**Please, send the filled document to iCUPE Project Manager Ella-Maria Duplissy (ella-maria.duplissy at helsinki.fi), Project Officer Ksenia Tabakova (ksenia.tabakova at helsinki.fi) and WP1 Task 3 leader Birgit Wehner (birgit at tropos.de).**

AGAP-Clouds

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May 20 – June 6, 2019

Ny-Ålesund, Svalbard

# Short abstract

Arctic cloud droplets characteristics will be measured in-situ by means of a tethered balloon system. In particular, droplets size distribution will be measured by a Cloud Droplet Probe (CDP-2). At the same time, droplets will be collected on filters for successive chemical and physical analysis.

# Keywords

Arctic, clouds, droplets size distribution

# Scientific question

Cloud particles characterization in the Arctic.

# Location:

Hemisphere: North

Location coordinates (in Google form): 78.917498, 11.894075

Campaign start and end dates: (DD.MM.YYYY) 20.05.2019 – 06-06-2019

Type of measurements (mark with an x):

|  |  |  |  |
| --- | --- | --- | --- |
| Ground-based in-situ | Ground-based remote sensing | Airborne in-situ | Airborne remote sensing |
|  |  | x |  |

# Measured parameters:

Aerosols, details: BC content

Gases, details:

Clouds, details: droplets size distribution, nuclei composition, ice nucleating particles

Others, what:

# Part of a bigger project / activity / infrastructure? If yes, which one?

AGAP, BC-3D

# Participating institutes

National Research Council of Italy (Institute of Atmospheric Sciences and Climate), University of Perugia, University of Milano Bicocca, Korea Polar Research Institute

# Additional participation possible? Wishes

Yes

# Optional files (e.g. map)