



Integrated non-CO<sub>2</sub> Greenhouse gas Observing System

# WP NA3: Harmonisation and quality control of future measurements of CH<sub>4</sub>, N<sub>2</sub>O and H<sub>2</sub>

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## Objectives

to improve the quality of CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub> and H<sub>2</sub> measurements at the 22 InGOS stations and to make them available for inverse modelling of European fluxes (WP15 - JRA3).

# Tasks

Task 3.1: Improvement of in situ measurement precision and comparability – led by CEA (Martina Schmidt), contributors: all groups

Task 3.2: Near-real time data transmission of CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub> and H<sub>2</sub> – led by CEA (Jerome Tarniewicz), contributors: all groups

Task 3.3: Efficient ICP exercises including their evaluation – led by UEA (Andrew Manning), contributors: all Groups

Task 3.4: Feasibility study of the usefulness and applicability of travelling QC instrumentation – led by UHEI (Samuel Hammer ), contributors: MPG, CEA

Task 3.5 Training and Capacity building (linked with NA1, led by Euan Nisbet)



# Deliverable

D3.1) Method for quality control for all stations implemented: After this the stations will provide better harmonised output data. [month 12] **Done**

D3.2) Near-real time data of the first 10 stations available at the webpage: Near real time data showing the concentration levels at the respective sites. [month 12] **Done**

D3.3) First ICP report on comparability of CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub> and H<sub>2</sub> measurements within InGOS network: PDF report available on the Webpage [month 18] **Done**

D3.4) Near-real time data available at the webpage for all stations.: Near realtime data showing the concentration levels at the respective sites. [month 24] **ongoing.... Your participation is needed**

D3.5) Report on the feasibility of a travelling instrument for quality control of in situ measurements: PDF report available on the Webpage [month 24] **Done**

D3.6) Second ICP report on comparability of CH<sub>4</sub>, N<sub>2</sub>O, SF<sub>6</sub> and H<sub>2</sub> measurements within InGOS network: PDF report available on the Webpage [month 42] **ongoing**

D3.7) Assistance to St Petersburg and Cyprus: Assistance provided to teams in St Petersburg and Cyprus. [month 32] **Done**