

Master in Environmental Science and Management

Focus Management of the environment

This Master programme uses an interdisciplinary approach, relying on both natural and human sciences (ecology, geology, economy, law, etc.). Furthermore, it is structured around environmental domains (water, soil, air, etc.), economic sectors (agriculture, industry, energy, etc.), and environmental issues (climate change, waste, etc.).

Bloc 1 | M-ENVIG | MA-ENVI

Tronc commun (avec la finalité Sciences de l'environnement)

- ENVI-F403 **Socio-environmental Dynamics** | Maria MANCILLA GARCIA (Coordinator)
⌚ 5 credits [lecture: 24h, practical work: 12h] 📅 first term 🗨 English
- ENVI-F405 **Climat: sciences et politiques** | Frank PATTYN (Coordinator)
⌚ 5 credits [lecture: 40h] 📅 second term 🗨 French
- ENVI-F409 **Economie écologique** | Thomas BAULER (Coordinator)
⌚ 5 credits [lecture: 24h, practical work: 12h] 📅 second term 🗨 French
- ENVI-F437 **Systèmes biologiques** | Sonia VANDERHOEVEN (Coordinator)
⌚ 5 credits [lecture: 36h] 📅 first term 🗨 French
- ENVI-F452 **Environmental impact analysis and management** | Wouter ACHTEN (Coordinator)
⌚ 5 credits [lecture: 24h, practical work: 12h, project: 24h] 📅 first term 🗨 English/French

Cours spécifiques de la finalité gestion de l'environnement

- ENVI-D500 **Epistémologie des pratiques environnementales** | Benoît TIMMERMANS (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 12h, cours global: 12h] 📅 second term 🗨 French
- ENVI-F002 **Compétences universitaires** | Wouter ACHTEN (Coordinator)
⌚ 5 credits [lecture: 6h, tutorial classes: 12h, practical work: 26h, project: 36h] 📅 academic year 🗨 French
- ENVI-F422 **Méthodes qualitatives pour une analyse interdisciplinaire** | Maria MANCILLA GARCIA (Coordinator)
⌚ 5 credits [lecture: 8h, tutorial classes: 10h, field trips: 12h, project: 56h] 📅 second term 🗨 French
- ENVI-F434 **Géohistoire des relations sociétés - environnement** | Jean-Michel DECROLY (Coordinator) and Chloé DELIGNE
⌚ 5 credits [lecture: 36h] 📅 first term 🗨 French
- ENVI-F454 **Energie: Société et environnement** | Michel HUART (Coordinator) and Nadine MATTIELLI
⌚ 5 credits [lecture: 30h, practical work: 12h, project: 24h] 📅 first term 🗨 French

Option dirigée

A total of ten credits chosen from the following

- ENVI-F4001 (optional) **Fonctionnement, gestion et traitement des environnements aquatiques** | Nathalie GYPENS (Coordinator) and Frédéric DEBASTE
⌚ 5 credits [lecture: 48h, field trips: 12h] 📅 second term 🗨 French
- ENVI-F438 (optional) **Circular Economy** | Wouter ACHTEN (Coordinator) and Prakash VENKATESAN
⌚ 5 credits [lecture: 36h, field trips: 8h, project: 8h] 📅 second term 🗨 English
- ENVI-F455 (optional) **Géoressources du sous-sol et anthropocène** | Corentin CAUDRON, Adel EL Gammal and Nadine MATTIELLI
⌚ 5 credits [lecture: 34h, seminars: 10h, field trips: 16h] 📅 second term 🗨 French

ENVI-F529
(optional)

Ressources: Genèse et environnement | Nadine MATTIELLI (Coordinator), Corentin CAUDRON and Michel HUART
🕒 5 credits [lecture: 22h, practical work: 6h, field trips: 12h] 📅 second term 🗨️ French

ENVI-L4110
(optional)

Compartiments environnementaux, production, consommation et leurs impacts sur la santé | Olivier VANDENBERG (Coordinator) and Valérie ROORYCK
🕒 5 credits [lecture: 12h, practical work: 48h] 📅 second term 🗨️ French

GEOG-F414
(optional)

Analyse des espaces urbains | Mathieu VAN CRIEKINGEN (Coordinator)
🕒 5 credits [lecture: 24h, project: 30h] 📅 first term 🗨️ French

TOUR-F407
(optional)

Transport, mobilités et environnement | Frédéric DOBRUSZKES (Coordinator)
🕒 5 credits [lecture: 24h, practical work: 6h] 📅 second term 🗨️ French

TOUR-F430
(optional)

Tourisme et environnement | Isabelle CLOQUET (Coordinator) and Anya DIEKMANN
🕒 5 credits [lecture: 18h, practical work: 18h, project: 42h] 📅 first term 🗨️ French



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Bloc 2 | M-ENVIG | MA-ENVI

Tronc commun (avec la finalité Sciences de l'environnement)

- ENVI-F510 **Droit de l'environnement** | Chiara ARMENI (Coordinator)
 5 credits [lecture: 24h] first term French
- MEMO-F530 **Mémoire de fin d'études** | Wouter ACHTEN (Coordinator), Thomas BAULER and Maria MANCILLA GARCIA
 20 credits [mfe/tfe: 240h] first and second terms

Cours spécifiques de la finalité Gestion de l'environnement

- ENVI-F003 **The life of environmental numbers** | Wouter ACHTEN (Coordinator), Thomas BAULER, Yves DE SMET and Maria MANCILLA GARCIA
 5 credits [lecture: 24h, practical work: 12h, project: 24h] first term French
- ENVI-F004 **Action pour changement** | Thomas BAULER (Coordinator), Maria MANCILLA GARCIA and Bonno PEL
 5 credits [lecture: 24h, practical work: 12h, project: 24h] first term French
- ENVI-F5001 **Questions approfondies de Gestion de l'Environnement** | Thomas BAULER (Coordinator), Wouter ACHTEN and Maria MANCILLA GARCIA
 5 credits [lecture: 12h, tutorial classes: 22h, practical work: 22h] second term French
- ENVI-F501 **Projet interdisciplinaire** | Thomas BAULER (Coordinator), Wouter ACHTEN and Maria MANCILLA GARCIA
 5 credits [tutorial classes: 16h, project: 120h] academic year French

Cours optionnels de la finalité Gestion de l'environnement

Choisir 15 crédits en Bloc 2

Up to 15 credits chosen from the following

- BING-F1001 (optional) **Sciences de la terre et du bioingénieur, environnement et société** | Pierre REGNIER (Coordinator), Jean-Michel DECROLY, Christian HERMANS, Frank PATTYN and Alizée Roobaert
 5 credits [lecture: 48h, seminars: 12h] first term French
- BIOL-F4005 (optional) **Social-ecological systems** | Farid DAHDOUH-GUEBAS (Coordinator)
 5 credits [lecture: 30h, tutorial classes: 6h, field trips: 12h] first term English
- ENVI-F4001 (optional) **Fonctionnement, gestion et traitement des environnements aquatiques** | Nathalie GYPENS (Coordinator) and Frédéric DEBASTE
 5 credits [lecture: 48h, field trips: 12h] second term French
- ENVI-F5002 (optional) **Psychologie de l'environnement, et de la communication** | Sabine POHL (Coordinator)
 5 credits [lecture: 24h] first term French
- ENVI-F529 (optional) **Ressources: Genèse et environnement** | Nadine MATTIELLI (Coordinator), Corentin CAUDRON and Michel HUART
 5 credits [lecture: 22h, practical work: 6h, field trips: 12h] second term French
- ENVI-L4110 (optional) **Compartiments environnementaux, production, consommation et leurs impacts sur la santé** | Olivier VANDENBERG (Coordinator) and Valérie ROORYCK
 5 credits [lecture: 12h, practical work: 48h] second term French

ENVI-L505 <small>(optional)</small>	Approches systémique, prévention et remédiation en santé environnementale Olivier VANDENBERG (Coordinator) ⌚ 5 credits [lecture: 21h, project: 18h, personal assignments: 21h] 📅 first and second terms 🗨 French
ENVI-L5210 <small>(optional)</small>	Nuisances intérieures, extérieures, contaminants de l'environnement et sécurité sanitaire Fabrice THIELEN (Coordinator), Olivier DENIS, Olivier MICHEL and Olivier VANDENBERG ⌚ 5 credits [lecture: 48h, tutorial classes: 12h] 📅 first term 🗨 French
ETHI-F201 <small>(optional)</small>	Sciences, éthique, histoire et société Grégoire Wallenborn (Coordinator) and Eric MURAILLE ⌚ 5 credits [lecture: 48h] 📅 second term 🗨 French
SOCA-D207 <small>(optional)</small>	Ethologie et sociétés Vinciane DESPRET (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
SOCA-D443 <small>(optional)</small>	Anthropologie du développement Véronique JOIRIS (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
SOCA-D455 <small>(optional)</small>	Sociologie des mobilités Pierre LANNOY (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French Ce cours ne sera pas donné en 2021-2022
SOCA-D471 <small>(optional)</small>	Agricultures, ruralités et mondialisation Laurence ROUDART (Coordinator) and Werner BOSMANS ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
SOCA-D494 <small>(optional)</small>	Sociologie de la ville Pierre LANNOY (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
SOCA-D4996 <small>(optional)</small>	Anthropologie de l'environnement Véronique JOIRIS (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
STAG-F027 <small>(optional)</small>	Stages Wouter ACHTEN (Coordinator) ⌚ 10 credits [work placement: 300h] 📅 academic year 🗨 French
TOUR-F407 <small>(optional)</small>	Transport, mobilités et environnement Frédéric DOBRUSZKES (Coordinator) ⌚ 5 credits [lecture: 24h, practical work: 6h] 📅 second term 🗨 French
TRAN-F201 <small>(optional)</small>	Introduction aux enjeux de la durabilité Wouter ACHTEN (Coordinator) and Chiara ARMENI ⌚ 5 credits [lecture: 24h, project: 24h] 📅 second term 🗨 French

