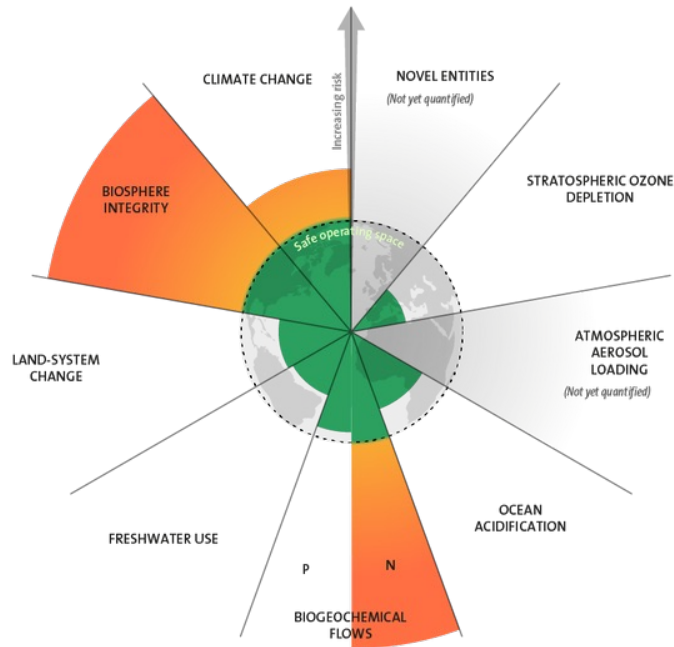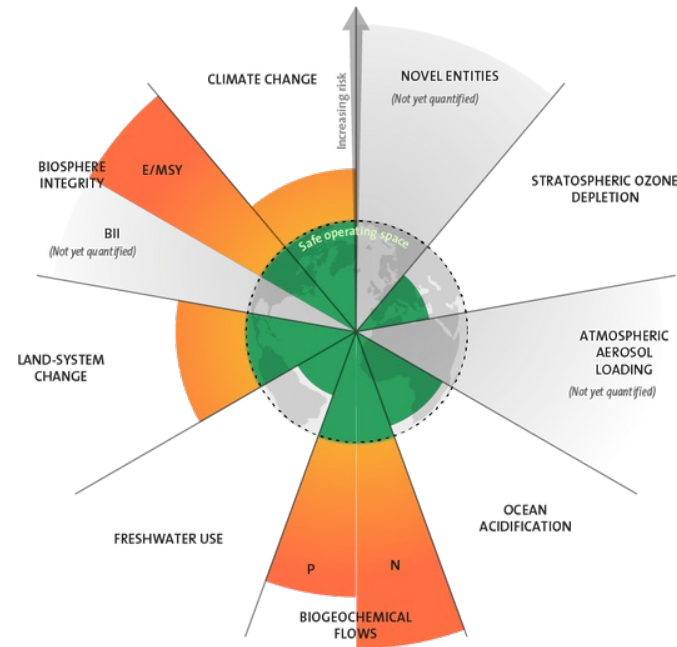# Master in Sustainable Management & Technology (SMT)

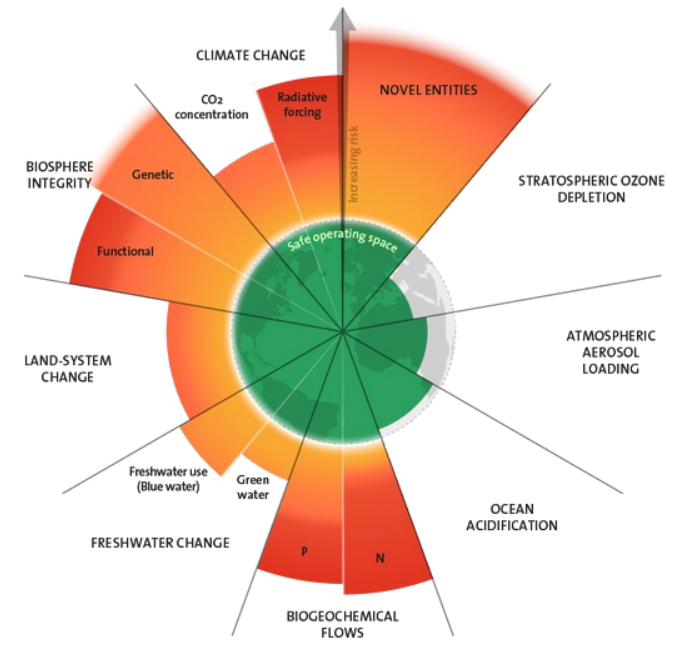2009 — 7 boundaries assessed, 3 crossed

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 compentences 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
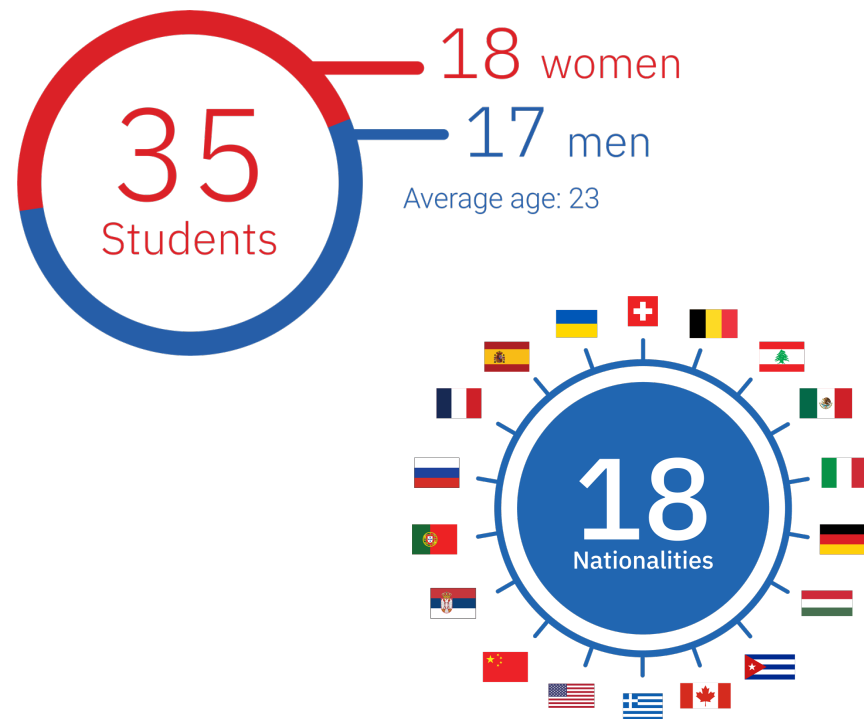
Concretely...

- 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 CO_2 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 >= 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/

TECHNOLOGY (26 ECTS)

Course	ECTS
Data science and Machine Learning	5
Energy supply, economics and transition	2
Information security & digital trust	4
Science of climate change	4
Statistics and data science	4
Sustainable logistics operations	3
Technology, sustainability and public policy	4

ECONOMICS & MANAGEMENT (23 ECTS)

Course	ECTS
Economics for challenging times	6
ESG accounting and reporting	3
Marketing and sustainability in a digital world	3
Platforms & digital business models	3
Strategy & disruption	3
Sustainable & entrepreneurial finance	5

TRANSFERABLE SKILLS & TEAM PROJECTS (18 ECTS)

Course	ECTS
Complex problem solving in organizations	3
Introduction to ethics and critical thinking	3
Managing effective communications	2
Transformative Project	10

INTEGRATION WEEKS (9 ECTS)

Course	ECTS
Improve your personal effectiveness	3
Improve your group effectiveness	3
Improve your organizational & societal effectiveness	3

MASTER PROJECT - INTERNSHIP (30 ECTS)