SOCR400_ 3 Credits

SOILS AND GLOBAL CHANGE: SCIENCE AND IMPACTS

What is it about?

The Earth system is undergoing continuous changes, which have profound impacts on soils and soil processes, as well as on the capacity of soils to support demand for food, fibre and energy. Soils and climate change are tightly linked in a series of feedback mechanisms for which understanding is critical to wisely manage the world soils and adapt to and/or possibly mitigate the effects of climate changes. This course will provide state-of-the-art knowledge on the effects of current global environmental changes, from the increase of atmospheric CO_2 and climate change to N deposition, loss of biodiversity, land use change, UV_B radiation, etc. on soil processes and biota, and the field and laboratory methods currently available to study those effects. The course will be delivered through in-person lectures and laboratory activities.

When will it take place?

Fall term. Lectures: Monday, Tuesday 9 – 9.50 am; Lab: Tuesday 2.00-3.50 pm.

Who is the instructor?

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Please don't hesitate to contact Francesca.cotrufo@colostate.edu to know more about this course