

LANDCARE FOR THE FUTURE
THE MEETING POINT BETWEEN STUDENTS AND EDUCATORS

<http://www.landcareforfuture.com>

16-17 JULY, SANTIAGO DE COMPOSTELA
EDUCATION FACULTY, CAMPUS VIDA
PRELIMINARY PROGRAM

MONDAY 16 JULY 2018

8:30-9:30 REGISTRATION

9:30-10:00 PRESENTATION

	<p>MAR LORENZO Vice-Rector University of Santiago de Compostela</p> <p>CECILIA VÁZQUEZ SUÁREZ Head of the Department of Youth, Social Engagement and Volunteering, Xunta de Galicia; Spain</p> <p>AGUSTÍN MERINO Coordinator of the LandCare project, University of Santiago de Compostela, Spain</p> <p>PIETRO BERTOLOTTO Landcare Student Delegate, University of Pisa, Italy</p>
10:00-10:15	<p>Understanding ecological restoration JORDI CORTINA, Chair of the Society for Ecological Restoration</p>
<p>10:15-11:30 METHODOLOGIES AND TOOLS FOR EDUCATION AND TRAINING ON LANDCARE Chair person: Madalena João Dias, Landcare Student, University of Lisboa</p>	
10:15-10:30	<p>Methodologies and ICT: New ways of learning in Landcare Project BEATRIZ CEBREIRO AND CAROL GILLANDERS, University of Santiago de Compostela, Spain</p>
10:30-10:45	<p>Active, self-reflective and active student learning: the portfolio ANDREA GHONEIM, Danube University Krems, Austria</p>
10:45-11:00	<p>Keys to success and challenges of the Master's Programme on Ecosystem Restoration JOSÉ M. REY-BENAYAS, University of Alcalá de Henares, Spain</p>
11:00-11:15	<p>New technological tools for education MARÍA J. MALMIERCA, University of Santiago de Compostela, Spain</p>
11:15-11:30	<p>DISCUSSION</p> <p>Presentation of the poster session: Noemí Santiago</p>
<p>11:30-11:45 COFFEE BREAK (not included in the conference fee)</p>	

11:45-12:30 POSTER PRESENTATIONS: 1) METHODOLOGIES AND TOOLS, 2) THE VISION OF THE STUDENTS

Chair person: Noemí Santiago, Landcare student, University of Santiago de Compostela

Poster 1.1	<p>Enhancement of the abandoned chestnut woodlands by quality swine productions PIETRO BERTOLOTTO, University of Pisa, Italy</p>
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Poster 1.2	Terraces degradation and restoration in the Cinque Terre National Park PIETRO BERTOLOTTI, University of Pisa, Italy
Poster 1.3	The young georgofili blog: sharing ideas for the agriculture of the future PIETRO BERTOLOTTI, University of Pisa, Italy
Poster 1.4	Soil indicators to assess the recovery and restoration strategies in <i>Pinus canariensis</i> c.sm. ex dc. ecosystems IRENE DE LARA DEL REY, University of Pablo Olavide, Spain
Poster 1.5	Rewilding in rural areas and conflictual coexistence with population: the case of feral horses in Aveto regional park (Italy). communication and scientific approach EVELINA ISOLA, University of Genova, Italy
Poster 1.6	Vermicomposting as a sustainable tool for environmental equilibrium EVA LÓPEZ, University of Vigo, Spain
Poster 1.7	Sowing and contribution of organic matter, a route of recovery of fire floods XURXO VÁZQUEZ MONTENEGRO, University of Santiago, Spain
Poster 1.8	JOANA MARINHEIRO JORGE, University of Lisboa, Portugal
Poster 1.9	Coastal erosion and land uses in Mediterranean countries ELINA VASILAKI, National and Kapodistrian University of Athens
Poster 1.10	PATRICIA DOMENECH
12:30-13:45 DEGRADATION AND RESTORATION OF ENVIRONMENTS: THE VISION OF THE STUDENTS Chair person: Pablo Ríos, Landcare Student, University of Santiago de Compostela , and University of Ås, Norway	
12:30-12:45	Terraces degradation and restoration in the Cinque Terre national park PIETRO BERTOLOTTI, University of Pisa, Italy
12:45-13:00	Landcare project, Pisa 2018 IGNATIOS BAFAS, National and Kapodistrian University of Athens, Greece
13:00-13:15	Biochar as amendment for trace elements contaminated soils: The Guadamar case study PALOMA CAMPOS, Instituto de Recursos Naturales y Agrobiología de Sevilla, Spain
13:15-13:30	Toxicological bioassays to evaluate the effectiveness of a decontamination technique for arsenic contaminated waters ANTONIO AGUILAR, University of Granada, Spain
13:30- 13:45	DISCUSSION Presentation of the poster session: Ignatios Bafas
13:45-15:00 LUNCH BREAK (not included in the conference fee)	
15:00-16:00 ENVIRONMENTAL EDUCATION AND AWARENESS Chair person: Ignatios Bafas, Landcare Student, University of Athens	
15:00-15:15	Involvement of small farmers in developing new agronomic technologies to prevent soil degradation and to increase food production and income

15:15-15:30	JORGE ETCHEVERS, Colegio de Postgraduados, Mexico Coming to terms with ecological grief and walking to reconnect
15:30-15:45	ANNA PIGOTT, Swansea University LandCare conversations for Tour Guides
15:45-16:00	SARA BARRENTO, Swansea University, United Kingdom DISCUSSION
16:00-17:30 CAMPFIRE SESSIONS: LANDCARE FOR THE FUTURE	
Chair people: Colleen Fugate, Pietro Bertolotto, Pablo Ríos, Madalena J. Dias, Patricia Domenech, Ignatios Bafas, Noemí Santiago; Joana Marinheiro Jorge	
16:00-17:00	The attendants will work in groups to discuss the following questions: <ul style="list-style-type: none"> • Land degradation and their causes and consequences are properly perceived by the society? • There is enough restoration effort of degraded lands carried out in your country? • Is the teaching of land restoration properly addressed (university/country/...)? • Are the available teaching material appropriated to address the current environmental problems in Europe. What do you miss • Might Land restoration be an emerging labor market and source on employment? • What should be the role of stakeholders (companies, NGO, research center, universities, association, administration,...)? • Do you think that an international network for education and training might contribute to improve the environment quality and fulfil the demands of an emerging labour market.
17:00-17:30-	GENERAL DISCUSSION Presentation of the poster session: Madalena Joao Días
17:30-18:30 POSTER SESSION: ENVIRONMENTAL EDUCATION AND AWARENESS	
Chair person: Madalena Joao Días, Landcare Student, University of Lisboa	
Poster 2.1	Landcare trips on the edge of reality SARA BARRENTO, Center for Sustainable Aquatic Research (CSAR), Swansea, UK
Poster 2.2	Educational activities in the center of conservation and study of nature "Casa das Insúas" ROSARIO BASANTA, I. E.S. Frei Martín Sarmiento, Pontevedra, Spain
Poster 2.3	The desertification is a global environmental problem, but it requires a local education training FELIPE GARCÍA-OLIVA, Universidad Nacional Autónoma de México (UNAM), México
Poster 2.4	Student network of ecological restoration: a scientific niche for young Costa Rican researchers interested in endemic species vulnerable to climate change WALTER HERNÁNDEZ, Student Network of Ecological Restoration, San José, Costa Rica
Poster 2.5	Landscape restoration for leisure parque do Lago: mount Gaiás, city of culture. Santiago 2015 MERCEDES MÁQUEZ, Research Group Escola Galega da Paisaxe da Fundación Juana

	de Vega, Spain
Poster 2.6	The restored mine of As Pontes (Spain): the educational possibilities AGUSTÍN MERINO, University of Santiago de Compostela, Spain
Poster 2.7	Combining scientific analysis and education to raise awareness about environmental contamination and degradation VERÓNICA PIÑEIRO, University of Santiago de Compostela, Spain
Poster 2.8	Fire impacts and soil painting: a teaching project ESTELA MINTOS MOREU, I.E.S. Pontepedriña, Santiago de Compostela, Spain
Poster 2.9	The traveling forest: taking the preservation of biodiversity out for a field trip CONCHI SÁNCHEZ, Instituto de Investigaciones Agrobiológicas de Galicia (IIAG-CSIC), Santiago de Compostela, Spain
Poster 2.10	Tourism opportunities along the berg river – a journey from source to sea NICOLE WAGNER, Western Cape Department of Agriculture, Western Cape, South Africa
Poster 2.11	Lessons learnt after mining restoration: success and failure through PBL cases in el Bierzo coalfield (NW León, Spain) SARA ALCALDE, University of León, Spain
Poster 2.12	Heritage based restoration of a former mining site, Rudabánya, Hungary GABRIELA SÓGOR, Jardim Botânico da Ajuda, Lisboa
Poster 2.13	Macao's Mangroves: from scientific research to environmental education KAREN TAGULAO, University of St. Joseph, Macao SAR China
Poster 2.14	Activities of the teaching section of soil science in relation to soil knowledge and protection MARÍA D. SORIANO, Universitat Politècnica de València, Valencia, Spain
Poster 2.15	The educational challenges in environmental degradation MARTA MARTÍNEZ, NOEMÍ SANTIAGO, University of Santiago de Compostela
Poste 2.16	Land conversion and animal husbandry: increasing anxieties on soil and ecosystem health GINA PANGGA, University of the Philippines Los Baños, Laguna, Philippines
Poster 2.17	Indigenous and restorative farming technologies for the improvement of soil quality: learning experiences with farmers GINA PANGGA, University of the Philippines Los Baños, Laguna, Philippines
Poster 2.18	

TUESDAY, 17 JULY 2018

<p>9:00-11:15 DEGRADATION AND RESTORATION OF ENVIRONMENTS: THE VISION OF THE EDUCATORS Chair person: Colleen Fugate, Landcare Student, University of <u>Santiago de Compostela</u></p>	
9:00-9:15	<p>Bringing soil- and geo-sciences to society from different positions during an academic career JORGE MATAIX SOLERA, Spanish Soil Science Society</p>
9:15-9:30	<p>The AEET working group on ecological restoration CAROLINA MARTÍNEZ, Spanish Association of Terrestrial Ecology</p>
9:30-9:45	<p>Learning to argue about socioenvironmental issues through the practices of modeling. the case of bees BLANCA PUIG, University of Santiago de Compostela, Spain</p>
9:45-10:00	<p>FLUVIO: a breaking-through international training doctoral program to restore rivers and riverscapes TERESA FERREIRA, University of Lisbon, Portugal</p>
10:00-10:15	<p>When teens meet toads: secondary school students and the conservation of amphibians SEBASTIAN SALVIDIO, Istituto di Istruzione Superiore "B. Marsano", Genova, Italia</p>
10:15-10:30	<p>DISCUSSION</p> <p>Presentation of the poster session: Marta Martínez and Xurxo Vázquez</p>
<p>10:30-11:00 BREAK</p>	
<p>11:00-12.00 POSTER SESSION: 1) THE VISION OF EDUCATORS AND 2) THE SOCIETY ENGAGEMENT Chair person: Marta Martínez Carral, Landcare student, University of Santiago de Compostela Chair person: Xurxo Vázquez, Landcare student, University of Santiago de Compostela</p>	
Poster 3.1	<p>1) THE VISION OF EDUCATORS Ecological restoration in Mexico: Efforts and perspectives JULIO CAMPO, Universidad Nacional Autónoma de México (UNAM), México</p>
Poster 3.2	<p>Educational actions related with the effects of wildfire and different rehabilitation techniques on the soil-plant system (Galicia, NW Spain) MONTSERRAT DÍAZ-RAVIÑA, Instituto de Investigaciones Agrobiológicas de Galicia (IIAG-CSIC), Santiago de Compostela, Spain</p>
Poster 3.3	<p>The territorial delegation of the Spanish soil society in Galicia (NW Spain): educational activities MONTSERRAT DÍAZ-RAVIÑA, Instituto de Investigaciones Agrobiológicas de Galicia (IIAG-CSIC), Santiago de Compostela, Spain</p>
Poster 3.4	<p>Degraded land rehabilitation experience in the republic of Rwanda MARIA L. FERNÁNDEZ MARCOS, University of Santiago de Compostela, Spain</p>
Poster 3.5	<p>Experiences in research & post-graduated education in latin-america JUAN F. GALLARDO, C.S.I.C., Ex-Prof. & Senior Researcher, Salamanca, Spain</p>
Poster 3.6	<p>Testing the short-term hydroseeding effect on plant diversity after mining restoration CAROLINA MARTÍNEZ, University of Valladolid, Spain</p>

Poster 3.7	Innovative soil strategies for addressing knowledge gaps and enhancing training capabilities in post-mining restoration MIRIAM MUÑOZ-ROJAS University of Western Australia, Crawley, Australia
Poster 3.8	The educational activities of the Galician institute of agrobiological research (IIAG) CONCHI SÁNCHEZ, Instituto de Investigaciones Agrobiológicas de Galicia (IIAG-CSIC), Santiago de Compostela, Spain
Poster 3.9	Designing your own experiment on fire effects on soils CRISTINA SANTÍN, Swansea University, Swansea, United Kingdom
Poster 3.10	Teaching land restoration at the Department of Soil Science-USC MARÍA T. BARRAL, University of Santiago de Compostela, Spain
Poster 3.11	Designing of educational activities in Nature, Master at the USC EUGENIO OTERO URTAZA, , University of Santiago de Compostela, Spain
Poster 3.12	Bringing soil- and geo-sciences to society from different positions during an academic career JORGE MATAIX-SOLERA, University Miguel Hernández, Alicante, Spain
Poster 3.13	The application of sewage sludge for soil remediation: the educational possibilities of young soil scientists COLLINS OGUTU MIRUKA, Sol Plaatje University, Kimberley, South Africa
Poster 4.1	Water movement and potential conductivity in the root zone of agricultural soils AMEER ABDELMONEM, Menoufia university, Egypt.
Poster 4.2	<hr/> 2) THE SOCIETY ENGAGEMENT
Poster 4.3	Life evergreen with volunteer-lewo project life MARÍA J. LÓPEZ CERNADAS, Dirección Xeral de Xuventude, Participación e Voluntariado,.Xunta de Galicia, Spain
Poster 4.4	Living Lands, volunteer experience PABLO RIOS, University of Santiago de Compostela, Spain
Poster 4.5	Ibaitik Badiara, from the river to the bay, soil and water bioengineering and training workshops PAOLA SANGALLI, European Federation of Soil and Water Bioengineering
Poster 4.6	Forestry volunteering for the recuperation of burned areas in Tourón (Melón, Ourense) ÁNGEL VÁZQUEZ DORRIO, Amigos da Terra, Spain
Poster 4.7	Activities of Landcare Students at West Systems ILARIA MINARDI, West System, Italy
Poster 4.8	"Plantando cara ó Lume" university volunteering against wildfires in Galicia NOEMÍ SANTIAGO, University of Santiago de Compostela, Spain
Poster 4.9	Risk areas for climate stress in coffee crops in Veracruz, Mexico

Poster 4.10	<p>JOSÉ GERVASIO PARTIDA-SEDAS, Universidad Autónoma Chapingo, Veracruz, México</p> <p>OINEZ BASOA: A network of afforested land by schools in Navarre. assessment and development of educational projects</p> <p>ISABEL DE SOTO, Universidad Pública de Navarra, Spain</p>	
<p>12:00-13:45 DEGRADATION AND RESTORATION OF ENVIRONMENTS: THE SOCIETY ENGAGEMENT</p> <p>Chair person: Joana Marinheiro Jorge, Landcare Student, University of Lisboa</p>		
12:00-12:15	<p>Service-Learning and Social Responsibility of the University</p> <p>MIGUEL A. SANTOS, University of Santiago de Compostela, Spain</p>	
12:15-12:30	<p>Collaborative NGO-academic teaching experience in Landcare for native vegetation conservation</p> <p>PATRICIA RODRÍGUEZ-GONZÁLEZ, University of Lisboa, Portugal</p>	
12:30-12:45	<p>Soil and Water bioengineering in the Mediterranean AREA: The ECOMED Project</p> <p>PAOLA SANGALLI, European Federation for Soil Bioengineering</p>	
12:45-13:00	<p>Education in nature and eco-therapy as guides to refugee education</p> <p>COLLEEN FUGATE, University of Santiago de Compostela, Spain</p>	
13:00-13:15	<p>NATURA OBSERVA: an enviromental volunteer program in Sintra-Cascais natural park</p> <p>RITA MARAU, University of Lisboa, Portugal</p>	
13:15-13:30	<p>The design of the arboreum stratum in cafetals based on local knowledge: learning experience in agroforestry</p> <p>EMILIANO PÉREZ PORTILLA, Universidad Autónoma Chapingo, Mexico</p>	
13:30-13:45	<p>DISCUSSION</p>	
<p>13:45-15:00 LUNCH BREAK (not included in the conference fee)</p>		
<p>15:00-18:00 SHORT TRAINING COURSES</p>		
<p>EDUCATIONAL VIDEO PRODUCTION FOR FLIPPED LEARNING AND MOOCS"</p> <p>Contents:</p> <ul style="list-style-type: none"> • Flipped learning • MOOCs vs SPOCs (Massive Open Online Courses vs Small Private Online Courses) • Educational video basics <ul style="list-style-type: none"> Script, still images, video sequences, soundsAudio / video devices to record video and still imagesRecording the video: light, focus, sizes, formats. Chroma effect. Basic use. Basic editing video with free / Open Source software Free image / sound repositories. Licenses and uses. <p>M. José Rodríguez Malmierca Director of Department e-learning CESGA Research Group Educational Technology</p>	<p>EMPLOYMENT AND ENTREPRENEURSHIP IN LANDCARE</p> <ul style="list-style-type: none"> - Business model generation - Lean startup methodology - lean canvas <p>GLORIA CRUZ</p> <p>JOSÉ M. REBOLO</p> <p>PATRICIA GONZÁLEZ</p>	



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

<p>University of Santiago de Compostela</p> <p>Lorena Casal Otero Teacher Faculty of Education Sciences Research Group Educational Technology University of Santiago de Compostela</p> <p>Diego Nieto Caride Technical analyst o e-learning CESGA</p>	
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WEDNESDAY 18 JULY 2018

SHORT TRAINING COURSES: FIELD TRIPS (the lunch is not included in the conference fee)	
<p>MOUNT GAIÁS, CITY OF CULTURE MERCEDES MÁQUEZ</p> <p>SOIL CONTAMINATION: THE TORO MINE IN PROCESS OF RESTORATION</p> <p>JUAN ANTELO FELIPE MACÍAS PATRICIA DOMENECH MARÍA L. FERNÁNDEZ MARCOS</p> <p>EMERGENCY TREATMENTS AFTER FOREST FIRES: THE CASE OF MONTE FARO</p> <p>JOSÉ A. VEGA VICENTE OTERO NOEMÍ SANTIAGO CRISTINA SANTÍN MARÍA T. FONTURBEL BEATRIZ OMIL OTILIA REYES</p>	<p>MOUNT GAIÁS, CITY OF CULTURE MERCEDES MÁQUEZ</p> <p>EDUCATIONAL POSSIBILITIES OF AS PONTES MINE</p> <p>RAMÓN VALLE AGUSTÍN MERINO PATRICIA RODRÍGUEZ-GONZÁLEZ JUAN DÍAZ PAZOS</p> <p>DONIÑOS'S DUNE SYSTEM AND WETLANDS: FACING UP THE GLOBAL CHANGE AND THE TOURISM CHALLENGES</p> <p>RAMON DÍAZ-VARELA ELEANA KARKANI PATRICIA RODRÍGUEZ-GONZÁLEZ</p>

LANDCARE FOR THE FUTURE STANDS

1. LANDCARE PROJECT

UNIVERSITY OF SANTIAGO DE COMPOSTELA-USC

1. Landcare Project: General presentation
2. Learning about post-fire treatments in the Landcare project

LANDCARE STUDENTS

FOREST RESEARCH CENTRE OF LOURIZÁN

1. Educational actions related with the effects of wildfire and different rehabilitation techniques on the soil-plant system
2. Soil conservation after wildfires

M. TERESA FONTÚRBEL

NATIONAL AND KAPADISTRIAN UNIVERSITY OF ATHENS-UoA

1A flexible personal learning environment to foster learner-centred pedagogical approaches in land rehabilitation

2 Learning about coastal areas rehabilitation in the Landcare project

NIKI EVELPIDOU, ELENA KARKANI

CNR-ISE PISA

1. Soil contamination and decontamination in the Landcare project
2. Educational videos as a tool in the Landcare project

GRAZIANA MASCIANDARO, SERENA DONI

UNIVERSITY OF LISBOA-ULISBOA

1. Learning about rivers and wetlands conservation in the Landcare project

2. Handbook: Best practices on Land Degradation and Restoration in Mediterranean Environments

TERESA FERREIRA, PATRICIA RODRÍGUEZ GONZÁLEZ

EMPRESA DE DESENVOLVIMENTO E INFRA-STRUCTURA DO ALQUEDA-EDIA

1. Possibilities of education on River restoration

2. Development of measures to minimize environmental impacts in Alqueva irrigate areas: hedge planting, riparian galleries and intercropping

LUISA PINTO AND HELENA BARBOSA

ARCHIPELAGO

1. Archipelagos institute of marine conservation

2. Landcare students participating in land restoration, environmental education and marine and terrestrial monitoring

3. Volunteering as a strategy to align youth formation with society and environment

ANASTASIA MILIOU

WEST SYSTEM

1. Landfill biogas monitoring: a procedure to evaluate environmental sanitary risk assessment

2. Activities of Landcare students at west systems

ILARIA MINARDI AND SARA VICIGUERRA

FUNDACIÓN, FIRE

FIELDS FOR LIFE, MIRIAM PAJARES

THE EUROPEAN FEDERATION OF SOIL BIOENGINEERING EFIB

PAOLA SANGALLI

SPANISH SOIL SCIENCE SOCIETY-GALICIA

MONTserrat DÍAZ-RAVIÑA, M. TERESA BARRAL



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GAME THEORY AND SOCIAL CARTOGRAPHY FOR LANDSCAPE RESTORATION

ANTONIO SUAREZ

XUVENCIENCIA – PROMOTING SCIENCE AMONG YOUNG PEOPLE

WAJIH AL-SOUFI, University of Santiago de Compostela