# Université Paris Cité

# Master Approches interdisciplinaires de la recherche et de l'enseignement – Parcours : Approches interdisciplinaires pour la santé planétaire

## SCIENCES, TECHNOLOGIES, SANTÉ

## Présentation

**Forging Interdisciplinary Solutions for Planetary Health**

Since 2006, the Learning Planet Institute (LPI) has been at the forefront of interdisciplinary education, culturing leaders capable of addressing humanity's most pressing issues through innovative collaboration. The Master of AIRE, hosted by LPI and accredited by Université Paris Cité, is designed for students aiming to address global challenges related to sustainability and planetary health through creative and interdisciplinary approaches.

## OBJECTIFS

**A Unique Learning Journey.** The Master of AIRE transcends traditional academic boundaries by:

* Integrating insights from life sciences, physical sciences & engineering, social sciences & humanities

* Fostering a deep understanding of complex living and social systems within environmental contexts

* Emphasising the interconnectedness of diverse fields and their critical relevance to sustainability and planetary health

**Innovative Curriculum Design.** Our programme is built on three core pillars:

1. Research-Led, Inquiry-Based and Project-Based Learning: Empowering students to become independent thinkers and problem-solvers

2. Planetary Engagement: Developing leadership skills for SDGs and navigating uncharted waters

3. Social and Scientific Entrepreneurship: Providing strong foundations for designing effective, real-world solutions

**Experiential Learning at Its Core.** Students benefit from:

* Hands-on experience through internships and laboratory work

* Collaborative projects with LPI's extensive international network of researchers and practitioners

* Opportunities to work on real-world projects, applying theoretical knowledge to practical challenges

**Developing Future Leaders.** The Master of AIRE cultivates:

* Critical research and analytical thinking skills

* A deep understanding of the societal implications of knowledge application

* The ability to address complex global challenges with creativity and rigour

* Leadership capabilities essential for driving transformative change in planetary health and sustainability

## COMPÉTENCES VISÉES

**Systems Thinking & Complexity:** Develop an understanding of the complexity and interdependence of sustainability & planetary health-related issues

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**Critical Thinking:** Cultivate the ability to critically assess information, formulate questions, and evaluate sustainability initiatives

**Collaboration & Communication:** Enhance skills in teamwork and inclusive collaboration across multidisciplinary teams

**Ethical Decision-making:** Engage in ethical practices and promote equity and justice in sustainability initiatives

**Interdisciplinary Work:** Learn to collaborate across disciplines to develop innovative solutions for planetary health challenges

**Creativity & Innovation:** Develop creativity and innovation in designing solutions for sustainability through FabLab projects for Frugal Prototyping.

**Digital Literacy:** Expand your proficiency in using digital/AI tools and platforms to support sustainability efforts.

# Programme

## ORGANISATION

**M1 year**

We believe that tackling complex global challenges requires a holistic approach, one that integrates diverse perspectives and disciplines. The first year of the program (M1) will help you navigate uncharted waters thanks to core courses from different disciplines and a four-month-long internship. Here, you will not just learn; you will collaborate, explore, contribute and innovate, developing the critical thinking skills and interdisciplinary expertise needed to become a true changemaker in the field of planetary health.

**M2 year**

In the second year of the program (M2) your learning journey will focus on real-world impact on planetary health.

The M2 curriculum combines theoretical courses in Critical Research Analysis, Research Methodology, and Social Entrepreneurship with practical experiences in co-designing interdisciplinary research projects for sustainable solutions alongside PhD students and peers. Central to this experience is the 2 to 3 internships, each lasting 3 to 5 months, which offer a unique opportunity to explore diverse fields, acquire new skills, and define your professional path. Whether you aspire to pursue a PhD, build a career in the public or private sector, or launch your initiative to address pressing global challenges, the M2 programme prepares you to shape your future and make a meaningful global impact.

## STAGE

**Stage :** Obligatoire

**Durée du stage :** M1 : 4 to 6 months, M2 1st semester : 4 to 5 months, M2 2nd semester : 4 to 5 months

**Stages et projets tutorés :**

\*    **M1 students** are required to undertake a minimum of **four-month internship during the 2nd semester,** either in France or abroad (upon validation by the pedagogical team). This internship represents a critical opportunity for students to apply the knowledge and skills acquired during their intensive first-semester courses. It also allows them to explore and expand into their areas of interest, gain invaluable experience, and understand the dynamics of executing interdisciplinary projects in various real-world settings.

\*    **M2 1st semester** : This is the first of the two mandatory internships in our M2, and it must be performed in the Parisian area as it is mandatory to follow first semester courses at the Learning Planet Institute. It is an internship of 4 or 5 months in the organization of your choice, and you will defend it with an oral presentation in February.

\*    **M2 2nd semester :** This is the second mandatory internship that you will have to perform in M2. It can be done abroad. It is an internship of 4 or 5 months in the organization of your choice, and you will defend it at the end of the year in June with an oral presentation.

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**Important:** All internships/projects are expected to align with the LPI's values, mission, and the objectives of the Master of AIRE program, as well as support the Sustainable Development Goals (SDGs), promote planetary health, foster interdisciplinarity, and be tailored to students' backgrounds and future aspirations.

# Admission

This programme is ideal for passionate individuals from diverse academic backgrounds - Life Sciences, Physical Sciences and Engineering, Social Sciences, and Humanities who aspire to drive change in sustainability and planetary health. It is a two-year, English-taught programme tailored for high-level, internationally oriented students.

## ATTENDUS

Applications must be submitted through the Master of AIRE Application Portal. The selection process for the Master of AIRE program is rigorous and aims to identify students with a strong interest in interdisciplinarity, a demonstrated commitment to innovation and research, as well as a solid academic and professional background.

* Proven interest in Interdisciplinarity
* Involvement/Interest in SDGs and Planetary Health
* Academic background
* Motivation statement/letter
* Reference letters (02 minimum)
* Research/internship interest
* Future aspirations/plans

**English proficiency:** Proficiency in English is mandatory as all courses are conducted in English, ideally C1 level is expected.

**French proficiency:** French is strongly recommended, ideally A1-A2 level, given the compulsory internships throughout the program, it is essential to reach an A2 level in French quickly to increase your opportunities.

**Droits de scolarité :**

**The current annual tuition fee for the master's degree is 250€ + 100 € CVEC**

**Date de début de candidature :** 17 févr. 2025

**Date de fin de candidature :** 7 avr. 2025

**Date de début de la formation :** 7 sept. 2025

# Et après ?

## TAUX DE RÉUSSITE

Above 90%

## DÉBOUCHÉS PROFESSIONNELS

Scientific research engineer

E-learning engineer

Pedagogical engineer

Multimedia educational engineer

Biomedical research engineer

Scientific research computer scientist

Scientific research digital engineer

International scientific coordinator

Human and social sciences research officer

Network coordination

Promotion of research officer

# Contacts

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# Université Paris Cité

## Administrative contact

master-aire@learningplanetinstitute.org

## En bref

**Composante(s)**

UFR de Médecine

**Niveau d'études visé**

BAC +5 (niveau 7)

**ECTS**

120

**Public(s) cible(s)**

- Étudiant
- Apprenti - Alternant

**Modalité(s) de formation**

- Formation initiale
- Formation professionnelle
- Formation en alternance

**Langue(s) des enseignements**

- English

**Capacité d'accueil**

M1 : 25, M2 : 40

**Lieu de formation**

LPI - Learning Planet Institute

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