## ANNEX A

PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANTS LASTING 12 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 13/D1 – STATISTICS - ACADEMIC DISCIPLINE SECS-S/02 – STATISTICS FOR EXPERIMENTAL AND TECHNOLOGICAL RESEARCH – (CUP: F12I15000020006)

announced with decree of the Rector Rep. no. 522/2016 of 13.10.2016 and posted on the official registry of the University on 13.10.2016

## **RESEARCH PROJECT**

## "Statistical analysis of collocation and gaps for atmospheric measurements"

In the context of atmospheric measurements, GAIA-CLIM's aim is to improve the use of ground based measurements to calibrate and validate satellite measurements. In this frame, the contract has two objectives.

Objective 1 is to analyze collocation uncertainty comparing satellite and ground based data with a special focus on water vapor (q), temperature (T), aerosol.

Datasets are:

- NPROVS which include IASI and RAOB data on T and q

- CALIPSO/EARLINET which include Lidar data for aerosol

Objective 2 is to analyze geographic gaps of ground based measurement systems.

Datasets are

- RAOB for T and q

- Aeronet for aerosol