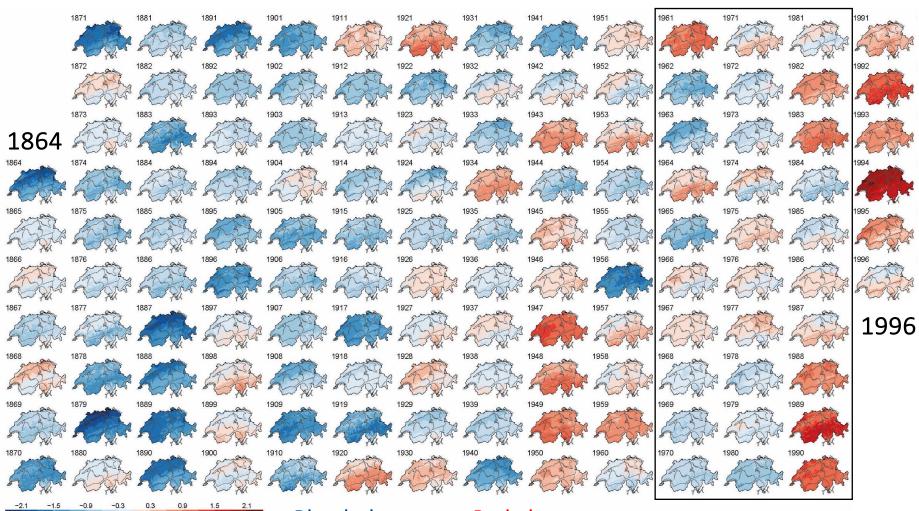


ANNUAL TEMPERATURE DEVIATIONS (°C) FROM 1961-1990 MEAN IN CH



+2.5°C 2022

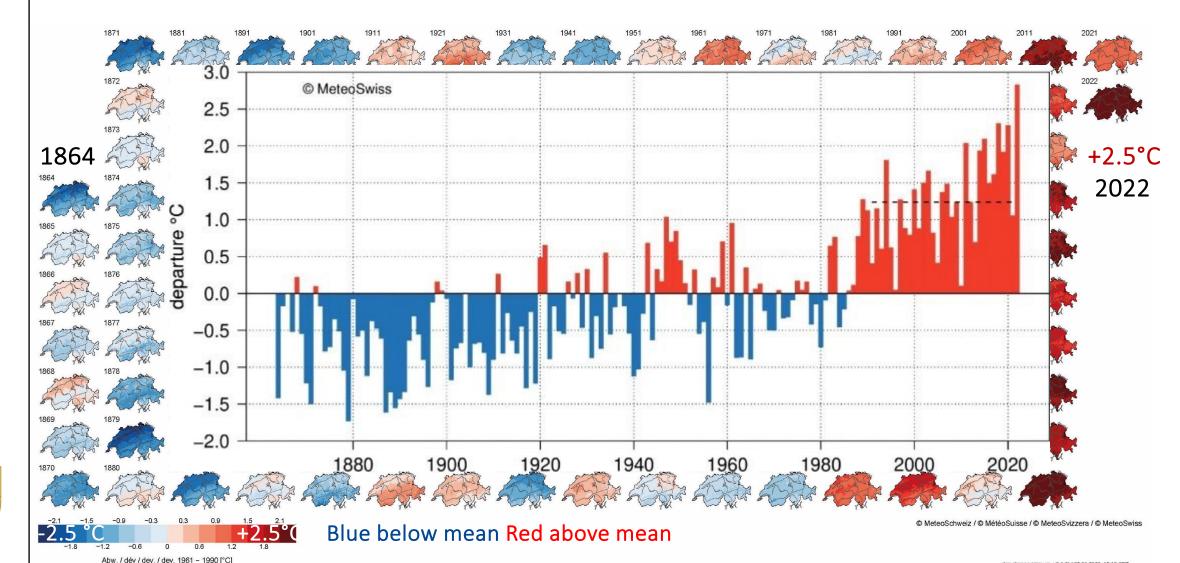


Abw. / dév / dev. / dev. 1961 - 1990 [°C]

Blue below mean Red above mean

© MétéoSuisse / © MeteoSvizzera / © MeteoSwiss

ANNUAL TEMPERATURE DEVIATIONS (°C) FROM 1961-1990 MEAN IN CH





Research



Zero-carbon energy transformation

Health and society

Resources and production

Resilient futures

Transport, cities and infrastructure

Carbon drawdown and climate repair

2038

Engagement

Sustainability in business

Sustainable industry

Evidence-based policy

Entrepreneurship

Economic resilience

Public engagement

Education

Sustainability in the curriculum

Graduate study

Living lab

Doctoral training

Primary education

Executive education/courses

Policy challenges collaboration

Decarbonisation

Reducing direct emissions

Renewable energy

Building for success

Addressing indirect emissions

Involving staff and students





2035



The world has a goal to reach net zero emissions

This platform, informed by leading climate researchers, brings together principles, policies, practical tools and progress tracking to help businesses and policy makers achieve that goal







REPORT FROM THE UNITED MATIONS'
HIGH-LEVEL EXPERT GROUP ON THE
NET ZERO EMISSIONS COMMITMENTS

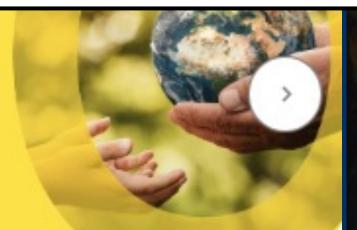


A comprehensive approach to emission reductions

- An equitable transition to net zero
- Cautious use of carbon dioxide removal and storage
- Effective regulation of carbon offsets
- Alignment with broader socio-ecological objectives
- Front-loaded emission reductions
- Pursuit of new economic opportunities

Chapt Zero:

oom toolkit





HG Emissions Cald





ETH ZURICH

- using scientific expertise in areas of societal relevance
- intensifying activities in research, technology & knowledge transfer
- fostering talent recruitment
- addressing management of combined crises – including climate, biodiversity, energy & food
- training students to reach
 Net Zero by 2030

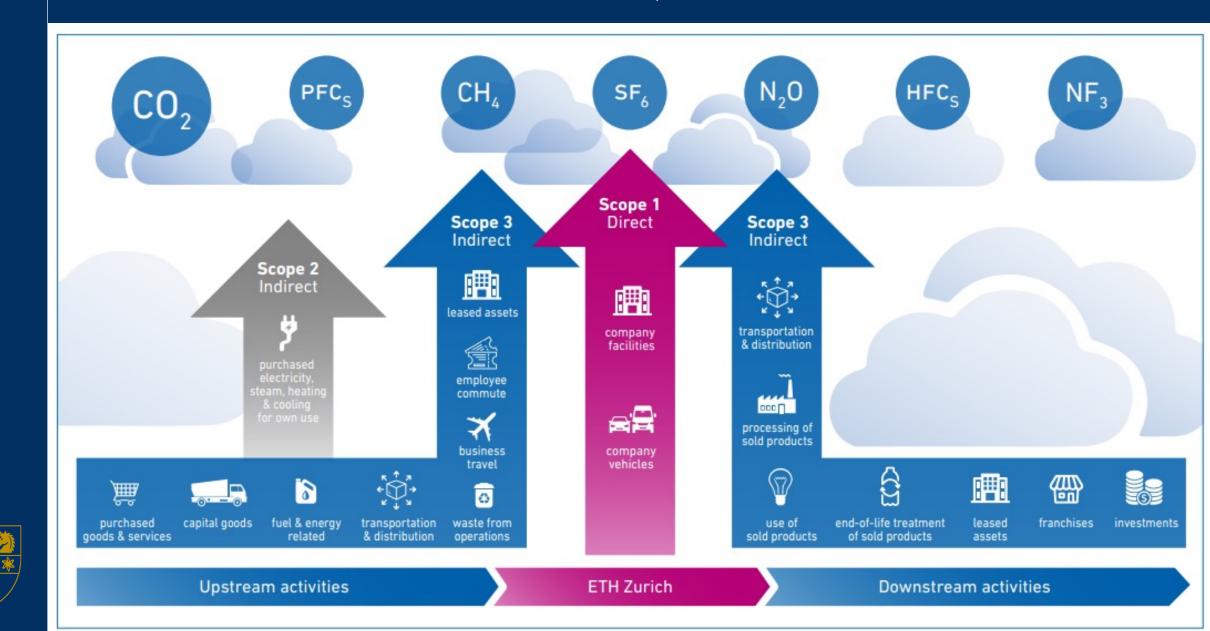


Office of the President

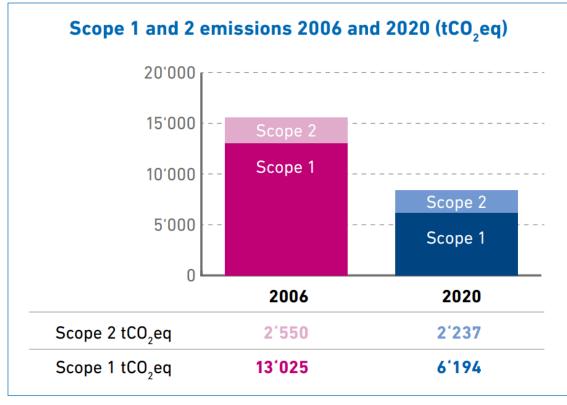




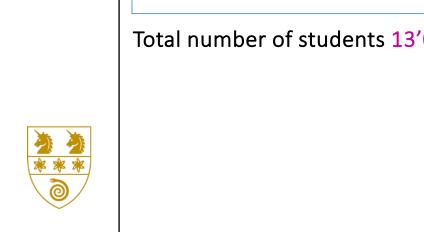
GHG EMISSIONS: SCOPES 1, 2 & 3

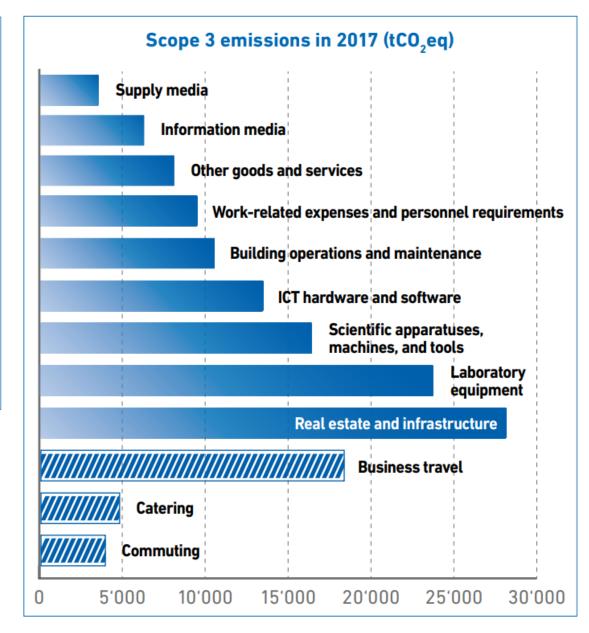


GHG EMISSIONS: SCOPES 1, 2 & 3



Total number of students 13'000 23'000





- Education
 - Own students curricular & extra-curricular
 - Continuing education
 - Schools e.g. ETH Academy
- Research Technology
- Innovation Knowledge Transfer
- Influencing Policy & Actions





- Education
- Research Technology
 - Blue-sky research
 - Applied research
 - Collaborative research & technology
- Innovation Knowledge Transfer
- Influencing Policy & Actions



NATIONAL (RESEARCH) BODIES



- Education
- Research Technology
- Innovation Knowledge Transfer (e.g.)
 - Energy creation (Synhelion)
 - Negative emission (carbon storage) (Climeworks)
 - Systems Engineering approaches
- Influencing Policy & Actions

- Elsyntheticks
- Carbonn-dioxiide inde the ohalosegyice





- Education
- Research Technology
- Innovation Knowledge Transfer
- Influencing Policy & Actions
 - University, local, regional, national, international
 - Climate justice
 - Human behaviour
 - Reduce waste, transport
 - Remake, Repair, Renovate
 - Reuse existing..., Recycle... materials
 - Compensate?
 - Ethical Investments
 - Biodiversity Net Gain









ETHICAL INVESTMENTS

Sustainability Impact Matrix



 c180 data points are assessed to assign each ESG theme a red, amber or green 'traffic light'









Land







Water











Bribery &

























Overall ESG assessment

- Illustrates materiality assessment of ESG factors
- · Absolute, not sector- or country-relative score
- · Sarasin & Partners proprietary analysis



Not investable (+/-)

Highest rating

ESG Transition

Since 2018 at St Hilda's College Key Initiator of Concept for Sarasin with Oxford Martin School





BIODIVERSITY NET GAIN

St Hilda's bought 55 acre ancient woodland Register with Darwin Tree of Life Insect Genome satellite Measure existing e-DNA of tree canopy Mobilise & motivate students & staff

Photo competitions, Bluebell walks, Carry out BioBlitz, Engage in birdwatching, Conduct (monthly) surveys/recordings: 30 birds species, (3 red-listed) 82 arthropod species







CLOSING THOUGHTS

- Joint Initiatives
 - role model CESAER universities
 - can and must
 - signatory to the global «Race to Zero campaign»
- Green Campus
 - Sustainable Campus Charter
 - living labs on campus
- Trust & Transparency
- Eliminating Inequalities
 - social justice



Leading by example

Boosting sustainability through good governance adopted by universities of science & technology

White paper

19 October 2023



