



Project: Intensify production, transform biomass to energy and novel goods and protect soils in Europe (INTENSE)

Summer school

Sustainable agricultural production on marginal soils within Europe

Partners



**CIEMAT (Madrid, Spain)
12th - 14th of June 2018**



This course aims to give an overview of applied research for a sustainable and ecologically compatible land use and approaches needed to restore degraded or marginal land.

Registration (Maximum 25 students):

To: Ana García Triviño (Course Secretary)

Formación en Energía y Medio Ambiente – CIEMAT

Avenida Complutense 40 – MADRID 28040 (Spain)

Phone: +34 91346 6486 / 6295, **E-mail:** er.ma.bt@ciemat.es

Fee: 75 € (includes coffee breaks and lunch at CIEMAT and bus transport to the field)

Materials provided: A pen drive with course presentations, field trip guide and certificate of attendance.

Course Directors: Dr. Rocío Millán, Dr. Thomas Schmid

CIEMAT coordination: Mirian Bravo Taranilla

Program

12th of June:

9:00 – 9:30 Welcome

9:30 – 10:30 Dr. Arne Sæbø– “INTENSE and the circular bioeconomy”

10:30 – 11:00 Coffee break

11:00 – 12:00 Prof. Dr. Peter Schröder “Sustainable / precise agriculture - examples from a long term experiment in Germany and an ERANET project”.

12:00 – 13:00 Prof. Dr. Nelson Marmiroli “Tools for improving soil quality and fertility”.

13:00 – 14:30 Lunch

14:30 – 15:30 Dr. Tomasz Niedziński “Agronomical valorization of crops and residues”.

15:30 – 16:30 Dr. Michel Mench “Phytomanagement of metal(loid)-contaminated soils and remediation of soil functions underlying ecosystem services”.

Evening activity “Tapas and Science” Open forum conducted by Prof. Dr. Elena Maestri (“Healthy soils for a healthy life”).

13th of June:

9:30 – 11:00 Dr. Francois Rineau “The role of microbial diversity and the contribution of mycorrhizas to ecosystem services: are they really involved, and is it relevant for our economy?”

11:00 – 11:30 Coffee break

11:30 – 12:30 Dr. Friederike Gnädinger “Use of drones and new technologies for mapping and monitoring agricultural areas”.

12:30 – 13:30 Dr. Thomas Schmid “Soil degradation studies within semiarid regions using advanced remote sensing techniques”.

13:30 – 15:00 Lunch

15:00 – 16:00 Mr. Christoph Poschenrieder “Ecological intensification of agricultural productivity. Case study Martilhof (Germany)”.

16:00 – 17:00 Round Table / Open discussion

14th of June:

Field trip Organizers: Dr. Rocío Millán, Dr. Manuel Rodríguez Rastrero and Dr. Thomas Schmid (CIEMAT)

9:00 Departure from CIEMAT

11:00 – 11:30 Arrival to Casasana area.

11:30 – 12:30 Study case of agricultural soil degradation.

12:30 – 14:30 Arrival to Buendía field plot. Explanation on the development of field experiments and training.

14:30 – 16:30 Lunch. Open forum on the agronomy of the future. Final remarks. Diploma of attendance.

17:00 Departure to CIEMAT

