

GASLABS

This service offers access to flask analysis in two major high precision atmospheric laboratories (GASLABS). It offers very high precision greenhouse gas measurements on air samples at ambient concentrations. The GASLABS are MPI-BGC and LSCE.

Analysis for each sample will include:

- Very high precision analysis of CO₂, CH₄, N₂O, plus CO and CO₂ isotopic composition
- Possibility of borrowing well-conditioned flasks for field campaigns ensuring excellent conservation of atmospheric species over time.



Measurement equipment at LSCE and MPI-BGC (TA1)



Location of sites for TA2:
Access to CarboEurope IP
Atmospheric network

Atmospheric Network

This activity will give access to the stations of the atmospheric network to visiting scientists.

Access possibilities include:

- Access to stations for intensive campaigns to study physical, chemical or radiative behaviour of the atmosphere
- Access to a well established network where CO₂ and other species are routinely measured
- Possibility for deploying new sensors for testing and validation under field conditions
- Basic logistic support for working at a station

Terrestrial network (BIOLABS)

Access to four flux and ecosystem manipulations sites is offered to European scientists.

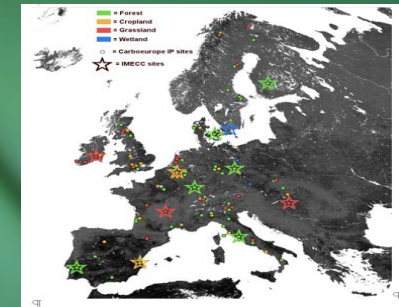
Access offered includes:

- Addition of instrumentation to one of the sites
- Use of site facilities and measurement
- Access to flux towers and the plots of the manipulation experiment
- Access to basic data regularly measured at the sites (includes main weather parameters, measures of soil respiration, sap flow and through fall)
- Direct interaction with the infrastructure managers for planning and scheduling



Ecosystem Manipulation sites

Access opportunities



Location of sites for access to European
Eco-system Measurement Facilities (TA4)

European Ecosystem Measurement Facilities

The selected sites span latitudes from Finland to Portugal, and a wide range of environments.

Access includes:

- Administrative support
- Use of the general infrastructure of each of the flux tower sites. This includes:
 - Use of utilities and provision for overnight stay
 - Use of specific research equipment (negotiated in advance)
 - On-site logistic support
 - Deploying new sensors
 - Collecting field samples

Applying for access

- Applications for access can be made via an application form available on the website: www.imecc.org
- Short proposals describing the scientific objectives and technical requirements of each project must be submitted as part of the application
- The user selection procedure will take less than four months to allow users to plan their campaigns in a flexible manner.
- Contact person: Eero Nikinmaa
eero.nikinmaa@helsinki.fi.

How does it work??

- Visitor contacts website with an expression of interest
- Host is automatically informed
- Visitor and host agree on programme and submit an application
- Application is reviewed
- Money is made available to host to cover the costs of access
- The visitors' costs (travel to host institution etc) cannot be covered



IMECC will:

- Plan European carbon cycle measurements
- Harmonize measurements among the laboratories
- Expand access to measurement facilities
- Link *in situ* and satellite measurements
- Provide near real time data

IMECC can cover the cost of providing access to a distributed network of carbon cycle measurement stations.

Access is offered to:

- Measurement facilities (GASLABS)
- Atmospheric Network
- Terrestrial Network
- European Ecosystem Measurement Laboratories