

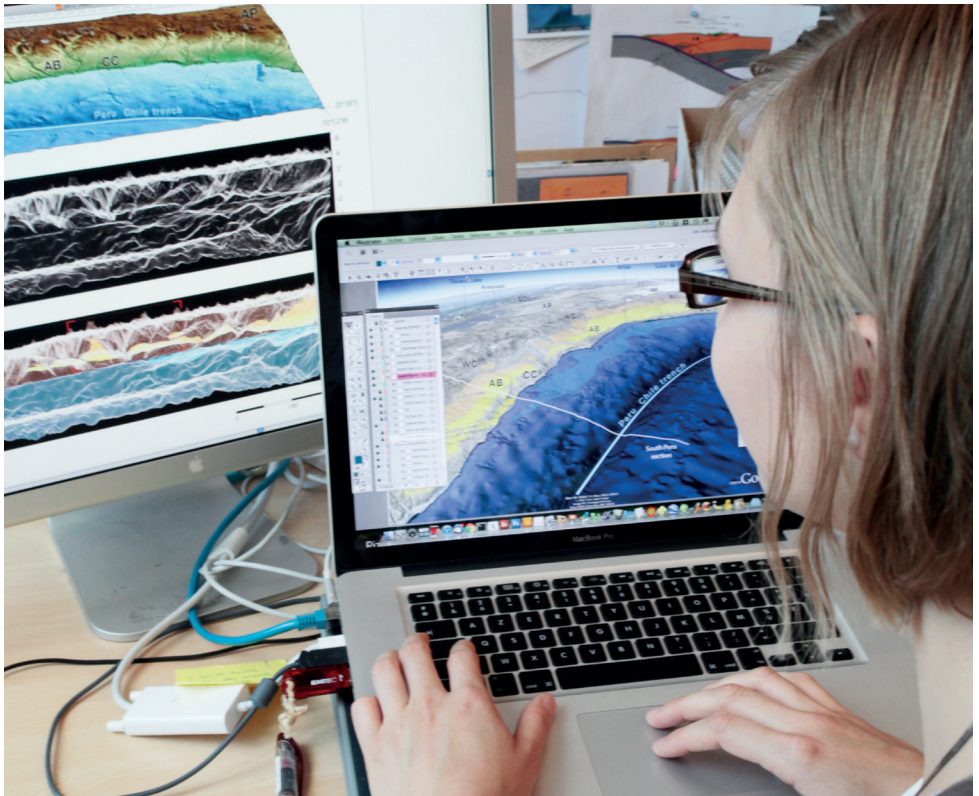
# IMSES Curriculum

## International Master in Solid Earth Sciences

Master Sciences de la Terre et des Planètes, Environnement

### Invitation to cutting-edge geosciences in IPGP, open to international students

The International Master in Solid Earth Sciences (IMSES) is a one-year program set up at the second year of the European Master level. Its objective is to train top-level solid-earth geoscientists in the fields of geophysics, geology or geochemistry. A maximum of 10 students coming from all over the world are admitted each year, with the possibility for non-French students to be awarded a fellowship. A wide range of courses are available, all taught in English. Training through research work and complex problem solving allows IMSES graduates to subsequently pursue a PhD in academia or work in industry.



## Requirements

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Minimum four years of undergraduate/master's degree, European M1 level or USA/ Asian B4 (senior) equivalent, in (geo-) physics, (geo-) chemistry, geology, computer science, mathematics and/or engineering. Fluency in English is required.

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## Possible fellowship

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Apply to Université Paris Cité SMARTS-UP scholarship.

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## Maximum number of students

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10

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## Head of program

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Hélène Carton | carton@ipgp.fr

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## Administrative contact

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scol-master@ipgp.fr

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## Organization of the year

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Course works from September to January,  
research internship from February to June in academia or industry.

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**Available courses:** Advanced petrology; Biogeochemical cycles; Cosmochemistry; Critical metals for the energy transition; Early Earth and life; Earth Data Science; Geochemical modeling; Geological fluid dynamics; Global geochemical cycles; Inverse problems; Local and global tomography; Master class: space academy; Numerical modeling: earthquakes, gravitational flows and tsunamis; Oceanic lithosphere; Organics in the Earth and beyond; Physics of natural and contaminated sites; Remote sensing of tectonic and volcanic deformation; Remote sensing of the hydrosphere and cryosphere; Scientific computing for geophysical problems; Seismic cycle: from earthquakes to deformation; Seismic imaging and full waveform inversion; Volcanic systems. Field trip: Living faults in Greece; Marine seismic field trip; Volcanic observatory field trip; French as a foreign language.

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## Application procedure

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**Non-European students** are invited to apply via *Études en France*.

Eligible countries:

[www.campusfrance.org/fr/faq/quels-sont-les-pays-relevant-de-la-procedure-etudes-en-france](http://www.campusfrance.org/fr/faq/quels-sont-les-pays-relevant-de-la-procedure-etudes-en-france)

N.B: If your country of residence is not included in this list, you must apply via *eCandidat*.

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**European students** are invited to apply via *eCandidat*.

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[www.ipgp.fr/masters](http://www.ipgp.fr/masters)

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