



Garden The Sky Water, 12 June 2019
 École Polytechnique, Palaiseau, France

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Welcome to SIRTA!

SIRTA (Site Instrumental de Recherche par Télédétection Atmosphérique) is a French national experimental site that includes a large number of atmospheric monitoring instruments making it a reference for observation procedures and that develops multi-scale data sets for the national and international scientific community for researching and teaching needs in the Paris region.

The scientific objectives of SIRTA are to accurately document, in the long term, the radiative, physical and dynamic processes within the atmosphere; especially those related to clouds and their precursors such as aerosols and water vapor. But also to offer the community an instrumented platform in peri-urban areas to perform instrumental tests, measurement campaigns for process studies, and experimental teaching for different universities and courses.

Sky Garden - SIRTa Day

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Workshops at SIRTa

We invite you to spend a day on the instrumental platform, as we accompany you in the **discovering of the atmospheric geophysical measurements**, the physics behind the instruments and its evolution during the last centuries, as well as the visualization of the data collected as the final product of the whole process.

We will take you through the concept of measurement, and their classification according to the basic techniques making possible to measure.

Which variables are measurable in the atmospheric column, at SIRTa, from the ground to different heights, and continuously.

This day is designed as **a practical workshop, with a set of different experimental sessions** aiming a better understanding of:

- The role of water and its states in the Earth system, specifically in the atmosphere
- The measurement of the atmospheric variables and the physics, for many many people mysterious, allowing us to extract information about the state of the atmosphere.
- The classification of the instruments linked to these techniques.
- In-situ vs remote sensing
- Passive vs active
- The instrumental synergy and taking every measurement and putting it in the perspective if the wider context: the atmospheric column.

We invite you to join us for this in-situ adventure!