



# ICOS-NEON Carbon Workshop 2014

## Observatoire de Haute-Provence



ICOS and NEON jointly held a Carbon Workshop for early career scientists at Observatory Haute-Provence in southern France in September 2014 within the COOPEUS project (Cooperation EU+US).

The workshop is not only centered on carbon and energy flux observations, and the surface micrometeorology surrounding these measurements, but also aimed at making data available that can be used without technical, scientific, cultural or political barrier in Europe, US and internationally. In addition, practical use cases and scientific hands-on approaches were explored that focused on emerging applications to use large-scale observations to ask regional-to-continental questions. We had a fully supported, very diverse group of 24 conducting science in 16 different countries. World-renowned instructors came from the US and European countries. The OHP ICOS France atmospheric station and the white oak observatory O3HP has been visited during the field trip.

### Session 1. Overview

GHG measurements in the Atmosphere and Ecosystem, Remote Sensing, Global integration

### Session 2. Atmosphere approaches

Trend analysis, inverse modelling, data assimilation, Bayesian approaches

Session 5. Project Working on an individual challenge in a small group during the workshop.

### Session 3. Ecosystem approaches

Data mining, parameterization and validation of models, Bayesian Approach

### Session 4. New frontiers of carbon science

Using isotope measurements in flux estimations across scales, ...



### Contact

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### more Infos:

<http://coopeus2014ss.sciencesconf.org>

<https://carbon-workshop.lsce.ipsl.fr>

ICOS: <http://www.icos-infrastructure.eu>

NEON: <http://www.neoninc.org/>

COOPEUS: <http://www.coopeus.eu>