

First Announcement

France
June, 2-12

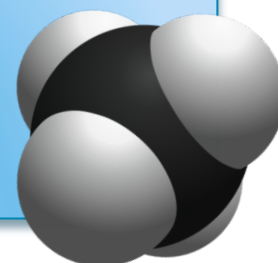
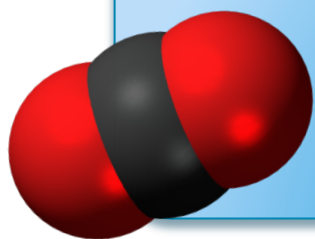
Carbon Workshop 2015 Observatoire de Haute-Provence

This 10-day course will train **early career scientists** (including advanced PhD students, postdocs, and Junior Faculty) in the discovery and use of **in-situ data** to address emerging issues in **carbon cycle science** including atmospheric science, biogeochemistry and ecosystem science. World-class scientists will provide hands-on instruction in the use of 'big data' from the **ICOS and NEON** observatories while discussing the frontier of carbon science and promoting the discovery of new research opportunities.

ICOS-NEON GREENHOUSE GAS DATA TRAINING WORKSHOP

OHP, Haute-Provence, France

2-12 June 2015



Program

Practical use cases and scientific hands-on approaches will be offered, focusing on emerging applications for data fusion across scales and regional boundaries. A field trip to visit the atmospheric ICOS station and the O3HP oak field is planned.

Session 1. Overview <i>GHG measurements in the Atmosphere and Ecosystem, Remote Sensing, Global integration</i>	Session 4. Carbon Portals <i>Importance of interoperability, ICOS Carbon Portal, NOAA Carbon Portal, NEON data portal, etc.</i>
Session 2. Atmosphere approaches <i>Trend analysis, isotopic measurements, inverse modelling, data assimilation, Bayesian approaches</i>	Session 5. New frontiers of carbon science <i>Urban Carbon, Lidar remote sensing of forest and biomass, Methane measurements, ...</i>
Session 3. Ecosystem approaches <i>Data mining, parameterization and validation of models, data assimilation, Bayesian approaches</i>	Session 6. Project <i>Small group collaborative projects and presentations.</i>

Venue

The Observatoire de Haute-Provence (OHP, <http://www.obs-hp.fr>) is an Observatory for atmospheric sciences and astronomy situated in Provence, southeast France, about 90 km east of Avignon, 100 km north of Marseille.

A shuttle will be organized to reach the very remote venue from Marseille (and return). The venue is not reachable by public transport.



Registration and detailed information <http://carbonws2015.sciencesconf.org>



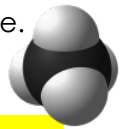
Funded by the FP7
programme of the
European Union





Target Audience

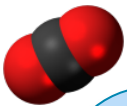
This training workshop aims at inspiring early career scientists including advanced PhD students, postdocs, and Junior Faculty to use “big data” to address continental to global scale emerging issues in GHG science. We are seeking early-adopters who wish to broaden and deepen their knowledge or to identify new research opportunities dedicated to GHG research. This 10-day course will be offered to 20-24 participants, who are expected to know basic computer programming in at least one language.



Registration Deadline 20 March 2015 with statement of interest, CV and letter of support

Costs no fee, shared lodging & meals included **Language** English

Organised by ICOS: www.icos-infrastructure.eu and NEON: www.neoninc.org



Keynote Speakers (TBC)

Philippe Ciais, LSCE, France
Steve Wofsy, Harvard, US
Frédéric Baret, INRA, France
Phil DeCola, Sigma Space, US
Andy Fox, NEON, US
Miguel Mahecha, MPI-BGC, Germany
Marcel van Oijen, CEH, UK
Philippe Peylin, LSCE, France
Martina Schmidt, IUP, Germany; etc.

Organizers

Bert Gielen, ICOS, Belgium
Hank Loescher, NEON Inc., US
Catherine Milcent, LSCE, France
Jean-Daniel Paris, ICOS, France
Lindsay Powers, NEON Inc., US
Nadine Schneider, LSCE, France
Alex Vermeulen, ULUND, Sweden
Felix Vogel, LSCE, France
Irène Xueref-Remy, ICOS, France

About ICOS and NEON

ICOS and NEON research infrastructures are in-situ observation networks providing research data on greenhouse gas fluxes from ecosystems to the atmosphere. Together, ICOS and NEON aim to make these data available without technical, scientific or political barrier. These data typically include greenhouse gas (GHG) concentration, carbon and energy flux observations, and the surface micrometeorology surrounding these measurements. NEON is solely funded by the U.S. National Science Foundation (NSF).

This workshop is an initiative of the joint EU-US project **COOPEUS** www.coopeus.eu

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