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# **Experiences from participant students of the Training school “Land Rehabilitation of Degraded Environments” in Spain**

## **LANDCARE Erasmus+ project**

**Monday, 20 March 2017**  
**Faculty of Geology and Geoenvironment**  
**University of Athens**

➤ **Where:** Lugo, NW Spain, Galicia region

➤ **When:** 4-15 April 2016

➤ **Who:** 4 Universities

❖ Spain: Universidade de Santiago de Compostela, Campus de Lugo

❖ Greece: NKUA, National Kapodistrian University of Athens

❖ Portugal: Universidade de Lisboa

❖ Italy: University of Pisa, Consiglio Nazionale delle Ricerche, Institute of Ecosystem Study





# LANDCARE partnership

- 4 UNIVERSITIES
- 4 PROFESSIONAL PARTNERS



➤ **Participants:** 16 Students, MSc or undergraduate in Biology, Forest Science, Forest Engineering, Environmental Sciences, Geology, Civil Engineering and Industrial Biotechnology

(3 Greece, 4 Portugal, 3 Italy, 5 Spain, 1 Germany)

➤ **Accommodation:** Students Residence Abeiro & Hidrobiology Field Station

➤ **Lessons:** Polytechnic School in Campus de Lugo, Cactus building





# Greek Landcare Team

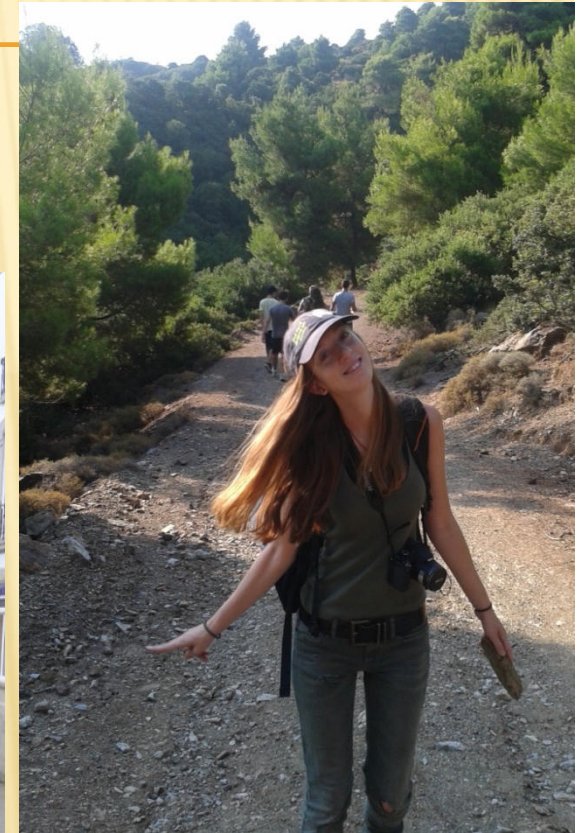


**Nancy  
Kazantzoglou**

**Geologist, post graduate  
student at Environmental  
Management & Mineral  
Resources, NKUA**

**Maria Manousaki**

**Geologist, MSc "Environmental,  
Disaster & Crisis Management  
Strategies"**



**Eirini**

**Koumoutsea**

**Undergraduate student at  
Geology &  
Geoenvironment, NKUA**

# SUBJECTS

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- ❑ Land degradation processes and rehabilitation: general issues
- ❑ Forest Degradation: definition and quantification in the international context
- ❑ Soil contamination and rehabilitation of contaminated sites
- ❑ Land uses and soil-water conservation
- ❑ Wetlands and inland waters (rivers, lakes, reservoirs)



# SUBJECTS

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- ❑ Coastal systems and rehabilitation
- ❑ Wildfires: degradation processes and rehabilitation techniques
- ❑ Land Rehabilitation & Rural development
- ❑ Employability in Landcare (CV)
- ❑ Entrepreneurship in Land Rehabilitation  
(how to set up your own business)

# COURSE MATERIAL

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- ❖ Specific chapters developed by the teachers
- ❖ Lessons through speeches, powerpoint, video
- ❖ Study questions and homeworks
- ❖ Practices in classroom (e.g. environmental remote sensing), laboratories
- ❖ Field work with real case studies
- ❖ Practice guides



# THE STRUCTURE OF THE ACTIVITIES

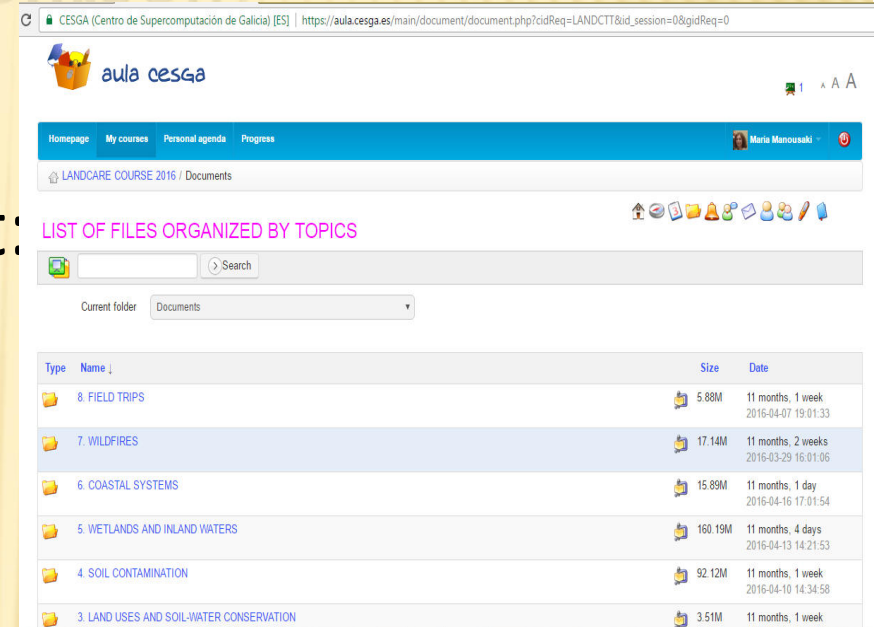
## (Intensive Course!!)

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- Introduction to the virtual learning tools
- **Classroom training (6 days)** comprising theoretical background together with a strong component of application exercises (computer, laboratory work)
- **Field work with teachers (4 days).** Case studies in real conditions, exercises.

# THE STRUCTURE OF THE ACTIVITIES (Intensive Course!!)

- **Flexible online training.**  
The study had carried out:
  - preparation activities
  - exercises
  - personal activities
  - interactions teacher-students
  - Activities had to be done before, during and after the intensive programme
  - **Thesis** from a specific topic of the course





# CLASSROOM ACTIVITIES





# GIS Activities, LABS, Field Work (pH measurements, Soil Sampling)









# Field Trip 1. Land Use & Environment (Soil Sampling)





# Field Trip 2α: Soil Contamination (Mine Reclamation, As Ponte Mine by Endesa Company)





# Field Trip 2a: Water Land Systems





# Field Trip 3a: Rehabilitation After Wildfire





# Field Trip 3b: River Bank Rehabilitation





# Field Trip 4: Dunes + Lagoon (Corrubedo Natural Park)





Xornal » O Campus Terra da USC forma estudantes e docentes europeos en restauración de solos degradados co proxecto Landcare

## Seccións

Xornal

Resumos de prensa

Axendas

Publicacións

Entrevistas

Opinión

Entrevistas

Opinión

Aconteceu

Taboleiro

Redacción

## O Campus Terra da USC forma estudantes e docentes europeos en restauración de solos degradados co proxecto Landcare

Andrés Barreiro, Agustín Merino e Tomás Cuesta ofrecen unha recepción na Escola Politécnica aos estudantes europeos que participan no programa

Actualizada: 04-04-2016 14:32



Cuesta, Barreiro e Merino durante o curso de restauración de solos degradados.

catro universidades e out

O Campus Terra da USC forma estudantes europeos na recuperación de solos degradados contaminados a través dun programa de proxecto europeo de degradación de solos mediterráneos e de recuperación de solos degradados.



Durante os vindeiros días profesores e estudantes de Italia, Grecia, Alemaña ou México coñecerán experiencias desenvolvidas na provincia da Coruña

Los hermanos Corral Castro, actuales responsables del Galicia.



Los profesores y estudiantes internacionales, durante su visita al lago de As Pontes.

## El lago pontés, un proyecto ambiental único

► Un grupo de estudantes y profesores internacionales visitó este emplazamiento con el programa Landcare

AS PONTES

M.M. AS PONTES. El lago de As Pontes fue ayer el escenario de una de las

que proceden de países tan dispares como Portugal, Italia, Grecia, Alemaña, México, India o España, puedan estudar iniciativas de recuperación de terrenos degradados. Ya sea por incendios,

tal y como señalan desde el ente provincial, una de las entidades que colabora con este proxecto de carácter europeo, que trabaja a través de módulos en internet (e-learning) y de outras estratexias,

constitúyese ademais «un excelente laboratorio para a formación de especialistas».

OTRAS VISITAS. Este grupo de investigadores internacionales no

Os participantes no programa visitan hoxe o lago das Pontes, "un dos maiores retos ambientais do mundo"

## A Deputación colabora co proxecto europeo Landcare na formación de técnicos internacionais en restauración de terreos degradados

**08 de Abril de 2016-** Desde hoxe venres ata o martes 12 de abril, un grupo de 15 profesores e estudantes universitarios de varios países (Portugal, Italia, Grecia, Alemaña, México, India e España) visitarán diferentes áreas da provincia da Coruña como a contorna rehabilitada da mina das Pontes, o monte do Pedroso en Santiago ou as dunas de Corrubedo, en Ribeira, para estudar iniciativas de recuperación de terreos degradados dentro do [programa europeo Landcare](#), no que colaboran a Deputación da Coruña e a Universidade de Santiago.

Para Galicia, e para a provincia da Coruña en particular, o proxecto permitirá formar e contribuír a preservar ou recuperar os valiosos ecosistemas que alberga. A contorna rehabilitada da mina das Pontes que visitan durante a súa estancia "é un dos maiores retos ambientais do mundo", segundo afirma o Agustín Merino, coordinador da iniciativa, que considera que "constitúe un laboratorio para a formación de especialistas".

**Pepe Penabaz oferecenda de espectáculos en Momán y Guitiriz**

C.A. XERAMADEGUITIRIZ. Pepe Penabaz ofrece un programa de espectáculos en Momán y Guitiriz. El primero será en Momán, en el marco de la celebración del primer aniversario de la Asociación de Mujeres Rurales Santiaguenses. El segundo está programado para mañana en Guitiriz. En Momán, la actuación será a las 18.30 horas, con el espectáculo "Rodrigo de Rivas. O alcaide", una obra de teatro incluida en el programa de actividades del programa cultural de la Diputación. En Guitiriz, Pepe Penabaz será el protagonista de la actuación teatral "Dura Ley", crítica al sistema judicial interpretada por la propia Volpe y Dalia Tejada. La cita, que será a las 20 horas en la Casa Habi, está organizada por el Ayuntamiento de Guitiriz. Porque a Rita do Menor, Deusa de Ser Peonil. Dura Ley será un coloquio sobre temas judiciales, en el que participarán los profesores de



# BENEFITS

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- ✓ Specific knowledge and skills concerning the forementioned subjects
- ✓ New skills about remote sensing-GIS in land degradation
- ✓ New techniques in learning (e-learning lessons)
- ✓ Field experiences
- ✓ Similarities and differences in land degradation among the 4 Mediterranean countries



# BENEFITS

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- ✓ Chance to present ourselves and the situation in land degradation and rehabilitation of each country
- ✓ **Internships** (10 internships were given for training, in 4 countries, in 4 companies, for 1 month, young employability, working experience)
- ✓ How to make a **European CV**, search for a job abroad
- ✓ Improved our English language skills



# The “Other Side” of Landcare project

Taste local and other countries cuisine



A Greek-Italian-Spanish-Portuguese-Japanese evening in Greek apartment





# Collaborating (in every way)





# Learning about the Spanish Culture (and the other cultures)



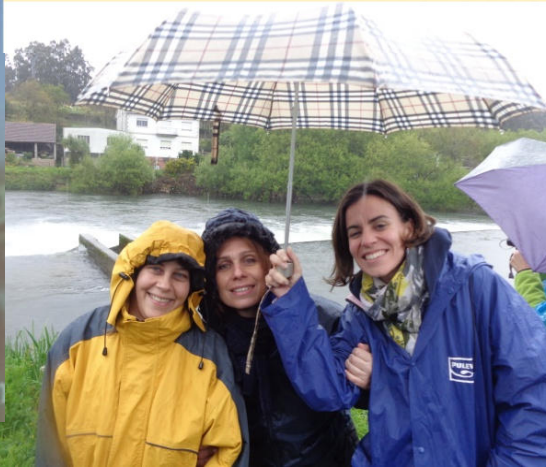


# Meeting other Universities (SDC, Campus de Lugo) & students





# Meeting great new people





# **SANTIAGO' S WAY** (Peregrino soy a Santiago voy)

a unique experience of walking 6/780 km of Santiago' s way, into the forest, under rain, mud and snow



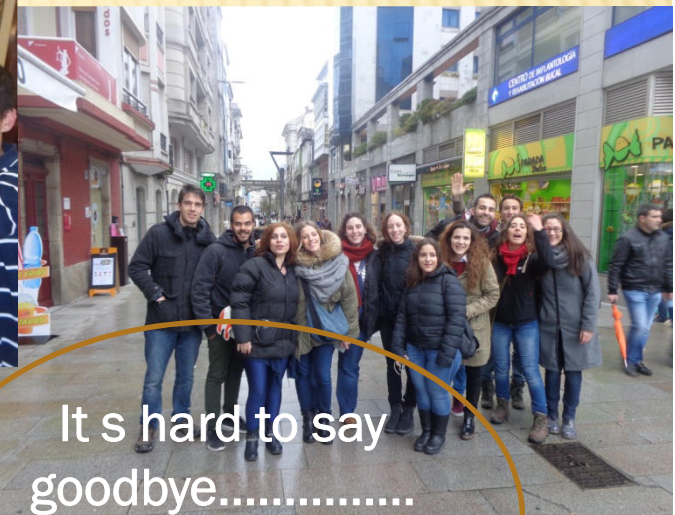


# TURISM (just a little bit in Lugo, SDC, Finistera)





# Having happy moments & making new friendships



It's hard to say  
goodbye.....  
.....but we'll  
meet again







For all these.....**THANK YOU**

**NIKI** and **LANDCARE** for our unique experiences in Spain

**GRACIAS**

**AUGUSTIN** for the very warm hospitality







# WELLCOME LANDCARE 2

Καλώς ήρθατε

**Naxos island, Greece, 20-31 March 2017**

Open your mind kids.....  
grab the chances.....  
take a lot of photos.....  
have fun .....  
socialize.....  
**Come back to GREECE**