Master in Sustainable Management & Technology (SMT)
2009
7 boundaries assessed, 3 crossed

2015
7 boundaries assessed, 4 crossed

2023
9 boundaries assessed, 6 crossed

Source: Richardson et al. 2023
How can we implement sustainable technology?

How should firms be run for long-term thinking?

How should public policy be designed for shared prosperity?

How can markets and business models become circular?

The SMT master’s program trains students to be the leaders of a sustainable, inclusive, and resilient society.
For students...

✓ Who are passionate about sustainability
✓ Who want to be at ease in tech, econ, and management
✓ Who want a top education from 3 world-leading institutions
✓ Who want to help their peers be successful
✓ Who want practical experiences
✓ Who want to do impactful work and become agile leaders
How do we do it?

The curriculum builds competences along three dimensions, capitalizing on **three world leading academic institutions**

Prof. Michaël Aklin  
EPFL  
E4S Co-director

Prof. Olivier Gallay  
HEC-UNIL

Prof. Arnaud Chevallier  
IMD

Caroline Perrot  
Program Deputy

Prof. Jean-Philippe Bonardi  
E4S Co-Director
Class of 2023-2025

35 Students

18 women
17 men
Average age: 23

18 Nationalities
Concretely...

- 4 semester-program, in English
  - 3 semesters of courses and team projects (90 ECTS)
  - 1 semester: *projet de master*
  - Transformative projects
- **Technology**: data science, environment, climate, energy
- **Economics & management**: finance, accounting, strategy
- **Elective courses**
- ... *with sustainability as the guiding thread*
Transformative projects

**Aeler Technologies** | Business models for CO₂ savings

**Bloom** | Certified emission reduction to transform business models

**Logitech** | Circular economy model for Racing Sim Gear

**Richemont** | Zero waste manufacture

**SANU** | Glass bottle reuse ecosystem

**Swiss Post** | Green logistics for a circular economy

**UBS** | Decarbonizing the agricultural sector
Placement

Chief of Staff, Resilience Institute
Supply Chain Consultant, EyeOn
Scientific Collaborator, Enterprise for Society
Sustainability Project Manager, Rolex
Nature Analyst, Pictet
Sustainability Data Scientist, Quanthome
Climate Intern, Axa
Distribution and Business Development Specialist, Zurich
Research Officer, HEC-University of Lausanne
Digital Product Manager, SIG
Impact Investing Analyst, Phoenix Capital Group
Visiting Analyst, AENU
Business Development Specialist, Quantis Italy
Environmental Data Scientist Intern, Rolex
Associate Policy Analyst, Climate and Environment, UNDP
Jeanne | EPLF (math)
Nature Finance at Pictet

Sybille | UNINE (econ)
Sustainability Data Scientist at Quanthome

Eric | EPFL (microengineering)
Chief of Staff at Resilience Institute

Filippo | USI (econ)
Strategist at Quantis

Key skills...

Sustainability metrics and issues
Sophisticated data analysis
Understand complex systems
Design strategies and policies
Communication and leadership
Requirements for admission

✓ For **EPFL** students: average $\geq 4.5$

✓ Selection committee
  ✓ Proven interest in topics related to sustainability
  ✓ Exposure to quantitative methods

✓ Next deadline: March 31
Questions?

https://e4s.center/our-activities/education/e4s-smt-master/
<table>
<thead>
<tr>
<th>TECHNOLOGY (26 ECTS)</th>
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<tr>
<td>Course</td>
<td>ECTS</td>
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<tr>
<td>Data science and Machine Learning</td>
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<tr>
<td>Energy supply, economics and transition</td>
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<tr>
<td>Information security &amp; digital trust</td>
<td>4</td>
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<tr>
<td>Science of climate change</td>
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<tr>
<td>Statistics and data science</td>
<td>4</td>
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<tr>
<td>Sustainable logistics operations</td>
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<tr>
<td>Technology, sustainability and public policy</td>
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<tr>
<th>TRANSFERABLE SKILLS &amp; TEAM PROJECTS (18 ECTS)</th>
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<tr>
<td>Course</td>
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<tr>
<td>Complex problem solving in organizations</td>
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<td>Introduction to ethics and critical thinking</td>
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<tr>
<td>Managing effective communications</td>
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<td>Transformative Project</td>
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<tr>
<th>INTEGRATION WEEKS (9 ECTS)</th>
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<tr>
<td>Course</td>
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<tr>
<td>Improve your personal effectiveness</td>
<td>3</td>
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<tr>
<td>Improve your group effectiveness</td>
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<tr>
<td>Improve your organizational &amp; societal effectiveness</td>
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<th>MASTER PROJECT - INTERNSHIP (30 ECTS)</th>
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