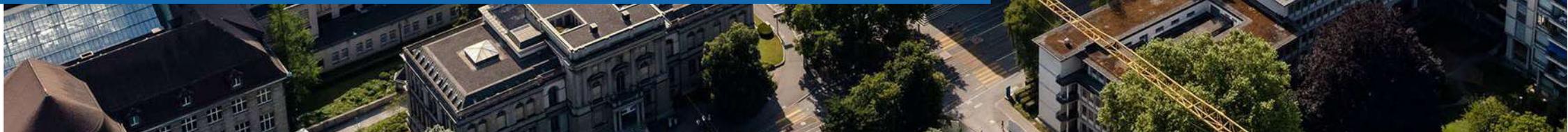




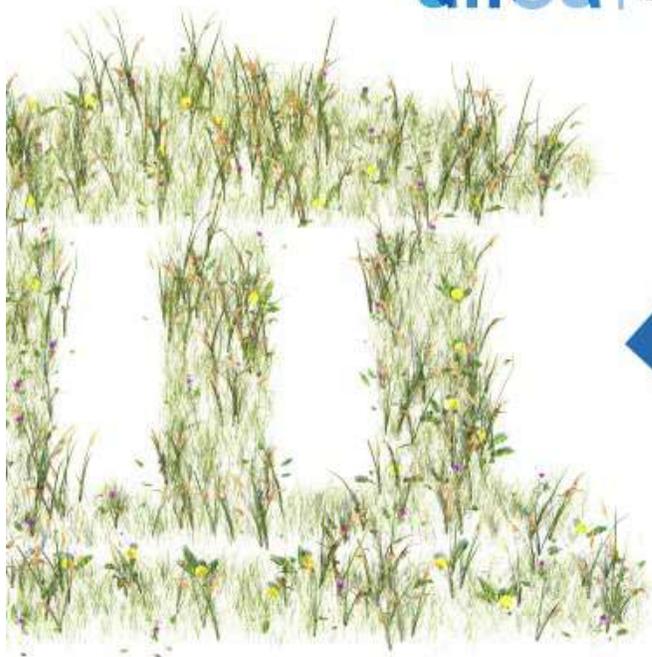
# Navigating the Scope 3 challenge

Input for IARU Presidents' Meeting, 14 January 2023

Dr. Claudia Zingerli, Head ETH Sustainability



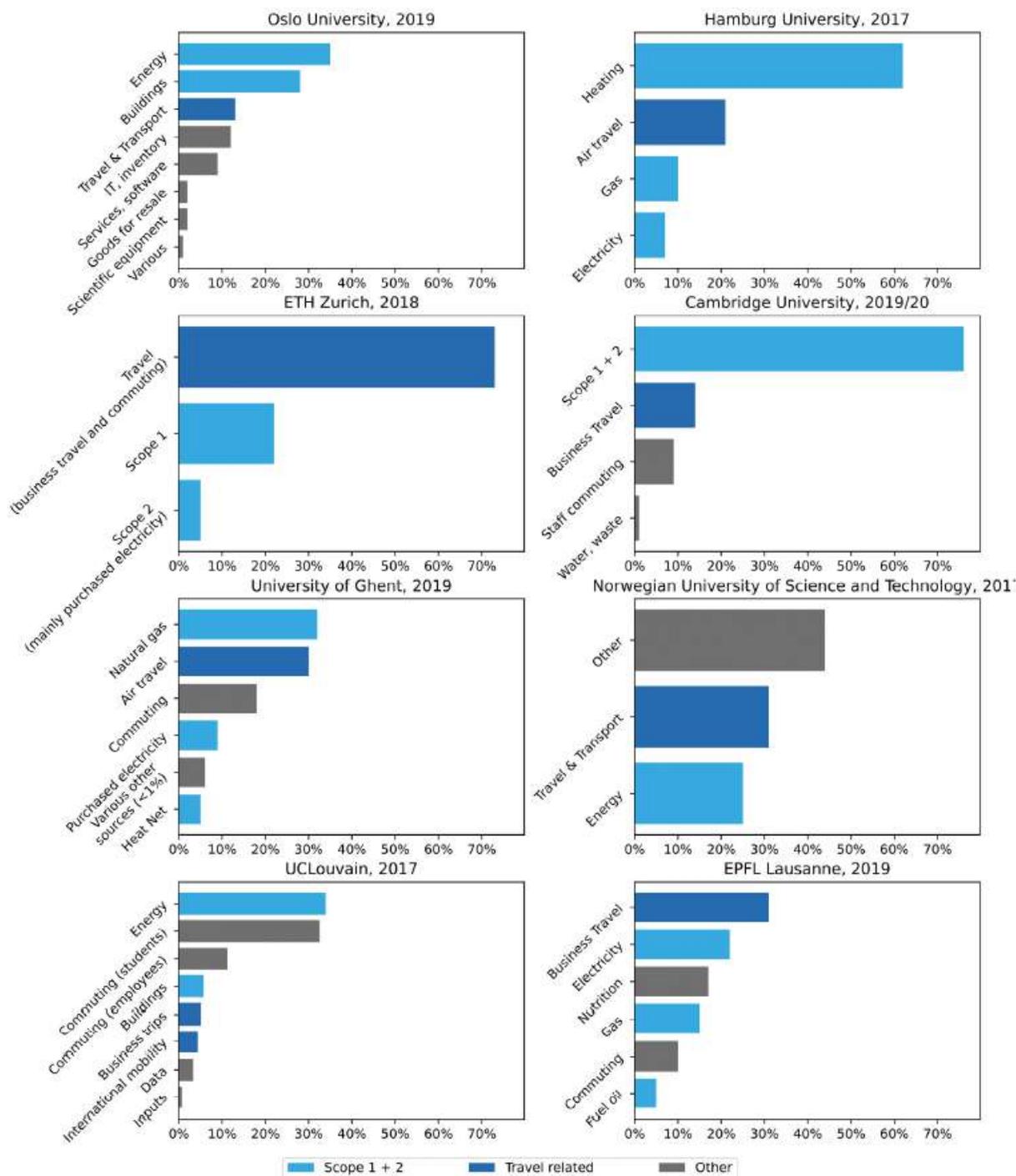
allea | All European Academies



# Towards Climate Sustainability of the Academic System in Europe and beyond

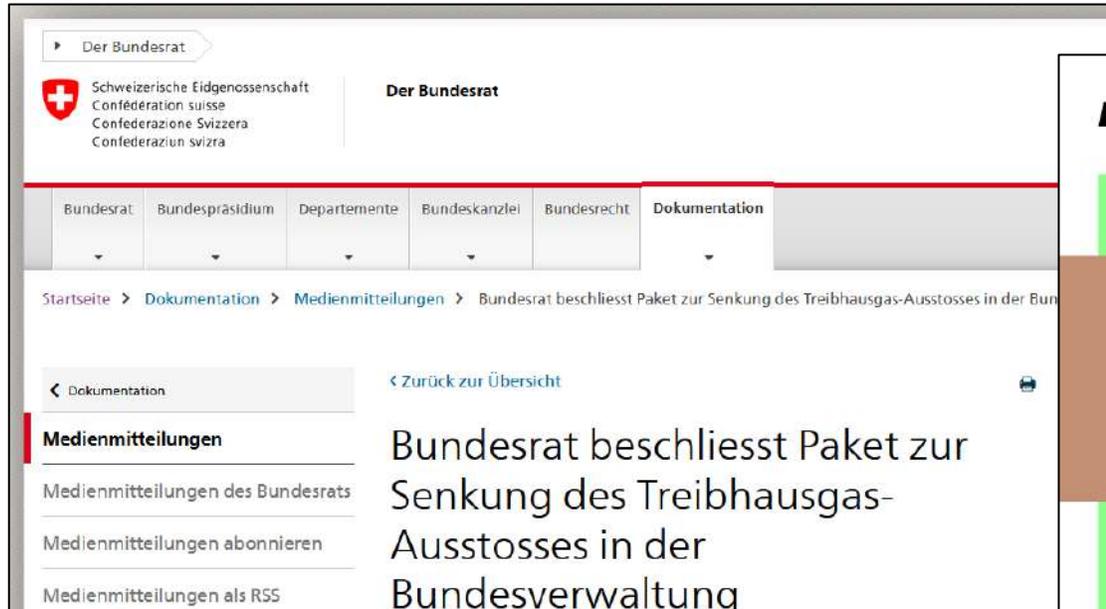
ALLEA Report | May 2022

DOI 10.26356/climate-sust-acad



# Climate neutrality as a political mandate: Net Zero by 2030

## ETH Zurich strives for Net Zero



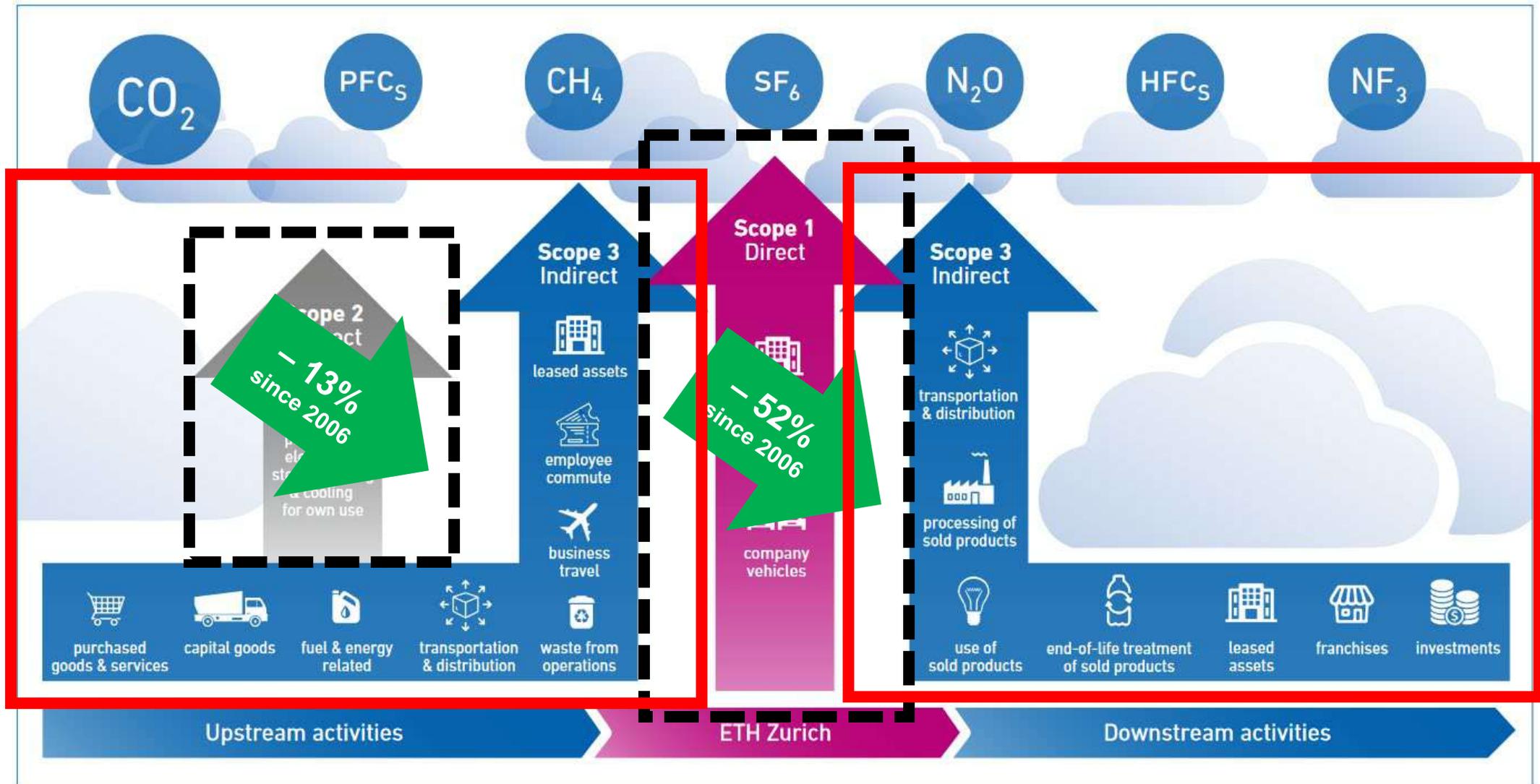
**Target of «Net Zero» by 2030** requires the reduction of emissions by 50% compared to 2006 through operational measures at the source and to fully offset the remaining emissions by 2030.

System boundary: Scopes 1 and 2; optional Scope 3 business travel.



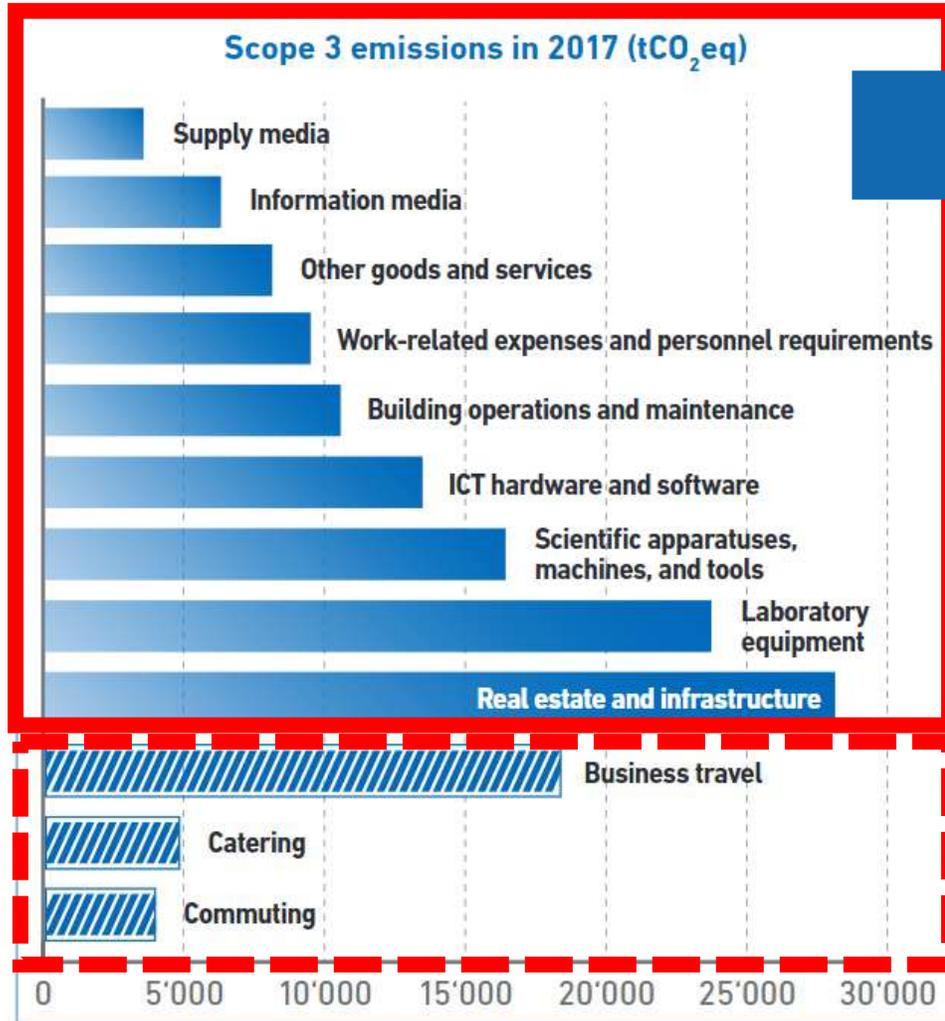
«Klimapaket» Federal Administration & ETH Domain, Decision of Federal Council, 3 July 2019

# The Greenhouse Gas (GHG) Protocol taxonomy of «Scopes»



# The «Whole Story» of Climate Neutrality

## Scope 3 is a «game changer»!



## Top categories

ca. 50 percent of all Scope 3 emissions



### Buildings and infrastructure

28'000 tonnes CO<sub>2</sub>eq



### Laboratory equipment

24'000 tonnes CO<sub>2</sub>eq



### Scientific apparatuses, machines and tools

16'000 tonnes CO<sub>2</sub>eq

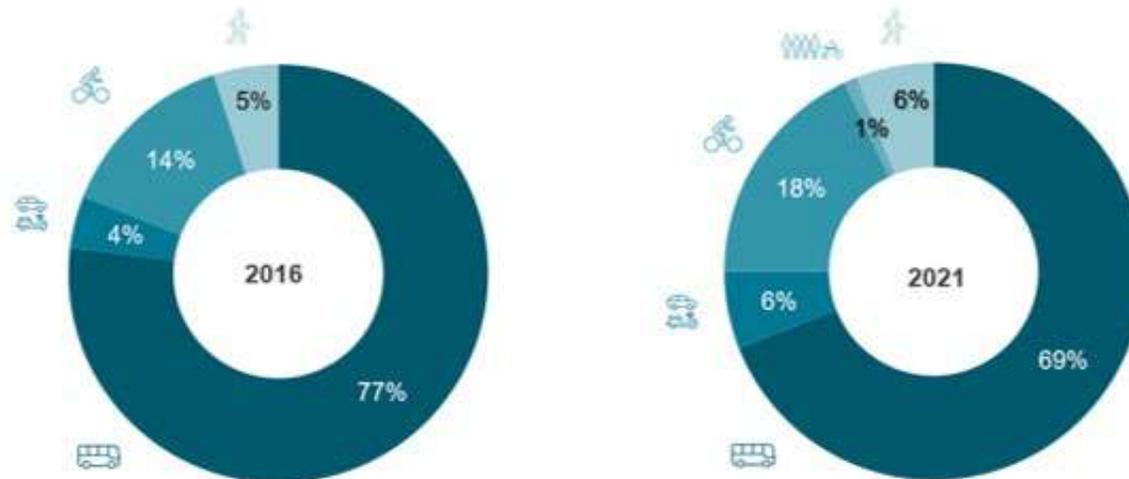


# Beyond «Business as Usual»: Avoiding, reducing, replacing From voluntariness to ambitious committment

**Biggest caterers:** CO2 reduction per sold meal by 7% in 2022.



Modal split of means of **commuting** transportation in 2016 and 2021 by ETH community

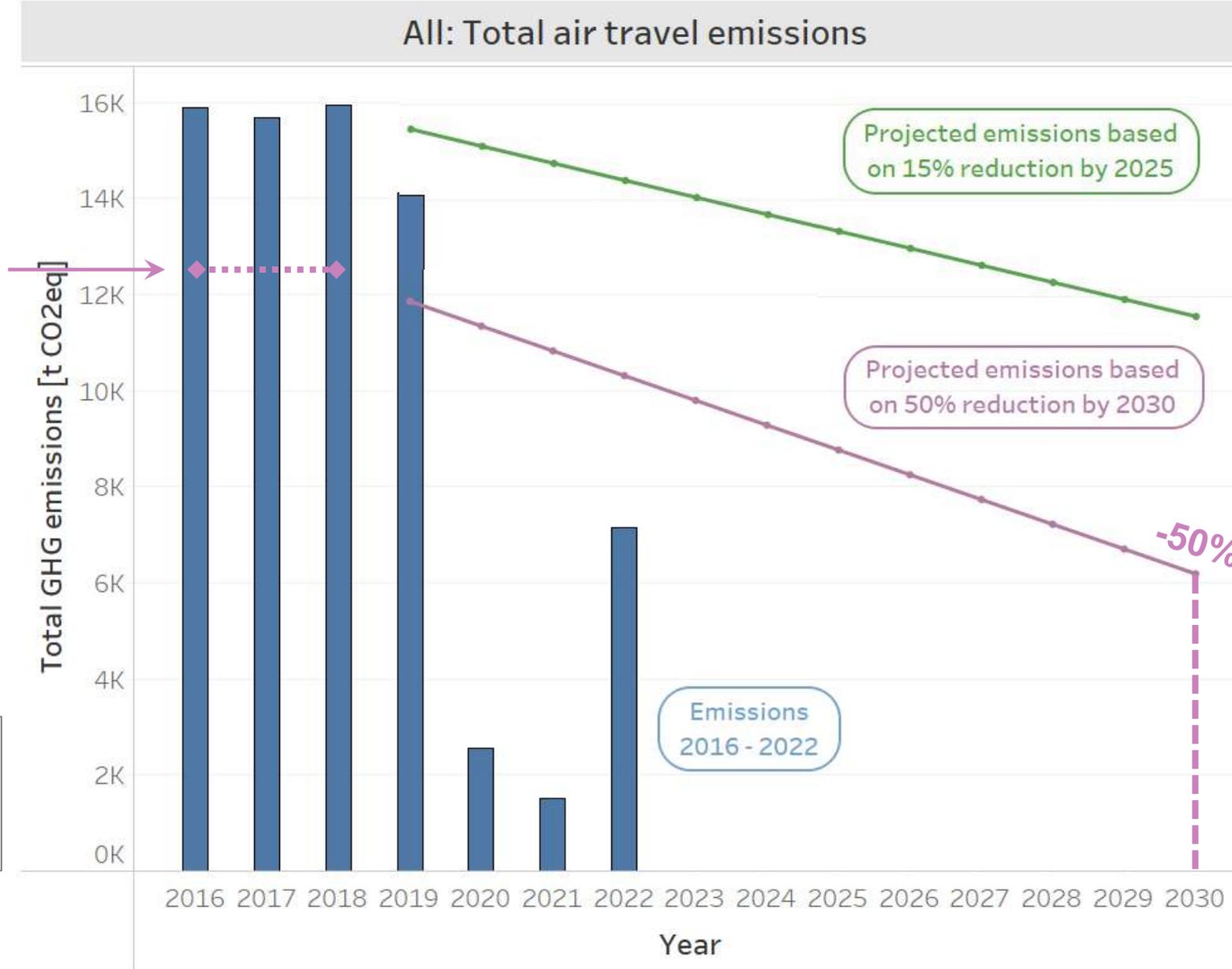


# Motivating the community for a 50% reduction



**Air Travel Project**  
«Stay grounded, keep connected»

Baseline average  
2006 (corrected  
for 2016-2018)



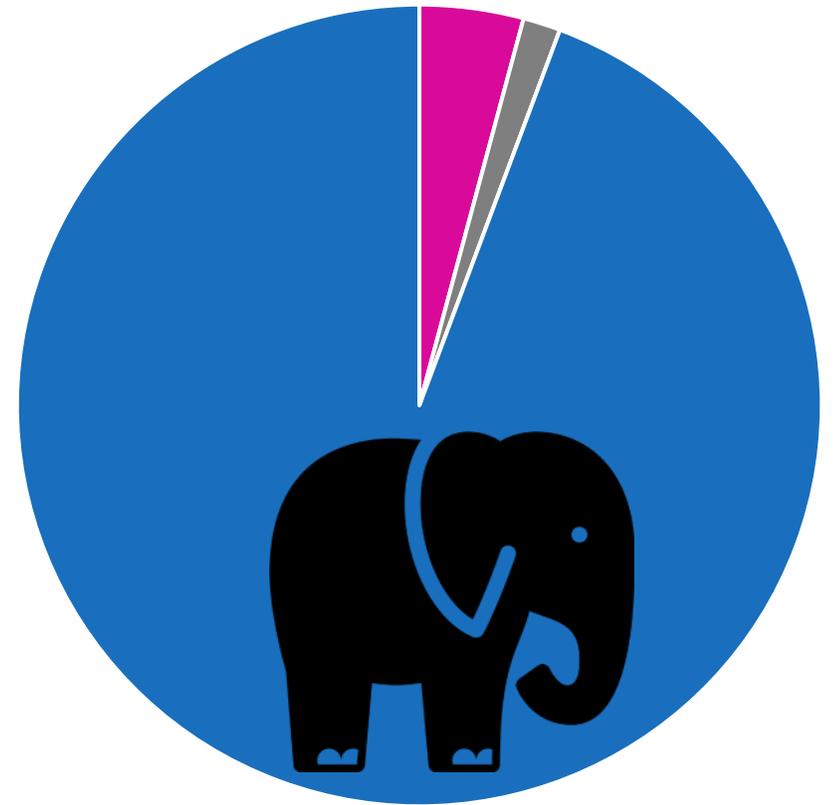
**Note:**

- All data are still under evaluation
- 2022 data only go to mid-November

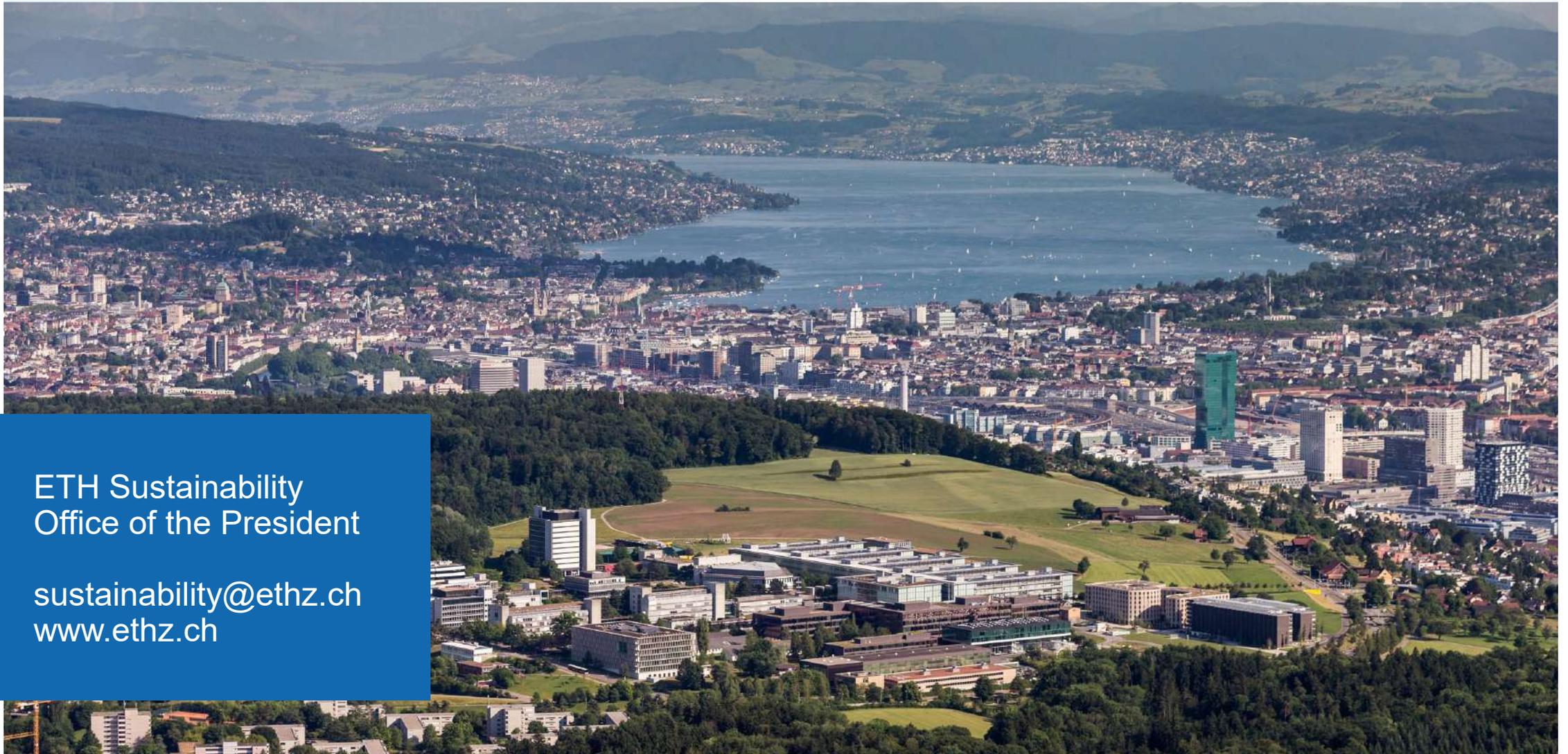


# Scope 3 - the elephant in the room

1. How do the IARU members report and deal with the Scope 3 emissions?
2. Could the IARU members agree to a common set of categories to integrate Scope 3 emissions in net-zero calculations?



Thank you for your attention.



ETH Sustainability  
Office of the President

[sustainability@ethz.ch](mailto:sustainability@ethz.ch)  
[www.ethz.ch](http://www.ethz.ch)