Scotland). He is former Director of the Department of Cell Biology, Physiology and Immunology and member of the Governing Council of the University. A member of 8 Scientific Societies and until 2014 he was president of the Catalan Society of Biology. In 2015 he was appointed President of the “European Consortium of Innovative Universities”.

With an experience of 30 years in research, he is a specialist in fish physiology, participating in 29 research projects, in particular in all framework programs of the EU since 1995. He leads a team of 8 researchers and has published more than 170 research papers and book chapters. He has acted as evaluator of projects for different international research agencies and he is currently Associate Editor of the journal *Fish Physiology and Biochemistry* and member of the Editorial Board of *Developmental Immunology and Comparative* (Elsevier). He has been invited to meetings and presentations in international conferences on 21 occasions. He has supervised 15 doctoral theses and 26 master theses.



Pere Ysern is the Head of the Environment Office at the

Universitat Autònoma de Barcelona. He holds a PhD. in Biology and a Masters in Environmental Management and Engineering. He has worked in the Chemical Industry and in the Environment Ministry of Catalonia, in training and research. He works actively for the Sustainability group of the Spanish Rectors Conference (CRUE-Sostenibilidad), especially in the assessment of sustainability in universities. He is a member of the Sustainable Campus Working Group of the ECIU (European Consortium of Innovative Universities).



UdG INITIATIVE

The Academy initiative carried out by the Universitat de Girona (UdG) was conceived and designed with the purpose of supporting both coordinators of studies of different areas of knowledge and teachers and research staff to incorporate the perspective of sustainability in the university teaching. Regrettably was impossible to match all the schedules and finally the coordinators of studies meeting will be at the same time of the UE4SD Academy Residential. However, the institutional team with support of the Science Institute of Education of the UdG decided to go ahead with the initiative. We consider the session of this year as a test to work in an improved offer addressed to coordinators of studies and teachers next year.

The initiative session was attended by teachers and research staff from different areas of knowledge. We were working in relation with the concept of Education for Sustainability at the university level, also identifying the aspects of sustainability that they are working in their respective fields of knowledge and linking the different disciplinary perspectives on a shared vision. Challenges, difficulties, strengths and common expectations emerged.



Anna Mª Geli has been Professor of Experimental Science Education at the University of Girona since 1991 and Director of the Research Group of Scientific and Environmental Education. She has a wide experience in university management: academic politics Vice-rector (1993-2002), Dean of the Education and Psychology Faculty (2004), Director of the Specific Education Department (2004- 2005), Rector of the Universitat of Girona (2005-2013) and President of the Sustainability Commission of the Spanish Universities Rectors Conference (2007-2013).

Her main activity is based in the education for sustainability and scientific education as well as in training. In this line, she has been coordinating the ALFA project of the European Commission: “Curricular greening of the High Level Studies” (2001-2004) and Director of the PhD inter-university programme concerning Environmental Education (2000-2004). As a researcher, her research highlighted curricular greening of university studies and compulsory education and teacher training in basic skills for sustainable development. She has supervised several doctoral thesis and amongst her publications features a collection on curricular greening in higher education and several articles in internationally recognized journals, such as the British Educational Research Journal and the International Journal of Sustainability in Higher Education.



Leslie Mahe Collazo Expósito is a member of the Research Group on Scientific and Environmental Education (GRECA) of the University of Girona., where she acts as lecture of experimental sciences from the perspective of innovation, change and improvement of the system under the Master Teacher Training degree. She has participated in several research projects related to teacher education , for example "A Training Model for the Development of Professional Skills in Sustainability Education and Science Education: characterization, implementation and evaluation".

She holds a degree in Biology at the University of Havana (Cuba) and a master degree in Education for Diversity. She is working on a PhD thesis within the doctoral program in Education. In the field of environmental management, she has worked in different environmental strategies, for example Local Agenda 21, in many municipalities of the Havana city. She was the Assistant director and Professor of Environmental Training Workshop for Educators of the Ministry of Science, Technology and Environment of Cuba (1999- 2002).



Jörg R. Zimmer is Professor for the Department of Philosophy. His work at the University of Girona began in 1993, at the Faculty of Arts as a visiting professor of Philosophy and since then he has worked as professor, vice dean, director of the department director of the Chair Walter Benjamin and has been Vice Rector of International Politics at the University of Girona since 2013.

His expertise is in aesthetics, research in aesthetics and in German contemporary philosophy. His teaching is inscribed in the fields of aesthetics, history of contemporary philosophy and theory of dialectics. He has participated as a speaker in many international in Italy, Germany, China or Argentina. He is scientific advisor for the "swamp king Edition" (editorial transcript, Bielefeld, Germany) and has been taking part of the scientific advisory board of the journal "Topos. Beiträge zur Theorie dialektischen Internationale". He was also a member of the board of the International Association of Hegel-Marx Dialectics Thought and a member of the Administrative Council of the "Fondazione Centro di Studi philosophical S. Abbondio" (Switzerland). He is Co-founder of the spin-off UdG "Publishing on demand".



Rosa M. Terradellas Piferrer has been a professor at the University of Girona since 1992. She is a member of the Research Group of the University of Girona in Scientific and Environmental Education (GRECA). Her work has focused primarily on studies of early childhood education teachers and Pedagogy. She specialises in methodologies, teaching and school organization and also in family and school relationships. She has participated in numerous postgraduate and master courses both early childhood education and management and university teaching related, not always in Spain but also in other countries. She has also led and participated in many research projects relating to teacher training (ARMIF 2014-2016) and innovation in nursery and also primary schools (FECYT 2013, 2014, 2015). She is greatly involved in service learning methodology. She has participated in lots of national and international forums demonstrating its application.

She has held various management positions at the university. She has worked as Director of the Educational Science Institute (1992-1998), Associate Dean (2000-2004), Deputy Head of Cooperation (2004-2009), Vice-Rector of Equality, Cooperation and Students (2009-2013) and currently heads the Chair of University Social Responsibility at the University of Girona.

EHU CAMPUS BIZIA Programme: a research/action process for sustainability through staff-academic-student partnership

The Academy initiative proposed by UPV/EHU seeks to develop a collaborative process by designing the EHU Campus Bizia Programme (a Campus Living Lab) to address the sustainability challenges/problems through transdisciplinary approaches to research involving administrative staff, students and academics as researchers and partners.

The EH Campus Bizia Programme is in keeping with the priority lines of the Strategic Plan 2013-2018, along with the IKD educational model (dynamic and cooperative learning) of the University of the Basque Country. The Office of the Vice-Chancellor of Students, Employment and Social Responsibility is supporting this initiative, with the collaboration of the Educational Advisory Service (Vice-Chancellor for Degree Programmes and Innovation).

The EHU Campus Bizia programme will focus on mobilising and generating synergies between the many lecturers who have been working in recent years in the sphere of education for sustainable development in different initiatives and projects at a specific and local level, many of whom have likewise experience in innovation (project/problem-based learning).

EHU Campus Bizia will consist of a research process/action aimed at developing a high impact practice among students (cross-curricular learning based on challenges relating to sustainability) where the academic staff will act as a researcher of their own practice. This high impact practice will be curricular in nature and will be implemented in this first phase through the Final Year Degree Dissertations (TFG) and Master's Degree Dissertations (TFM).

The objectives of the EHU Campus Bizia are to:

- Create a cross-curricular community that works on a cooperative basis to solve unsustainability problems and challenges detected in the campuses.
- Design, develop and assess a work mechanism that enables high impact learning processes linked to sustainability within the EHU campuses to be successfully performed.
- Mobilise and showcase a Campus Living Lab institutional project that, in various stages, will extend its radius of action to all EHU degrees and generate multi-level sustainable practices.

The results expected for the 2016-17 academic year:

- Setting up of a community of academics, service administration staff (PAS) and students that will be specifically involved with education for sustainable development at the University of the Basque Country.
- Materialisation of, at least, 30 Final Year Degree or Master's Degree Dissertations linked to, at least, twenty different degrees at the three EHU campuses.
- Preparation of organisational operating protocols and support materials for supervising and tutoring the TFG and TFM in sustainability. Publication of a website in Basque and Spanish to disseminate the project to gain audience among all the target groups involved.



Aitxiber Zallo is the Sustainability Officer for the Vice-Chancellorship for Students, Employment and Social Responsibility at the UPV/EHU and has worked on implementing sustainability in various university areas (teaching, research and management) since 2011.

She has a degree in Law (UPV/EHU, 2001) and holds the Diploma of Advanced Studies and different post-graduate courses related to sustainability in different areas (Environmental Law, Urban Planning an Environment, Public Administration Procurement). She has been a lecturer in the postgraduate course in the Waste management and processes at the UPV/EHU since 2013. She is involved in several national and international networks in Education for Sustainability like Copernicus Alliance and Spanish inter-university network for teaching and research in ESD.



Miren Onaindía is the Director of the UNESCO Chair on “Sustainable Development and Environmental Education” of the University of the Basque Country (www.ehu.es/cdsea). She has contributed to the development of different activities focused on the transference of science and knowledge. She holds a permanent position at the Department of Plant Biology and Ecology and she is Director of the postgraduate course Master in Environment and Sustainability and editor of the Forum of Sustainability Journal. She is a Member of the Scientific Committee of the Spanish UNESCO-MaB Programme.

She has developed a research line on ecosystem services and their relationship with human well-being. She has published around 70 papers in national and international research journals and book chapters. Also she is participating in various forums around environmental assessments and expert committees for Basque Country Government. She has extensive relationship with international research teams and has been an invited Professor at the University of Oxford/UK, University of Nevada/USA, Santo Domingo/Dominican Republic, University of Veracruz/Mexico, University Costa Rica.



Javier Garaizar is a full professor in Microbiology at the Faculty of Pharmacy in the University of the Basque Country (UPV/EHU) in Vitoria-Gasteiz, Spain. From 2013 he is also serving as Vice-Chancellor of Campus of Alava at the UPV/EHU. Apart of his duties as representative of the university at local and regional level, he is also acting coordinating the Erasmus+ educational programs at the university.



Idoia Fernández is the Director of the Educational Advisory Service of the University of the Basque Country, responsible for faculty development policies and educational innovation. She has participated in the design and development of the educational model of the UPV / EHU (IKD model) and educational development policies in Higher Education. She has a PhD in Education and has been a Professor in the Department of Theory and History of Education in this University since 1989. She has published over her academic career various works in the areas of History of Education in the Basque Country, Gender and Lifelong Learning. Between 2008 and 2011 she led the European Project CREANOVA-Creative Learning and Networking for European Innovation, funded by the EACEA (Education, Audiovisual and Culture Executive Agency) with the participation of eight European countries. In recent years she has published several works in collaboration concerning Factors Conditioning Learning Transfer of Teacher's Training and has led several innovation projects related to Student Engagement. Currently she is a member of the executive committee of the Spanish National Network of University Teaching (RED-U) and the leader of IkasGura Research Team: Educational Change in Higher Education (<http://www.ikasguraehu.es/>) composed of eleven researchers from different disciplines.



Universidad de Granada

UGR INITIATIVE

Unigranovels Program for Sustainability Teacher Competencies in Higher Education

Unigranovels Program for Sustainability Teacher Competencies in Higher Education is focused on design innovation and training program about professional development at the beginning of university teacher career. It is point to improve sustainability competences that promote the collaborative work between novel and senior teachers.

The initiative is carried out as part of the Action Plan for Sustainability of the UGr in collaboration with the Quality, Innovation & Prospective Office and the Environmental & Institutional Evaluation Research Group. It is aimed to design and implement a virtual space for reflection and action for the development of professional competences in Education for Sustainability linked to an institutional change related to sustainability. The Institutional context is launched by Novel Teachers Training Programme UGR.

Specific objectives of the program:

1. Promoting the collaborative training between novel teachers and seniors. The experience of senior teachers with significant trajectories on sustainability in the teaching, researching and management field in Higher Education.
2. Forming an interdisciplinary innovation and training group that favour the transfer of “good practices” between novel and senior teachers.
3. Enriching this plan in a pilot and a generalization phase with cooperation in virtual format of other members of the UE5SD Project.



José Gutiérrez has a PhD in Education. He is a senior lecturer in educational research methods in the Faculty of Education at the University of Granada, where he teaches program evaluation and research methodologies in environmental education. He is the director of PGC of Training Secondary Teachers and Environmental Education and of the Environmental Education Research Group. His research focuses upon the quality criteria evaluation of environmental education centres, educational programs and climate literacy. He is part of the team in RESCLIMA research project. He played a key role in the development of the Spanish National Strategy for Environmental Education. He has published a number of books and is a member of the editorial board of several international environmental education journals. Since 2013 he has been the Head of University Evaluation at Andalusian Higher Education Quality Agency.



Mª Teresa Pozo-Llorente is the Director of Evaluation, Quality and Innovation at the University of Granada since 2007 where she is a senior lecturer in the Faculty of Education. She is a member of the Research Group: “Evaluation in Environmental Education, Social and Institutional” awarded in 2004 with the Second National Prize for Educational Research. Her research focus concerns the narrative-biographical research of institutional assessment and evaluation research programs, centres and teachers. It is part of several national and international networks linked to research projects and cooperation. She is the author of several books and papers on research methodology and is a member of various professional associations in Educational Research. She also participates in various forums, international conferences and debates on quality assessment in Higher Education concluded at European level (European Association for Quality Assurance in Higher Education - ENQA) National (National Agency for Assessment and Accreditation - ANECA) and regional (Andalusian Higher Education Quality Agency).



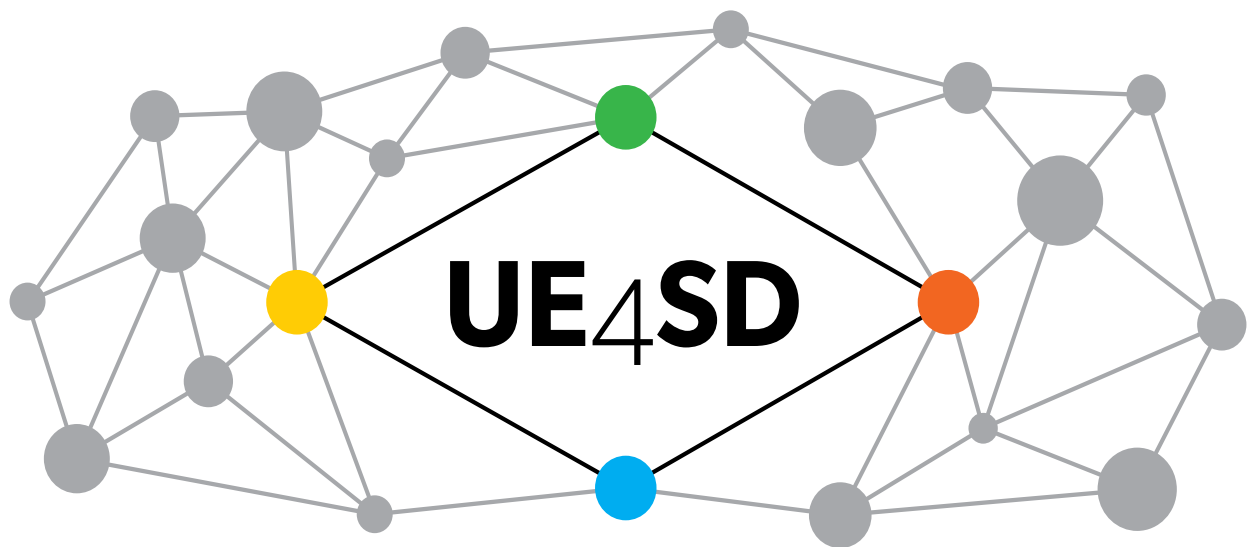
Fátima Poza-Vilches has a PhD in Education. She is a novel lecturer in educational research methods in the Faculty of Education at the University of Granada, where she teaches programme evaluation and research methodologies in social and environmental education. She is a member of the Environmental Education Research Group. Her research focuses upon the quality criteria evaluation of local environmental management, educational programs and social intervention. She is the author of several books and papers on research methodology and social and environmental education. She is a member of various professional associations Educational Research.



Aurora del Río is a Professor in the Department of Mathematical Education at the University of Granada and a member of the research group concerning Mathematical Education and Numerical Reasoning. Her research is focused on Functional Thinking in Students of Primary School. She has published many papers in journals of recognized prestige in the research area, and she has been invited to give research seminars in several universities such as the University of California at Riverside and the Université Catholique de Louvain. She is Director of the Data Office at the Evaluation, Quality and Innovation Vice-Rectorate of University of Granada.



Abigail López-Alcarria received a M.Ed. degree in Pedagogy and carried out a Master in Environmental Education at the University of Granada in 2010 and 2011, respectively. Since December 2011 she has been a PhD. Fellow, working as a researcher for the Environmental Education, Social and Institutional Assessment research group at the Education Research and Diagnosis Methods Department. Her research focus is on Environmental Educational Programs. Her doctoral thesis is entitled: *Quality Evaluation of Curricular Greening*.



UNIVERSITY EDUCATORS FOR SUSTAINABLE DEVELOPMENT



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