Université Paris-Saclay
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# M1 Comprendre les Changements Climatiques : du passé au futur

Master's degree
Specialisation Earth and Planetary Sciences, Environment (STePE)
Enrolment type
Formation initiale
Language(s) of instruction
French
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terrain-5
terrain-6

## Information

- Overview
- Application requirements
- Schedule

Présentation

# Débouchés

## Further Study Opportunities

### Master of STePE and other Master of Earth Sciences

# Calendar

Start of programme (indicative date)
01/09/2026
End of programme (indicative date)
30/09/2026
Admission

# Admission Route

Physics
Chemistry
Life Sciences
Earth Sciences

# Capacity

### Available Places

15

# Période(s) de candidature

Inception Platform

From 15/01/2026 to 16/03/2026

From 19/06/2026 to 25/06/2026

MonMaster Platform

From February 17th to March 16th, 2026

To find out which platform you should apply through, please see the Masters' applications and enrolment page.

# Supporting documents

### Compulsory supporting documents

Motivation letter.

All transcripts of the years / semesters validated since the high school diploma at the date of application.

Curriculum Vitae.

Detailed description and hourly volume of courses taken since the beginning of the university program.

## Additional supporting documents

Document at your convenience.

Any document considered as of interest to support the application will be studied

Certificate of French (compulsory for non-French speakers).

A certificate of French skill is required for students originating from non French speaking country

VAP file (obligatory for all persons requesting a valuation of the assets to enter the diploma).

Recommendation letters.

Recommandation letters showing the interest of the student for climate sciences will be appreciated

Supporting documents :
- Residence permit stating the country of residence of the first country
- Or receipt of request stating the country of first asylum
- Or document from the UNHCR granting refugee status
- Or receipt of refugee status request delivered in France
- Or residence permit stating the refugee status delivered in France
- Or document stating subsidiary protection in France or abroad
- Or document stating temporary protection in France or abroad.

Programme

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Anglais<br>Charger le détail | 3 | Semestre 1 | | 30 | | | | |
| Analyse de données bases (statistiques et signaux)<br>Charger le détail | 3 | Semestre 2 | 12 | | 12 | | | |
| Fonctionnement du système Terre : phénomènes et concepts<br>Charger le détail | 3 | Semestre 1 | 14 | 14 | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Atmosphères planétaires et exobiologie | 3 | Semestre 1 | 15 | | 3 | | | |
| Charger le détail | | | | | | | | |
| Environnements sédimentaires | 3 | Semestre 2 | 21 | | 9 | | | |
| Charger le détail | | | | | | | | |
| 1053 | 3 | Semester 2 | | 21 | 7 | | | |
| Charger le détail | | | | | | | | |
| Analyse de données : programmation | 3 | Semestre 2 | 3 | 4 | 21 | | | |
| Charger le détail | | | | | | | | |
| Système d'information géographique (SIG) | 3 | Semestre 1 | 10 | 14 | | | | |
| Charger le détail | | | | | | | | |
| Hydrologie-Hydrogéologie - Les bases | 3 | Semestre 1 | 18 | 6 | | | | |
| Charger le détail | | | | | | | | |
| Forages - diagraphies | 3 | Semestre 1 | 12 | 12 | | | | |
| Charger le détail | | | | | | | | |
| Bassins sédimentaires | 3 | Semestre 2 | 14 | 14 | | | | |
| Charger le détail | | | | | | | | |
| Télédétection des surfaces | 3 | Semestre 1 | 12 | | 18 | | | |
| Charger le détail | | | | | | | | |
| Physique des fluides | 3 | Semestre 1 | 12 | 12 | 6 | | | |
| Charger le détail | | | | | | | | |

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Interactions minéraux-vivant : Processus, climat et anthropisation | 3 | Semestre 2 | 18 | | 6 | | | |

Charger le détail

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class |
|---|---|---|---|---|---|---|---|---|
| Dynamique des océans et de l'atmosphère | 3 | Semestre 1 | 12 | 12 | | | | |

Charger le détail

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1039 | 3 | Semester 1 | | 21 | 7 | | | |

Charger le détail

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Cycles biogéochimiques et paléotraceurs | 3 | Semestre 1 | 21 | 0 | 3 | | | |

Charger le détail

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Variabilité et forçages du climat | 3 | Semestre 1 | 24.5 | 3.5 | | | | |

Charger le détail

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Isotopes dans l'environnement | 3 | Semestre 1 | 12 | 12 | | | | |

Charger le détail

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practic class |
|---|---|---|---|---|---|---|---|---|
| Santé et écotoxicologie | 3 | Semestre 1 | 24 | 3 | | | | |

Charger le détail

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Economie de l'environnement et des changements climatiques | 3 | Semestre 2 | 30 | | | | | |

Charger le détail

| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practic class |
|---|---|---|---|---|---|---|---|---|
| Projets sur les enjeux environnementaux | 3 | Semestre 2 | 1 | 3 | | | | |
| Charger le détail | | | | | | | | |
| Epistémologies et éthiques de l'environnement et du développement | 3 | Semestre 2 | 21 | | | | | |
| Charger le détail | | | | | | | | |
| Pollutions physiques et chimiques | 3 | Semestre 2 | 24 | | | | | |
| Charger le détail | | | | | | | | |
| Droit de l'environnement | 3 | Semestre 1 | 27 | | | | | |
| Charger le détail | | | | | | | | |
| Conférences sur l'Environnement | 3 | Semestre 1 | 20 | | | | | |
| Charger le détail | | | | | | | | |
| Ecologie et écosystèmes | 3 | Semestre 1 | 27 | | | | | |
| Charger le détail | | | | | | | | |
| Eau, sol, sous-sol | 3 | Semestre 1 | 27 | | | | | |
| Charger le détail | | | | | | | | |

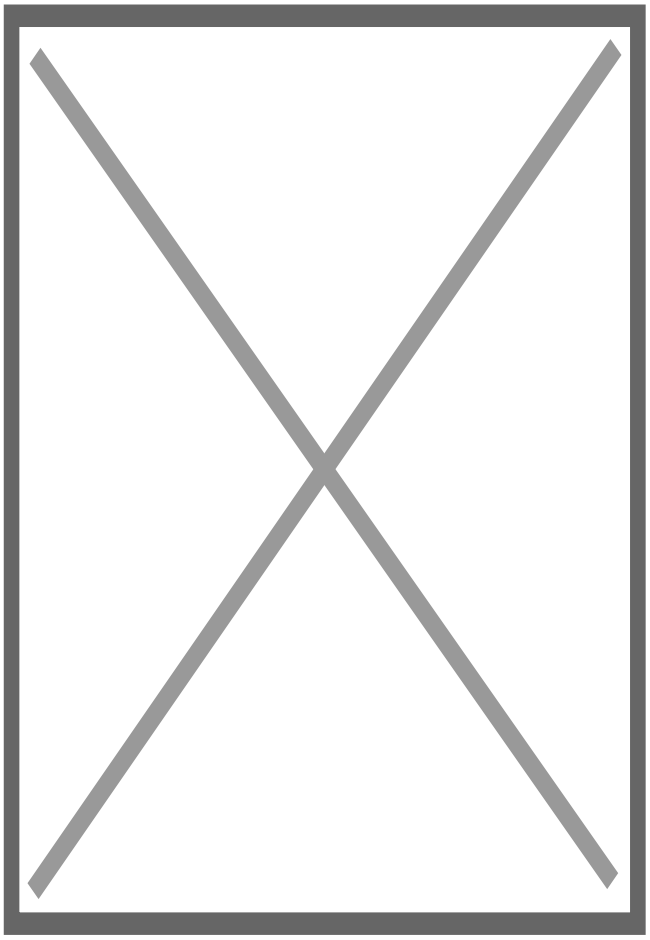
| Subjects | ECTS | Semester | Lecture | directed study | practical class | Lecture/directed study | Lecture/practical class | directed study/practical class | dis lea co |
|---|---|---|---|---|---|---|---|---|---|
| Stage de terrain et expérimental | 6 | Semestre 2 | | | 60 | | | | |
| Charger le détail | | | | | | | | | |
| Stage en laboratoire ou en entreprise | 6 | Semestre 2 | | | | | | | |
| Charger le détail | | | | | | | | | |

# Teaching Location(s)

ORSAY
GIF SUR YVETTE
GUYANCOURT

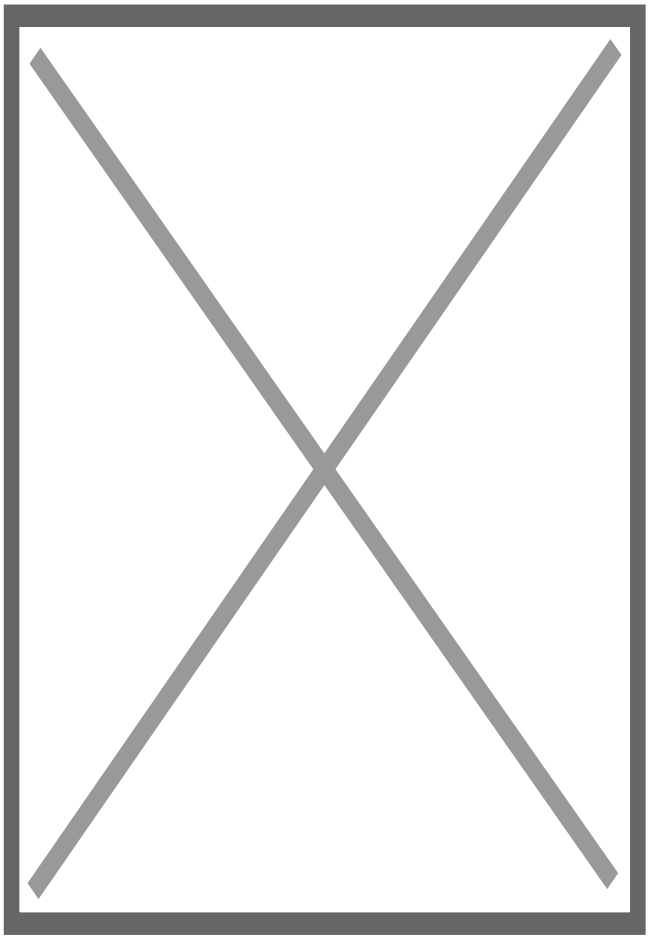
# Training campus

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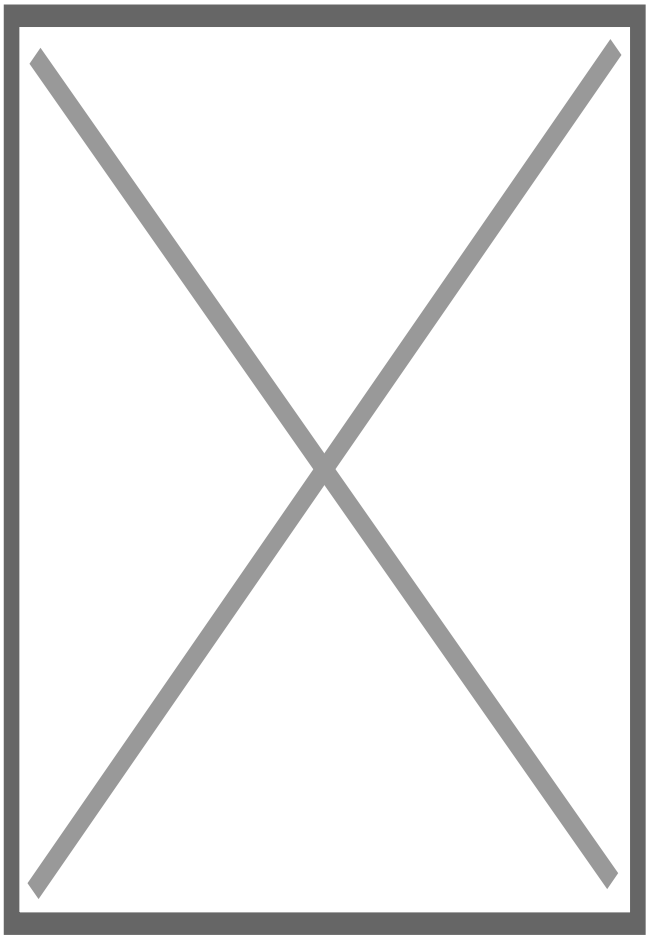
## Orsay Bures

Orsay / Bures-sur-Yvette
Bus 4607, 4626
RER B Orsay ville ou Bures-sur-Yvette
Voir
Library
Community center



## Saclay Moulon

Saclay / Gif-sur-Yvette / Orsay
Bus 4606 / 4609 / 4611 / 5154
RER B Le guichet
Voir
Student restaurant (CROUS)
Library
Sports facilities
Student residence



**Saint-Quentin-en-Yvelines**

Saint-Quentin-en-Yvelines
Bus 5103, 5150, 5198, 7807
RER C Saint-Quentin-en-Yvelines
Voir
Student restaurant (CROUS)
Student residence
Library

# Contact

- **Cyril SZOPA**
- **Charlotte SKONIECZNY**
- **Yves Missenard**

http://www.universite-paris-saclay.fr/formation/master/sciences-de-la-terre-et-des-planetes-environnement/m1-comprendre-les-changements-climatiques-du-passe-au-futur