

3rd InGOS/ICOS (“TTorch”) Summer School

“Challenges in measurements of greenhouse gases and their interpretation”

20 May – 29 May 2015

TTorch (Tall Tower and surface Observation Research Network for verification of Climate relevant emissions of Human origin in Europe) was an ESF Research Networking Programme focusing on measurements and modelling of non-CO₂ greenhouse gases (CH₄, N₂O, SF₆) and related tracers (e.g., CO, H₂, ¹⁴CO₂, O₂/N₂). The main purpose of TTORCH was to support and help improve the European network of observations of greenhouse gases through communication, workshops, grants for exchange visits and summer schools. TTorch ended in 2014 but its successful series of Summer Schools will be continued with support of the InGOS and ICOS projects!

The 3rd Summer School will again take place at **Hyytiälä** Forestry Field Station, in **Finland**. Local hosts are Timo Vesala and Maria Provenzale from the University of Helsinki. The school will be organized in three sections: **Ecosystem fluxes and measurements, Atmospheric composition, measurements (in-situ and remote sensing) and modeling of the global climate, carbon cycle, atmospheric transport and chemistry**. The last two sections will each include a practical session.

Lecturers include: Christoph Gerbig, Martin Heimann, Sander Houweling, Carl Brenninkmeijer, Maarten Krol, Anders Lindroth, Greet Maenhout and Timo Vesala.

The school is mainly oriented to PhD students, but a number of PostDocs and master students preparing to start a Doctorate will be accepted. The scope of the Summer School is of course closely related to the (European) projects ICOS, COOPEUS and InGOS.

For **application**, the candidate should prepare a document containing the CV, a short description of her / his work and a recommendation letter of the supervisor. The selection will take into account the connection between the candidate’s research subject and the Summer School focus.

Please apply through the InGOS website **before January 30, 2015**:

<http://www.ingos-infrastructure.eu/SummerSchool2015>

Most of the costs (accommodation, catering, organization and lectures) will be covered from the available funds. The students will have to pay themselves the travel costs only.

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Photos Hyytiälä: Juho Aalto