



Science for a
changing planet

Graduate programme

'Science for a Changing Planet'

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 Université
de Lille



Context and objectives

Paleontology ✧ Circular economy ✧ Biorefineries ✧ Materials
✧ Energy ✧ Atmosphere ✧ Evolutionary biology ✧ Combustion
✧ Recycling ✧ Nuclear-based technologies ✧ Catalysis ✧
Earth mantle ✧ Spectroscopy ✧ Sustainability ✧ Biodiversity
✧ Paleoclimatology ✧ Radionuclides ✧ Astrochemistry ✧
Climate ✧ Aerosols ✧ Environment ✧ Fire resistance

- ▶ Our planet is facing various issues including climate change and environmental degradation leading to severe consequences on ecosystems and biodiversity
- ▶ Global transitions are answers for a more sustainable world. To target such complex issues, an **interdisciplinary approach** is required.
- ▶ One of the objectives of the Graduate Programme « Science for a Changing Planet » is to prepare students (PhD and Master degrees) for a future career in this domain.
- ▶ The Graduate Programme proposes **9 Master degrees** addressing three main challenges:
 - **understanding and monitoring planet changes**
 - **seeking alternative solutions to the exploitation of fossil resources**
 - **evaluating the impact of global changes on earth, people and societies.**

Masters degrees included in the Graduate Programme 'Science for Changing Planet'

Bachelor degree in Physics, Chemistry, Biology, Earth Sciences

M1



M2



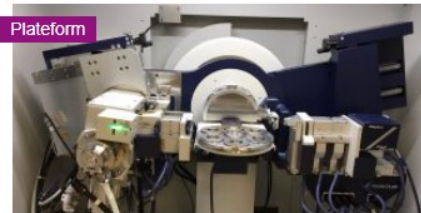
PhD in the Graduate School « Materials, Radiation and Environmental Sciences »

Career in the industry

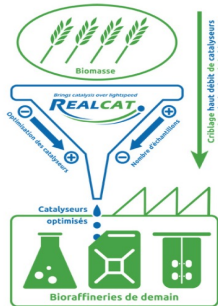
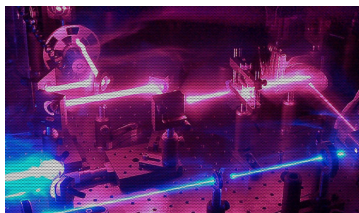
Training strongly oriented towards research

- ▶ Strong implication of Master students in lab research (for example Master IRACM, students spend 50% of the time in Labs)
- ▶ Access to cutting-edge equipments :

institut
Chevreul



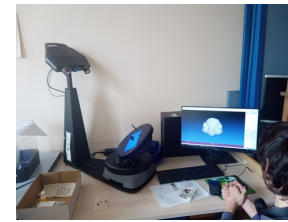
cerla



Plateforme d'Observation
(LOA)



3D surfacic scan



PC2A

Climibio

Labex
CaPPA

LOG

UMET
Unité Matériaux Et Transformations

IRePSE
Lille
Institut de Recherche Publicitaires en Sciences de l'Environnement

PhLAM

Evo-Eco-Paléo

BioEcoAgro

LILLE

LASIRE

IMT Nord Europe
Ecole Mines-Télécom
IMT-Université de Lille

Labex
CaPPA

Special actions



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- ▶ Special courses on soft skills (**project management, scientific communication**)
- ▶ Afterwork seminars to help students to build their future career and develop a professional network

Published: 04/04/2024

ENVIRONNEMENT



The Graduate Programme recently had the honor of hosting Pr. Thomas Fauchez, a true space pioneer, who shared his experiences from the renowned NASA. From space conquest to cutting-edge discoveries, Thomas Fauchez enthralled us with the challenges and wonders of his career.



Special actions

- ▶ Special courses on soft skills (**project management, scientific communication**)
- ▶ Afterwork seminars (**on a monthly basis**) to help students to build their future career and develop a professional network
- ▶ End of the year event

PhD unity network: a group of PhD students are involved in the organization of events or seminars for the GP



The benefits



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As a doctoral student and if your thesis topic has been awarded a label by the Graduate Programmes:

- you can access the master's classes taught as part of the Graduate Programmes
- you're invited to events organised as part of the Graduate Programmes, (summer schools, Inaugural Conferences, Afterworks, etc.)
- you can contribute to the organization of Graduate Programmes events, (Afterwork seminars, End-of-year conference, etc.)
- you can secure a supplement to your diploma indicating the 3 core competencies acquired:
 - interdisciplinary skills,
 - international experience
 - capacity to work in public sector research or R&D in the private sector
- you can benefit from an International Mobility Grant for a mobility project.
- you will have the opportunity to share knowledge with other students as a lecturer or tutor and thereby develop your teaching skills.



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International Mobility Grant

The Graduate Programmes of the University of Lille offer International Mobility Grants for Masters and PhD students involved in the Graduate Programmes.

Calendar

	APPLICATIONS	RESULTS
#1 CALL	15 October - 15 November	15 December
#2 CALL	1 March - 31 March	31 April

3000 euros maximum



<https://graduate-programmes.univ-lille.fr/en/>

Criteria for obtaining the Graduate Programme diploma supplement at the end of the doctorate

International	Interdisciplinarity	Preparation for the career path	
		Awareness of the professional environment	Collective action and mediation
<p><input type="checkbox"/> To have performed an incoming international mobility to complete the master or the PhD</p> <p>Or</p> <p><input type="checkbox"/> To have performed a cumulative international mobility of at least one month including a stay in an academic laboratory or in a company abroad or a participation in an international summerschool</p> <p>And</p> <p><input type="checkbox"/> To have participated in an international conference</p>	<p><input type="checkbox"/> To have attended all seminars or interdisciplinary activities proposed by the attached Graduate Programme or by another Graduate Programme of the University of Lille</p>	<p><input type="checkbox"/> To have participated in career preparation courses offered by the doctoral college, the doctoral schools or the Graduate Programme^a</p> <p>Or</p> <p><input type="checkbox"/> To have attended at least one action to prepare for a career: Doctoriales, StartDoc...</p> <p>Or</p> <p><input type="checkbox"/> To have performed an internship or an assignment in a company (in France or abroad) for a minimum of 1 month</p> <p>^a Recommended professional units from the following:</p> <ul style="list-style-type: none"> • Ethics/open access/DMP And Intellectual property management (SATT) • Ethics/open access/DMP. • Responsible research and innovation for global transition • Digital Identity • International careers • Apply for international jobs • Managing your citations effectively • Management and Networking • Business culture • Career planning • Management • Entrepreneurial methods 	<p><input type="checkbox"/> To have sponsored^b a master student within the Graduate Programme</p> <p>Or</p> <p><input type="checkbox"/> To have actively participated in at least one scientific mediation action</p> <p>Or</p> <p><input type="checkbox"/> To have actively participated in the organization of events within the Graduate Programme</p> <p>Or</p> <p><input type="checkbox"/> To be an active member of a doctoral student association (1 year minimum)</p> <p>^b providing a personal accompaniment of the master student through meeting twice a year, concretized with a one-page follow-up report; for 2nd or 3rd year PhD students.</p>

Interested in joining the Graduate Programme Science for a Changing Planet,
Scan here



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* make sure you contact the relevant email address for faster processing