

## Why should labs care about sustainability?



Large environmenta footprint

- Energy use of labs is 10x highe than office spaces
- Significant use of natura
- Major production of plastic waste (EPFL produces 70 tonnes of plastic waste per year) and of chemical and biological waste (19 tonnes in 2021 for SV and STI)



Climate emergency

- According to the IPCC, limiting warming to 1.5°C requires immediate, drastic emissions reduction from all sectors of the economy. Every degree counts.
- Climate change causes an increase in natural catastrophes heat waves, floods, megafires, etc.



Political

- Electricity and natural gas supply shortages
- Volatility of raw materials availability
- EPFL is committed to halving its greenhouse gas emissions by 2030

# Our projects

Estimation of CO2 emissions of labs and core facilities

Environmental analysis (LCA) of the animal facilities

Electricity consumption measurement

Green labs certifications (LEAF)

### The CO2 calculator

A tool to estimate the greenhouse gas emissions at the laboratory level





Find emissions sources

Take action where it matters

### Analysis

Series of conferences and workshops (Green Academy) Good practice guide for labs (Green Labs Handbook) videos of sustainable lab practices (Green Labs Initiatives)

Awareness raising

Support of labs in lowering their footprint

Founding member of the Swiss Network for Green Labs

#### Actions / Collaborations

Support of student-led projects

Collaboration with SV-IN: purchasing, equipment use, waste, etc.



#### Our team

SV Sustainability is a unit of the SV deanship. The team closely collaborates with EPFL Sustainability (VPT) and sustainability teams in other Schools.



#### **Green Team**

A steering and consultation committee, composed of SV lab members and admin staff, which provides us with guidance and helps in promoting sustainability projects.

Comments, project ideas, questions about sustainability?