



# **“Observatoire de Versailles St Quentin”**

**An interdisciplinary department of UVSQ**

**Devoted to Climate, Environment and  
Sustainable Development**

# Main fields of interest

- The three main objectives of **OVSQ** are:
  - **Long term observation** of natural environment and its interactions with human activities
  - **Research on the environment and society** mainly, but not only, based on long term observation
  - **Higher education and capacity building** on subjects related to climate, environment and sustainable development
- **OVSQ** brings together research units working on:
  - **Natural environment and climate**, based on laboratory measurements, *in situ* and space borne observation (LSCE and LATMOS) and numerical modelisation (mainly LSCE)
  - **Environmental economics** (REEDS)
  - **Arctic** integrated studies (CEARC)
  - **Public health and environment** (from the faculty of medical sciences)

# Two new Topics

- **OVSQ** is able to tackle research and capacity building programmes ranging from the understanding of the functioning of natural environment, including climate, and its interactions with human activities and societies to decision making processes in the field of sustainable development.
- **Two new fields** of research have been recently added to OVSQ more classical programmes:
  - The **CONSTANCES** epidemiological cohort: an open epidemiological laboratory, under the responsibility of the Faculty of Medical Sciences within which **OVSQ will work on associated sampling of the environment**, especially the **air composition** but not only, using the expertise already existing within LATMOS and LSCE.
  - **History of the environment** to better understand the way the societies are adapting to environmental changes, first of all the climate.



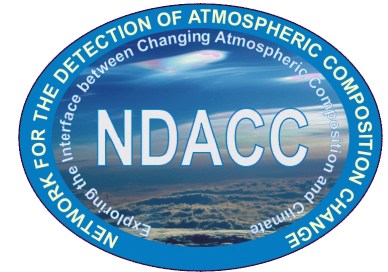
# Observing systems and databases

- Long term commitment (Decadal)
- National sharing effort (open access)
- Funding of around 600k€/year
- Technical staff of 30 persons



- Ground Network:

- RAMCES-ICOS: greenhouse gases
- NDACC: Ozone and atmosphere composition



- French instrumental sites:

- SIRTA (Paris vicinity)
- OHP (south of France)



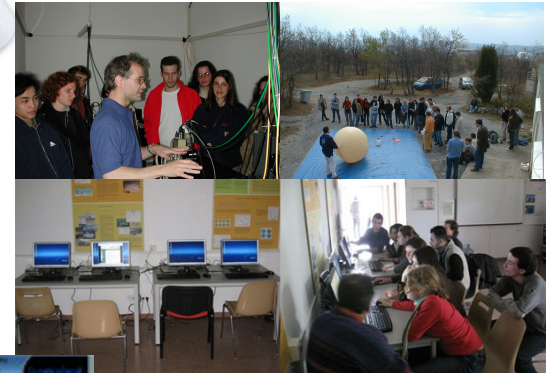
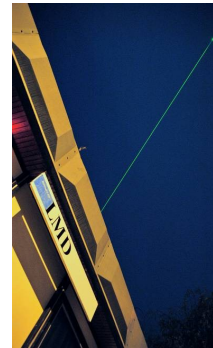
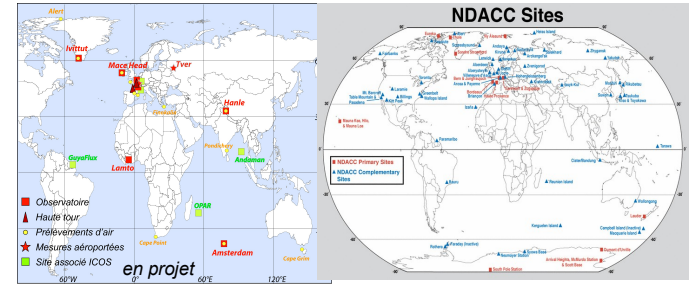
- Databases:

- BDAP: planetary atmosphere
- SIIG: magnetic indexes
- Geomon Earth atmosphere



# Related activities

- Contribution to international network of systematic atmospheric observations (Decadal)
- Test and host innovative instruments
- Teaching and training on site (Master and PhD students)
- Archiving and organising data: Virtual observatories and network synergies



# The agenda

- On the 15th, long term observation and research on GHG have been presented at LSCE.
- **Today**, the presentations will deal with interdisciplinary approaches for capacity building.
  - **OVSQ** educational programme (Martin O'Connor)
  - **Fondaterra** joint undertaking between UVSQ and several private actors (Marie-Françoise Guyonnaud)
- Philippe Bousquet will conclude by presenting some thoughts on **a possible joint education programme** building on the experience we developed at the OVSQ.