

# SARDINIA SUMMER SCHOOL



**uniss**  
UNIVERSITÀ DEGLI STUDI DI SASSARI

**CLIMATE CHANGE AND LAND DEGRADATION NEUTRALITY:  
MODELLING TOOLS AND INTEGRATED APPROACHES**



**UniNuoro**  
Consorzio Universitario Nuoro

**NUORO, SARDINIA, ITALY  
JULY 17-21, 2017**

# SARDINIA SUMMER SCHOOL

July 17-21, 2017

Nuoro, Italy

[www.uninuoro.it/summerschool](http://www.uninuoro.it/summerschool)

## OBJECTIVES PROGRAMS AND TARGETS

The concept of “Land degradation neutrality” - LDN - was proposed by the UNCCD as a central objective in the context of the sustainable development goals. However, LDN has not been investigated in detail at the higher levels of scientific research and education. The scientific debate on this topic is of interest at the scientific community level including the IPCC (Intergovernmental Panel on Climate Change) as it is relevant also for the proposed climate change mitigation policies. For instance, forecasts on the impact of climate change on agricultural and forestry systems developed by the worldwide scientific community do not take into account medium and long-term effects of climate change on soil organic carbon dynamics. Soil organic matter dynamics strongly affect the agronomic fertility, hydrology and even the mitigation potential of

greenhouse gas emissions. The summer school is designed to address these issues by integrating the application of tools for quantitative analysis (mathematical models) with discussion on case studies, to improve the participants' ability to critically understand the complex interactions between biophysical and social processes that characterize sustainable development in a context of climate change.

*<http://www.unccd.int/en/programmes/RioConventions/RioPlus20/Pages/Land-DegradationNeutralWorld.aspx>*

*United Nation Convention to Combat Desertification  
([www.unccd.int](http://www.unccd.int))*

*<http://www.un.org/sustainabledevelopment/sustainable-development-goals/>*

*<https://www.ipcc.ch/>*



## LECTURERS

**Pier Paolo ROGGERO**

*Director of Desertification Research Centre  
NRD, University of Sassari  
Sassari (Italy)*

*Topic: Designing adaptive responses to climate  
change in agricultural systems*

**Giuseppe CORTI**

*Department of Agricultural, Food and Env. Sciences  
Università Politecnica delle Marche  
Ancona (Italy)*

*Topic: Assessing soil degradation: theory and practice*

**Luca DORO**

*Blackland Research and Extension Center  
Texas A&M AgriLife Research  
Temple (USA)*

*Topic: Theory and practice of modelling climate change  
impacts on soils and crops with the Apex model*

**Victor CASTILLO**

*Science, Technology and Implementation Unit  
United Nations Convention to Combat Desertification  
Bonn (Germany)*

*Topic: Operationalizing the concept  
of land degradation neutrality*

**Massimiliano PASQUI**

*CNR, Istituto di Biometeorologia - Ibimet  
Roma (Italy)*

*Topic: Exploring climate change scenarios*

*The final shedule will be provided during  
the first week of July, 2017*





## INFO PARTICIPATION AND EXTENDED ACTIVITIES

The School is targeted to graduates, doctoral and post-doctoral students in environmental disciplines, agronomy, soil science, applied biology, natural resource management, landscape planning, environmental sciences from all over the world. Given the highly interactive activities planned at the Summer School, the number of participants is **limited to 30**. Please note that the Summer School will be activated from a minimum number of **12 applicants**.

**For Saturday, 22 July, 2017** an optional excursion is available for interested participants. The total cost will be provided at request. The excursion includes a mini-cruise in the Gulf of Orosei: Entrance to the Bue Marino cave and visit to the amazing beaches of Cala Luna, Cala Mariolu, Cala Sisine and Cala Gabbiani.



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## BENEFITS

In addition to tuition, downloadable course material and the participation diploma the course fee also covers the following:

- >> Free entry to the gym and swimming pool at Località Farcana – Monte Ortobene, Nuoro;
- >> Free entry to: MAN Nuoro Provincial Art Museum; ISRE Sardinian Ethnographic Museum; ISRE Birth place and museum Grazia Deledda (Nobel Prize for Literature, 1926);
- >> Free access to local transport.

## ACCOMODATION

*Summer School participants may take advantage of a special inclusive price of 350 Euros per person, for seven nights (arrival July 16, 2017; departure July 23, 2017) at a local 3-star hotel. This price covers accommodation in a double room together with half pension (breakfast and one meal per day). If you are interested in this offer, please note this in your enrolment e-mail. There is a surcharge of € 20.00 per day for the single room at the hotel.*



# FEE AND PAYMENTS

Applicants will be requested to pay a participation fee of **EUR 150**. By June 30, 2017 payment of a deposit of € 50,00 for those who intend to attend the Summer School by bank transfer. Balance of the remaining sum by July 2, 2017, by bank transfer. The deposit will be refunded only in case the school is not activated because there will not be enough participants or the applicant exceeds 30 participants.

Applications will be accepted in the order of arrival. In order to complete the registration, a copy of the completed bank transfer and a copy of the ID document in PDF format must be sent by email to:

[segreteria didattica@uninuoro.it](mailto:segreteria didattica@uninuoro.it) and [sscc2017@gmail.com](mailto:sscc2017@gmail.com).

## BANKING DATA

**TESORERIA BANCO DI SARDEGNA  
FILIALE DI NUORO**

IBAN: **IT03Y0101517300000070420885**

PAYMENT REFERENCE: **Climate Change Summer School Fee - July 2017**

RECIPIENT: **Consorzio per la promozione degli Studi universitari  
nella Sardegna centrale, Via Salaris n. 18, Nuoro.**

BIC (swift code): **BPMOIT22XXX**

UNIVERSIDADE  
UNIVERSITA'

# APPLICATION FORM AND DEADLINE

FIRST NAME(S) \_\_\_\_\_

FAMILY/LAST NAME \_\_\_\_\_

GENDER \_\_\_\_\_

HOME UNIVERSITY \_\_\_\_\_

DEPARTMENT \_\_\_\_\_

DEGREE COURSE (IF APPLICABLE) \_\_\_\_\_

COUNTRY \_\_\_\_\_

NATIONALITY (as in your passport) \_\_\_\_\_

E-MAIL ADDRESS \_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_

ACCOMODATION (please state if you need an accomodation for your stay in Nuoro. For further information please see the ACCOMODATION section): YES/NO.

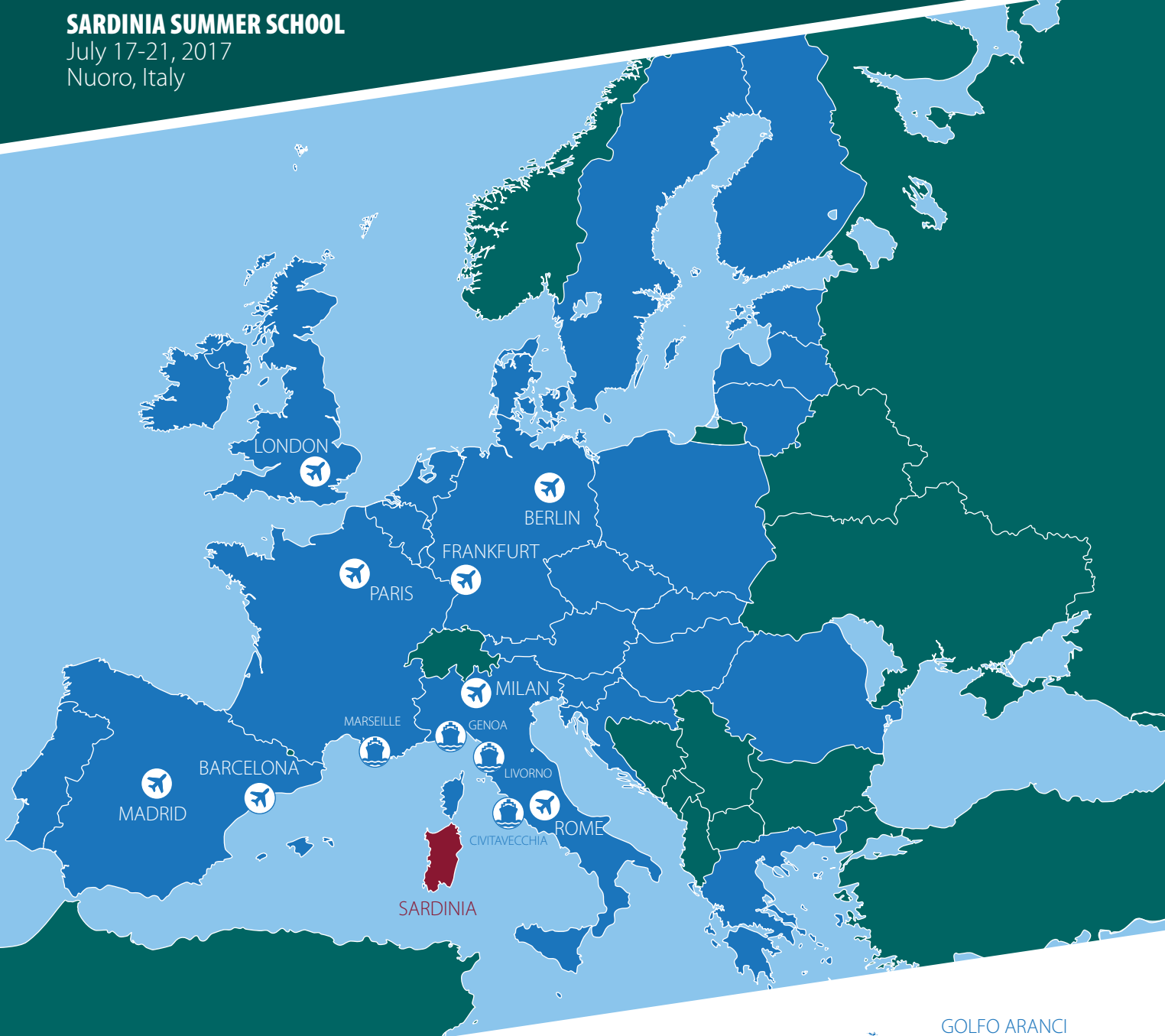
Please send the Application Form together with a single .pdf file containing a complete curriculum vitae to the Summer School Secretariat [segreteria didattica@uninuoro.it](mailto:segreteria didattica@uninuoro.it) and [sscc2017@gmail.com](mailto:sscc2017@gmail.com).

**The final deadline for applying to the Summer School is June 30, 2017.**



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## HOW TO ARRIVE IN SARDINIA

### BY PLANE

- <http://www.sogaer.it/en/> (CAGLIARI)
- <http://www.geasar.com/eng> (OLBIA)
- <http://www.aeroportodialghero.it> (ALGHERO)

### BY SHIP

- <https://www.corsica-ferries.co.uk>
- <http://www.gnv.it/en/>
- <https://www.grimaldi-lines.com/en>
- <http://www.mobyhines.com/>
- <https://en.tirrenia.it/>

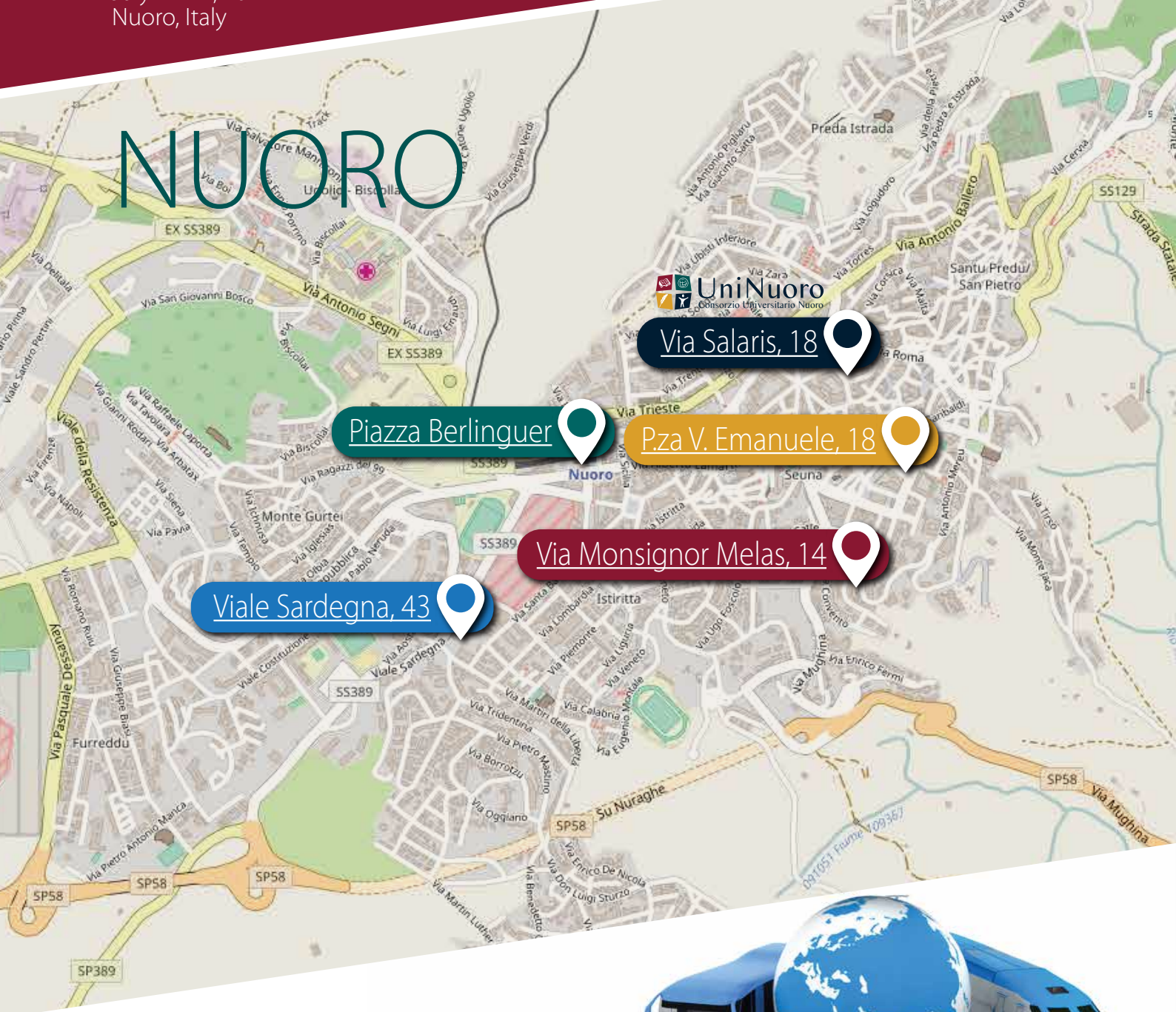


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# NUORO



## MAIN VENUES

### SUMMER SCHOOL ADDRESS

Via Salaris, 18

### BUS TERMINAL

Viale Sardegna, 43

### BUS STOP FOR SWIMMING POOL

Piazza Vittorio Emanuele, 18

### TRAIN STATION

Piazza Berlinguer

### TAXI

+39 392 2182350

### BUS TERMINAL

<http://www.atpnuoro.it/>

### BUS and TRAIN web address

<http://arst.sardegna.it>



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## CONTACTS

Summer School Director

**Pier Paolo ROGGERO**

*Department of Agriculture (University of Sassari)*

[pproggero@uniss.it](mailto:pproggero@uniss.it)

Summer School Secretariat

**Gian Franco CAPRA**

*Department of Architecture, Design and Urban Planning (DADU, University of Sassari)*

[pedolnu@uniss.it](mailto:pedolnu@uniss.it)



## ORGANIZERS



**uniss**  
UNIVERSITÀ DEGLI STUDI DI SASSARI



**UniNuoro**  
Consorzio Universitario Nuoro

## PARTNERSHIPS



**United Nations**  
Convention to Combat  
Desertification



**SIPe**  
Società Italiana di Pedologia  
*Italian Society of Pedology*



**GNDRI**

GLOBAL NETWORK OF DRYLAND RESEARCH INSTITUTES

**DesertNet**  
International



**TEXAS A&M**  
**AGRI LIFE**  
**RESEARCH**

