PhD in "Passive remote sensing measurements for the investigation of atmospheric components and satellite validation"

This fellowship will focus on the use of ground-based remote sensing measurements for the study of atmospheric composition. Those measurements, performed according to international network standards, can be exploited for air quality studies as well as for satellite data validation. The candidate will acquire competences on how to operate remote sensing instruments, on the inversion techniques used to retrieve atmospheric variables from their measurements, and on their use to investigate atmospheric processes. These activities are part of the PNRR-EMM (Earth Moon Mars) project. The reference scientist is Dr. Elisa Castelli from CNR-ISAC in Bologna.

Institute of Atmospheric Sciences and Climate of the Italian National Research Council (CNR-ISAC), in collaboration with the University of Bologna, will be opening a 3-year PhD position on this topic.

- **Goal**: Learn to use remote sensing instruments and to derive atmospheric constituents from their measurements.
- **Degree**: Physics, chemistry, mathematics, engineering, informatics.
- **Experience**: A basic knowledge of Earth atmosphere is welcome but not fundamental.
- **Coding**: The PhD student will make use of codes written in different languages (e.g. Python, Fortran , IDL).
- **Salary level:** 1250 per month (net)
- **Deadline for application:** 20/06/2023
- **Starting date**: November 2023
- **Contract length**: 36 months
- **Location**: CNR-ISAC, Bologna, Italy. Courses will be held during the first year at the University of Bologna.

If you are interested in joining our team for this exciting project and for any further information please contact:
Elisa Castelli, CNR-ISAC (e.castelli@isac.cnr.it)

The official link to the call can be found here: Unibo PhD page
Additional details will be available here soon: Unibo PhD description