

Mastère Spécialisé[°] EnvIM INTERNATIONAL ENVIRONMENTAL MANAGEMENT

EnvIM “International Environmental Management” is a post-Master’s programme designed for graduates* holding a Master’s degree or young professionals who want to complete their curriculum with a specialization in the field of environmental management in an international context. The programme is open to applicants with diverse backgrounds and university curricula.

This international training programme is nourished by an innovative and practical pedagogy resting on lectures and projects. Faculty and professionals involved in this programme provide students with a strategic and forward-looking vision and introduce students to new concepts, state-of-the-art scientific developments, innovative management practices, and what is at stake for future environmental manager in a world in transition. Through lectures, open discussions, shared moments with academic partners, or various collective projects on real-life professional situations and case studies, students have direct feedback about complex environmental issues, considering holistic approaches, environmental assessment tools and decision making processes.



Mines Paris PSL and Academic Partnerships

EnvIM programme was created in 2007 as a high-level academic programme in environmental fields. Within MINES Paris PSL, EnvIM is one of the training programmes organized by ISIGE Institute, which belongs to the Earth and Environmental sciences Department situated on the Fontainebleau Campus. ISIGE objectives through these programmes are to train students and professionals to join companies, public institutions and NGOs and be part of the solutions for challenges we are facing today regarding planetary boundaries, just and fair transitions and sustainability strategies.

Mines Paris PSL trains engineers to meet today’s and tomorrow’s challenges, world-class leaders with scientific excellence. As stated within its strategic plan, the school aims to be a reference in the fields of innovation and entrepreneurship. It is therefore developing an important research effort in the fields of energy transitions, materials for more sustainable technologies, mathematics and digital engineering in order to equip the transformation of industry, including health. All these works are fostered in a spirit that remains faithful, since its creation in 1783, to the school values of solidarity and openness towards the society. MINES Paris PSL has currently 18 research centres in innovative scientific disciplines, at the


* for Penn students, students from partner Universities, and other particular cases, refer to “admission and eligibility”

intersection of engineering sciences, natural sciences and social sciences. Its high academic excellence and innovative pedagogy, with a low student/professor ratio, guarantees individualized support and personal guidance, thanks also to professionals and experts from the world of industry.

EnvIM Curriculum

This post-Master's programme leads to a MINES Paris PSL "Mastère Spécialisé®" diploma, accredited by Conference des Grandes Ecoles, in **International Environmental Management**. This full time programme is entirely offered in English. EnvIM is specifically designed for graduates having a first experience in an international context, or in the objective of an international professional project, who will learn about European practices and acquire new knowledge and new competences for their professional careers.

Timeline of the programme

	
Academic period January to May – 450h	5 to 6-month applied study Thesis writing and defence
Mines Paris PSL, France	internship or position in a Company, institution, or organization

EnvIM is a 12-month programme, it consists of an academic period on 5 months from January to mid May, followed by a 5 to 6-month professional period in a company or organization, preparing a professional thesis and its defence in Paris, in December.

Programme outline

The programme is divided into 5 main blocks, each is design with a theoretical part and an applied part through case studies, projects, and workshops. Lecturers are academics and professionals

Block 1 : Defining socio-environmental challenges from a physical, ethical and management perspective (2 weeks)

In this block, the main socio-environmental challenges are described from a physical, ethical and management perspective. The block encompasses fundamentals of earth physics within the framework of planetary boundaries, as well as key insights from sustainability strategies within companies and environmental European law

- The planetary boundaries,
- Climate change fundamentals, climate governance and financial aspects
- Introduction to international environmental law, with a focus on European environmental framework
- Ethics and companies, and corporate social responsibility

Block 2 : Management of transition, assessment tools and approaches for decision makers for Pollution, Climate and Resources management (5 weeks).

In this block, the environmental challenges are analysed from a life cycle thinking perspective, and classes are organised around the transformation of practices, tools and business models associated with one such approach of decision making

- Waste management and recycling from linear to circular economies.
- Ecodesign and life cycle thinking tools – life cycle analysis
- Net zero agenda put into practice: carbon footprint, prospective scenarios, etc.

Block 3 : Management of environmental and social impacts of international projects, with its stakeholders position (2 weeks)

In this block, students are exposed to classes on major tools to manage and mitigate environmental and social impacts in large international infrastructure projects, in a context of climate change, with a complex network of stake holders and their positions

- Introduction to Impact studies,
- how to finance large infrastructure projects, the role and position of project manager and its stakeholders
- Strategies for decision making in geopolitically uncertain and climate-wise constrained international context

Block 4 : Taking care of living matters, in companies and for sustainable and resilient supply chain, (3 weeks).

In this block, the attention is drawn to the importance of a more-than-human approach in environmental engineering, and the ways to integrate this perspective in sustainability strategies

- Making Biodiversity a matter of concern and a matter of care in project management
- Transitioning towards agroecology: how to develop an innovative set of criteria.

Block 5 : Business model for the transition (3 weeks)

The classes will revolve around the various facets of ecological transition with a focus on energy transitions (technical, sociopolitical, financial, geopolitical aspects), and the challenges associated with the development of international environmental green project management and “greener” business model development

- Examples of energy transition in developed and developing countries,
- Renewable energy and resources

Field trip : a field trip is organized each year during the academic part of the programme

Professional Thesis and Defence

The academic period is followed by a 5 to 6-month period in a company, a public institution or an NGO in the form of an internship or a job contract. During this period, students are asked to develop a project that will be unfold in a Professional Thesis, which is the culmination of the program. The subject of this professional period is proposed by the host institution, to solve current issues related to environment, energy or sustainable development, etc. in agreement with the programme coordinators. For the student, this is a chance to build on his or her prior studies and to use recently acquired skills from the post-Master’s programme by successfully carrying out a meaningful project in an international, professional setting. The professional thesis is meant as both an academic work and a significant

contribution for the institution hosting the internship: students must show realism, originality and innovation and emphasize the skills and knowledge developed in the programme.

The professional period can be organised in the frame of an internship, or a job period, or a "French International Internship Program" (V.I.E) for French students. Internships can happen anywhere (in France or outside of France), provided the topic is agreed upon with the programme coordinators. At the end of their internship period, student submit and defend their professional Theses in front of a committee of academics and professionals, which usually takes places between the end of November and mid-December.



After graduation

Hiring rates

Graduates from this programme have excellent hiring rates – more than 60% before graduation, 80% after 3 months - and quickly integrate leading industrial stakeholders, consultancy companies, small and medium enterprises, leading positions in public institutions or NGOs...

Student and alumni stories : <https://www.isige.minesparis.psl.eu/isige/lesetudiant-es/>

Community and Alumni Association

One major asset of this post-master's Programme is its community and alumni network, through ISIGE Alumni, and Mines Paris Alumni. Created in 1864, the Mines Paris Alumni network aims to represent the school in many countries, to help students in their administrative tasks, to assist the managing board in its strategic choices and to enhance the recognition of its programmes. The Alumni networks are administered by ISIGE Alumni, and Mines Paris PSL Alumni.

Admission and eligibility

EnvIM is designed for individuals with a wide variety of backgrounds and levels of experience. Successful students in the programme have come from diverse educational backgrounds such as economics, political science, natural sciences, engineering, or environment and sustainable development. Career objectives and reasons for choosing this program are discussed during the application procedure. A good English proficiency is required; classes and projects being conducted in English only

This programme welcomes applications from

- young graduates or professionals holding a master's degree or equivalent degree
- Bachelor's degree with at least 3 years of professional experience in environment or connected topics.

Exemptions for students from our partner Universities:

- Penn Master's Degree students can join the programme through the multi-Master's Degree in International Environmental Management programme, contact Dr. Yvette Bordeaux for eligibility.

<https://www.lps.upenn.edu/degree-programs/mes/curriculum/dual-degrees/iem>

Information about the applications deadlines, forms and templates are on our website.

<https://www.isige.minesparis.psl.eu/formations/apply-to-the-postmaster-envim/>

- admission opens in January each year for early applications, your application portfolio must be received by deadlines indicated on our application webpage (a maximum of three sessions are organised, early, regular and late applications, depending on the number of available positions). Applicants are encouraged to apply as early as possible, the number of places being limited (classes should not exceed 20 people)
- pre-selection based on the application portfolio
- upon eligibility, a written test then an interview is conducted, to discuss the applicant professional projects and motivation, and to ensure coherence with the programme. Interviews can be held by videoconference for students abroad.
- Acceptance into this program is determined by academic achievements, motivation, and interview



Tuitions and Fees

Tuitions and Fees includes the academic semesters for the whole program, but they do not include travel expenditures to join the programme in France or modules abroad, accommodation, visa fees, insurance, or transportation tickets in Paris and Ile-de-France. All the travel expenditures and accommodation during field trips are covered

Tuition and fees amount to €14,000 and registration fees are of €800

Financing the programme :

Most students finance the cost of the programme with their own funds or student loans. However, French banks generally require a guarantor located in France. In all cases, the 6-month period in a company or internship usually provides students with extra financial resources.

Financing for international students: this joint program does not offer any possibility to apply for a scholarship directly, students have to contact "Campus France" in their country, see their webpage and scholarships fitting nationality and background: <https://www.campusfrance.org/en>

Accommodation in France :

Mines Paris PSL campus is located in Paris (Boulevard Saint Michel) and a few projects or lectures are organised in Fontainebleau. The closest train station to the MINES Paris campus from Paris Gare de Lyon station - is "Fontainebleau - Avon" (40 minutes from Paris).

Websites and Contacts

<https://www.isige.Minesparis.psl.eu/formation/envim/>

<https://www.Minesparis.psl.eu/Formation/Masteres-Specialises/Masteres-Specialises-temps-plein/ENVIM/>

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