Université de Lille

Paleontology, geoconservation, applications

Master Biodiversité, écologie et évolution

Durée
2 ans

Composante
Faculté des sciences et technologies

Langue(s) d'enseignement
Anglais

Présentation

In response to societal demands for a better understanding of geobiological processes such as the ones triggering ecological crisis as we experience today, and to new considerations of geological archives as scientific and societal heritage, but also as a limited resource to be managed in a sustainable way, numerous applications of palaeontology (such as environmental micropaleontology , science communication and journalism, heritage management and environmental protection) appeared the last decade. The objectives of Pangea Program is, by integrating strengths within a consortium of 4 acknowledged European universities and associated partners, to respond to the academic challenges raised by these renewed needs in palaeontological expertise.

Savoir-faire et compétences

Knowledge and skills blocks
The master's programme is organised into different knowledge and skills blocks (BCC):
BCC - Acquire the general knowledge necessary to understand past and present ecosystems, both degraded and natural
BCC – Conduct an environmental assessment of the current and past situation and/or a research protocol
BCC - Implement a current or past environmental study and/or scientific project, either individually or collectively, and build your professional project by communicating with tools adapted to different audiences

The educational aim of the programme is to qualify students to a level of excellence in one of the three specialized fields of Earth Sciences: Palaeobiology, Geoconservation and Applied Palaeontology. The common goals of these three streams include development of the following abilities:

- To conduct independent analysis, to define a thesis in Earth Sciences (problem) and to construct a research programme based on existing knowledge, literature and independent observations,
- To solve complex problems including the independent use of observation, measurement and model methods,
- To present project results comprehensively, both orally and in writing,
- To work in a team, both in a leading function or within a collaboration.

By bringing together forces and specialization, students will be offered 3 complete tracks targeting 3 possible professional integrations depending their sensibility and professional project.

Formation internationale : Doubles diplômes, diplômes conjoints, Erasmus Mundus

Les + de la formation

A STRONG CONSORTIUM

The University of Lille (France), Uppsala University (Sweden), the University of Minho (Portugal) and the National and Kapodistrian University of Athens (Greece), capitalising on their existing collaborations, and their complementarity in terms of specialisations, working methods, and collaboration

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partners produces a programme that could not be offered by one organisation alone.

The University of Lille is in charge of the general coordination and initiation of the Pangea programme activities in collaboration with the partners.

The Academic Board or Executive Board is formed by the local coordinators of each partner university (Lille, Uppsala, Athens and Minho). This Academic Board meets at least twice a year (or more often if necessary). It coordinates the programme's development and delivery and acts as a forum consultation and cooperation for the implementation of the Pangea Master Programme through Partner institutions.

Organisation

Organisation

The master's programme is presented at https://master-pangea.eu

Stages

Stage : Obligatoire

2 stages obligatoire : 1 au S2 et S4.

Admission

Conditions d'admission

For European students an no EEF students: Application: Submit your application by following this link: https://monmaster.gouv.fr
For EEF students: Etudes en France : https://www.campusfrance.org/fr/candidature-procedure-etudes-en-france

And European Platform for the Erasmus mundus

Et après

Poursuite d'études

After completing this master's degree, the student can continue his studies with a PhD.

Insertion professionnelle

The job market for this programme is international. The PANGEA programme trains students for careers as: exploration geologists, environmental engineers, biostratigraphers, micropalaeontologists, collection curators, geopark managers, science communicators, lecturers or researchers (after completing a PhD). In sectors such as: the prospecting and extractive industries (oil/gas, sedimentary minerals, etc.), environmental consulting firms, public research institutions, museums and natural history museums, nature reserves, geoparks, science centres, etc.

Pour en savoir plus sur l'insertion professionnelle des diplômés de l'Université de Lille, consultez les répertoires d'emplois publiés par l'ODiF (Observatoire de la Direction des Formations)

Les fiches emploi/métier du Répertoire Opérationnel des Métiers et des Emplois (ROME) permettent de mieux connaître les métiers et les compétences qui y sont associées.

Infos pratiques

Autres contacts

Contact administratif et pédagogique :

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master-pangea@univ-lille.fr

Lieu(x)

Villeneuve d'Ascq

Campus

Campus Cité scientifique

En savoir plus

Faculté des Sciences et Technologies
https://sciences-technologies.univ-lille.fr/

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