# Thinking Together the New Socio-Ecological Challenges and our Responsibility

# Introducing

## Description

The student is able to perceive changes in the way we inhabit the planet (history, anthropology)

The student is able to identify the nine thresholds of overshoot

The student understands the orders of magnitude of the impacts of human activities in the 20th and 21st centuries: carbon impact, atmospheric CO2 concentration, species extinction, biodiversity, environment, etc.

The student is able to identify the contribution of engineering to these impacts

The student is able to consider solutions, not just technical ones (avoiding techno-solutionism)

The student is able to develop a systemic vision of human impacts on the planet (climate fresco, systemic and complexity analysis)
The student is able to analyze and critically examine the use of numbers and figures relating to socio-ecological issues, and their various interpretations.

The student is made aware of the concept of environmental justice (climate fresco, ethics).

The student is able to question certain engineering activities and their uses.

## Objectives

Thinking Together New Socio-Ecological Challenges and Our Responsibility:
Understanding the limits of the Anthropocene and its consequences for our present: socio-ecological issues
Develop critical thinking and demonstrate reflexivity

## Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

# Practical info

## Location(s)

Toulouse