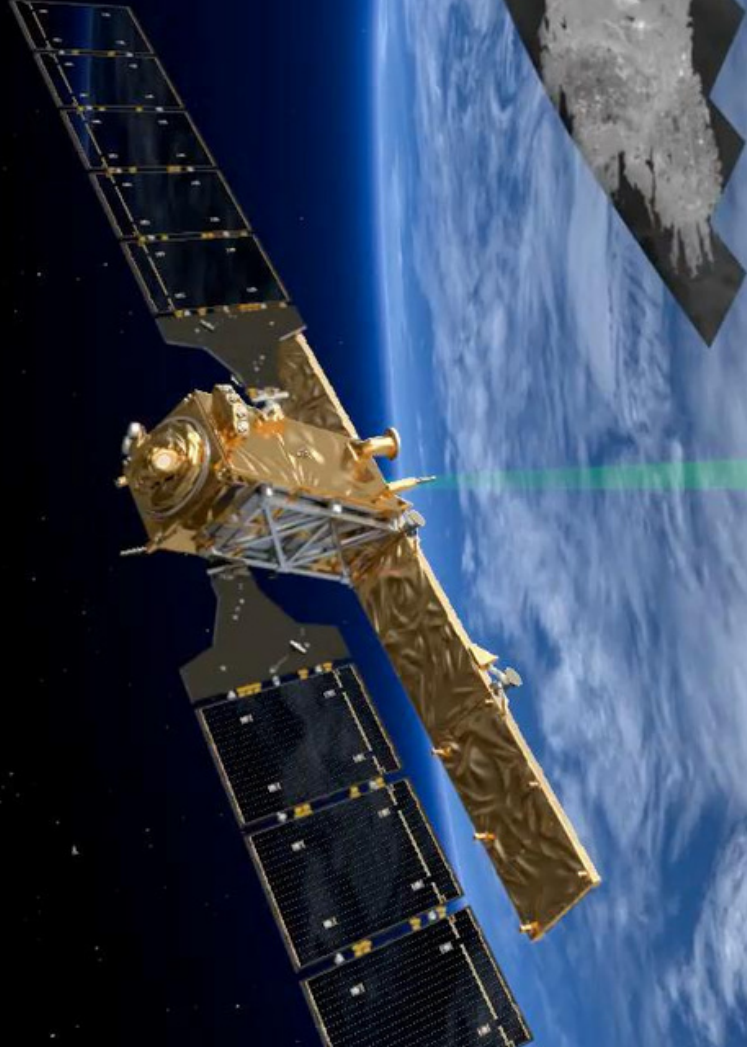


Master 2

Satellite remote sensing for Earth & Climate Observation



← More info here

Master's Program Coordinators

Hélène Chepfer	chepfer@lmd.ipsl.fr	Sorbonne Université
Victor Pellet	victor.pellet@lmd.ipsl.fr	
Sébastien Rodriguez	rodriguez@ipgp.fr	Paris Cité



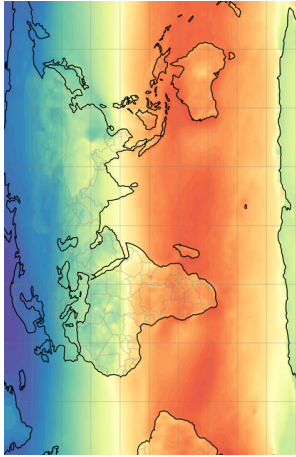
SORBONNE
UNIVERSITÉ



<http://teledetection.lmd.jussieu.fr/mpt/>

Application:

- Online via the Sorbonne University website or the e-candidat app
- International students must apply for registration on <http://www.campusfrance.org>



- Satellites
- Climate
- Physics
- Data Science

Courses

Common core courses

- Electromagnetic radiation
- Radiometry and Active Remote Sensing
- Radiative transfer in the atmosphere and ocean
- Data Science & AI
- Orbitography
- Numerical modeling for Remote Sensing

Choose 2 from 5

- Remote sensing of planetary surfaces
- Energetics of the climate system
- Clouds and aerosols
- Atmospheric chemistry and air quality
- Remote sensing of the hydrosphere and cryosphere with geodesy and gravimetry
- Remote sensing of tectonic and volcanic deformation

Semester 1

Semester 2

- Image processing

- Practical work
- Internships (4 to 6 months)
- Seminars

Partner laboratories

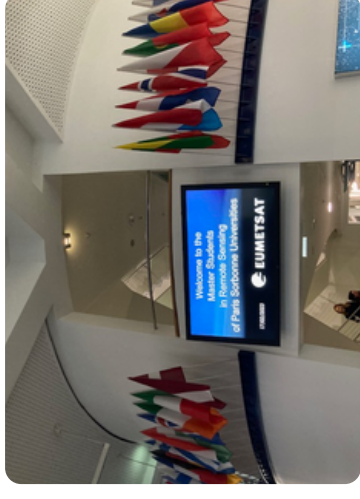
Master's students complete a full-time research internship lasting four to six months. Examples of host research laboratories:

LMD, LOCEAN, LATMOS, IPEG, ONERA, LSCE, LERMA, CESBIO, CNES, ESA etc.

Some internships are done with companies with industrial companies such as CapGemini, Fugro, Nexter Systems, etc.

Networking with Experts in the Field

In addition to courses and practical work, each year students discover the most renowned centers in the space field and exchange ideas with experts in the field to enrich their knowledge and acquire practical skills.

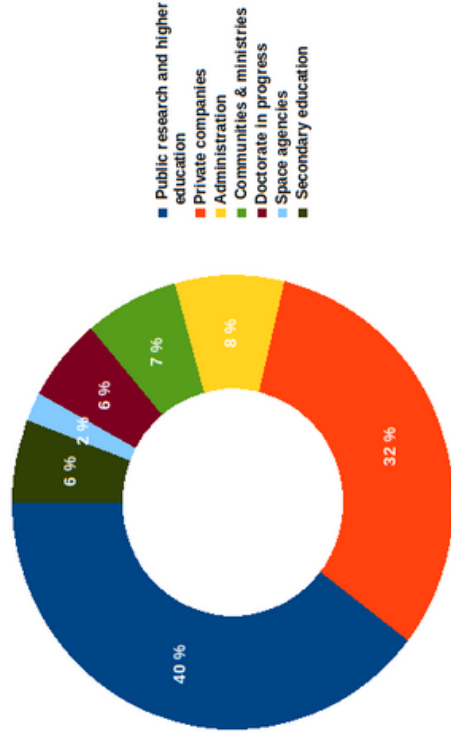


Visits in 2024

- European Space Research Institute (ESRIN) at Frascati, ESA Rome, Italy
- Haute-Provence Observatory (OHP), Alpes-de-Haute-Provence, France
- European Meteorological Satellite Agency, EUMETSAT, Darmstadt, Germany
- ESA's European Space Operations Center, ESOC, Darmstadt, Germany

What comes after the Master's ?

Students graduating from the Master's program have the opportunity to pursue their research in the academic world or join the private sector directly.



According to the Alumni Tracking Survey (1984-2024)