



# Sustainability in Education at D-BSSE

**Nina Blaimschein**  
PhD Candidate, Biophysics Group  
22 February 2022







**“Education is the most powerful  
weapon which you can use to  
change the world.”**

**Nelson Mandela**

# Implementation of Sustainability at other Universities



Sustainability in education has been recognised as a hot topic and institutions world-wide are announcing ongoing changes to their curricula in this direction.

1. Cambridge Zero: <https://www.zero.cam.ac.uk/>
2. Yale sustainability: <https://sustainability.yale.edu/academics-research>
3. TQNE University of Basel: <https://msd.unibas.ch/en/study-programs/tqne/>



# Current offers around sustainability at ETH Zurich

## Research



- > Future Cities
- > Energy
- > World Food Systems
- > Climate change
- > Risk

## Education



- > ETH Week
- > Summer and winter schools
- > Student Project House

## Campus



- > Buildings
- > Energy
- > Mobility
- > Waste
- > Food

## Dialogue



- > SDG Public Lecture Series
- > Pioneers in Sustainability
- > Treffpunkt Science City
- > Sustainability in conversation
- > Klimarunde

Visit their website: <https://ethz.ch/en/the-eth-zurich/sustainability.html>



# Sustainability for Students



Which courses at ETH Zurich address the Sustainable Development Goals?

Download the new Sustainability Course Catalogue (PDF, 1.5 MB) [↓](#) now! The first version of the catalogue was issued in December 2020.



Sustainability Course Catalog



# Sustainability for Everyone

## Treffpunkt Science City



### Contact

ETH Zürich  
Treffpunkt Science City  
+41 44 632 23 95  
treffpunkt@sl.ethz.ch

### Newsletter

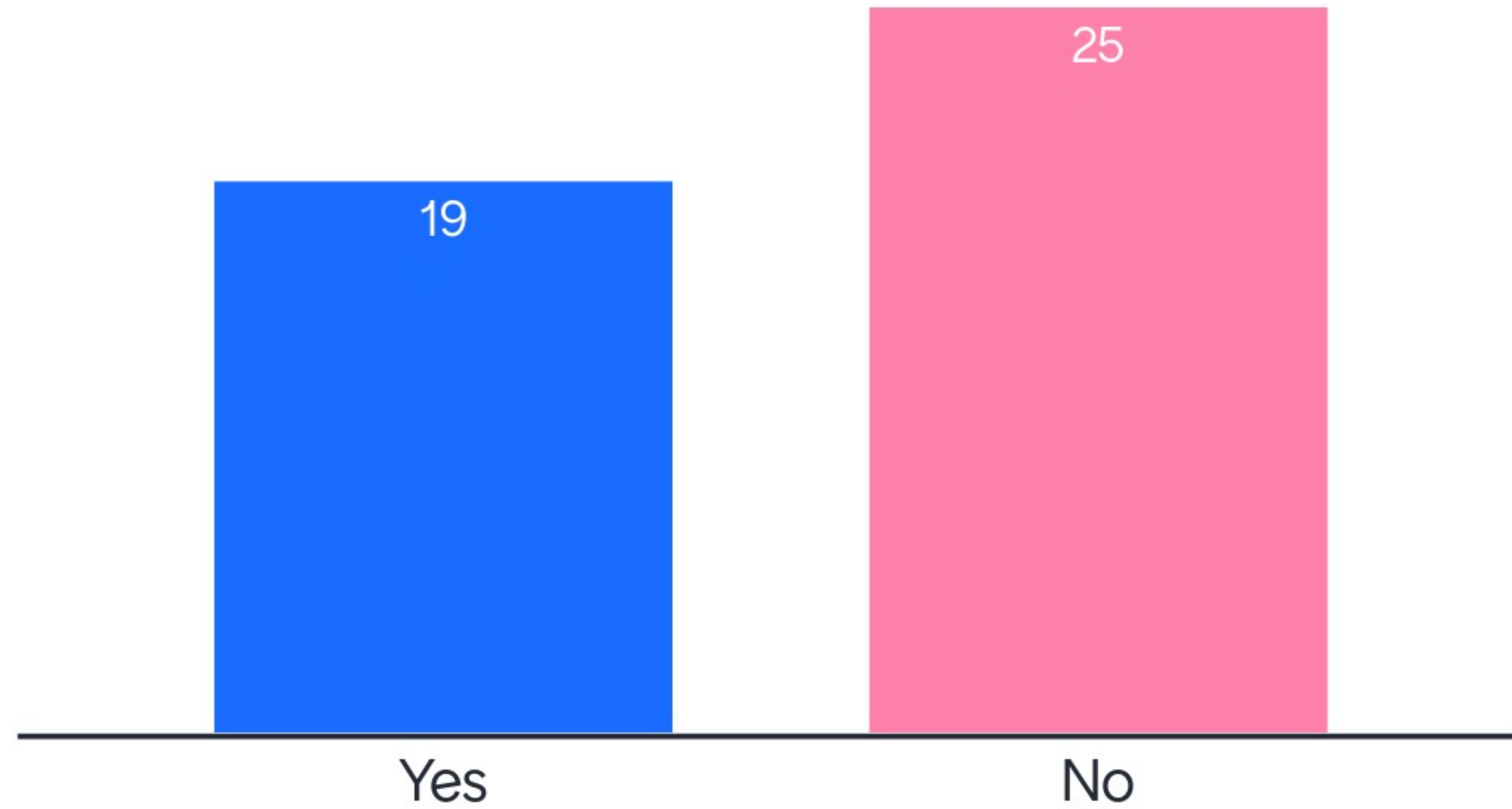




So, what's the problem?

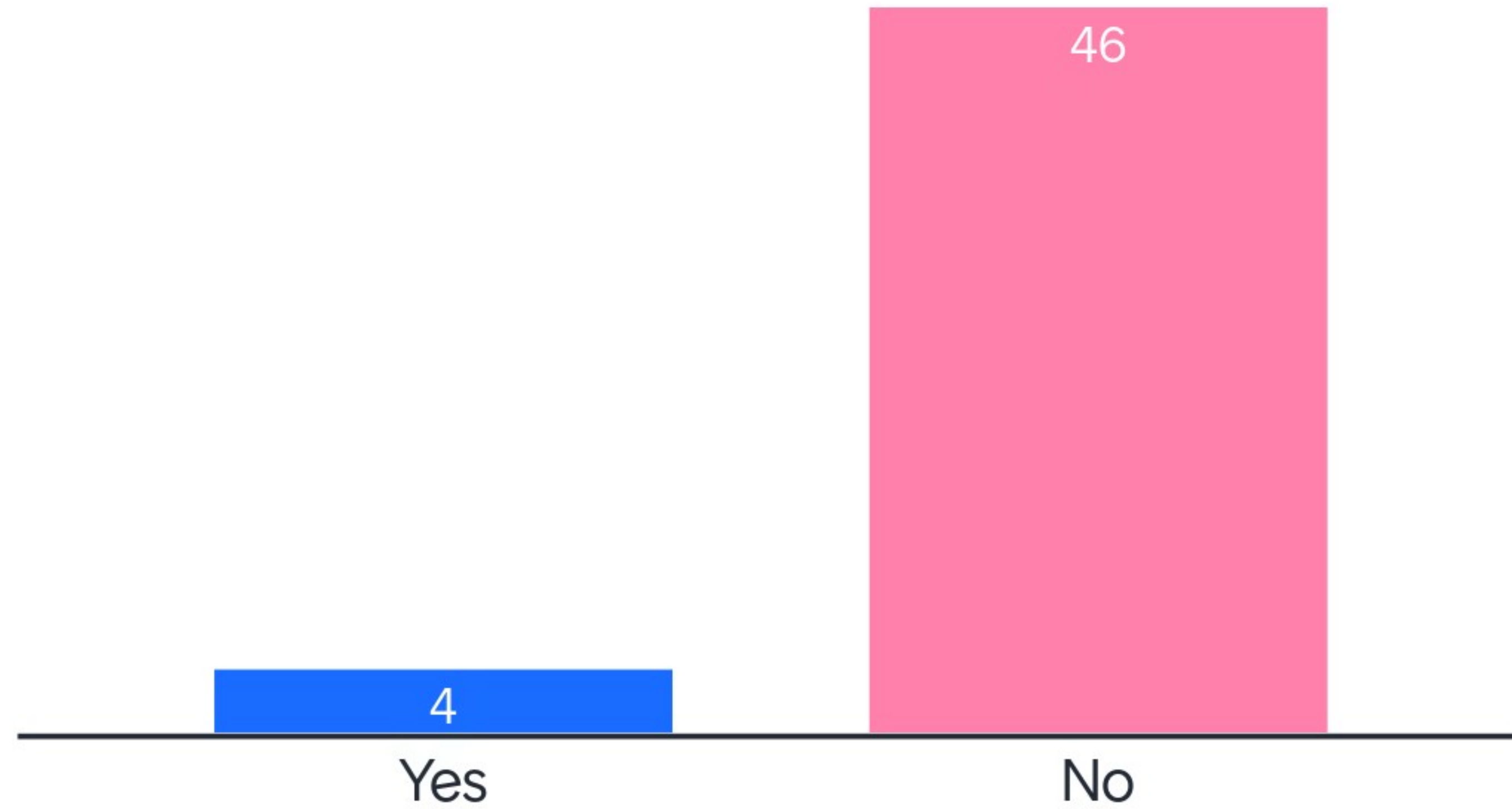


# Do you know the main conclusion of the Paris Climate Agreement?



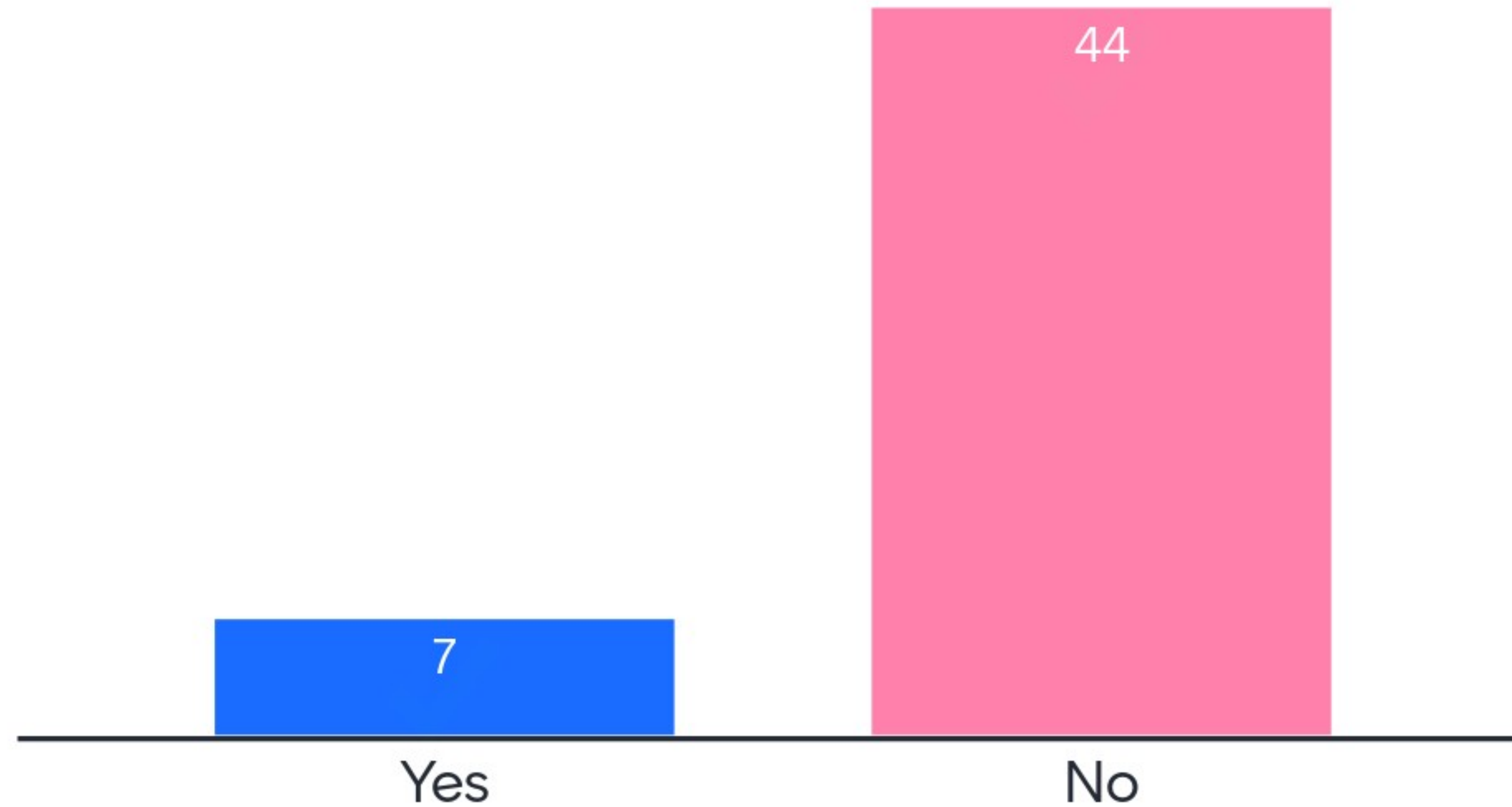


# Do you know the meaning of Scope 1, 2 & 3 of carbon emissions?



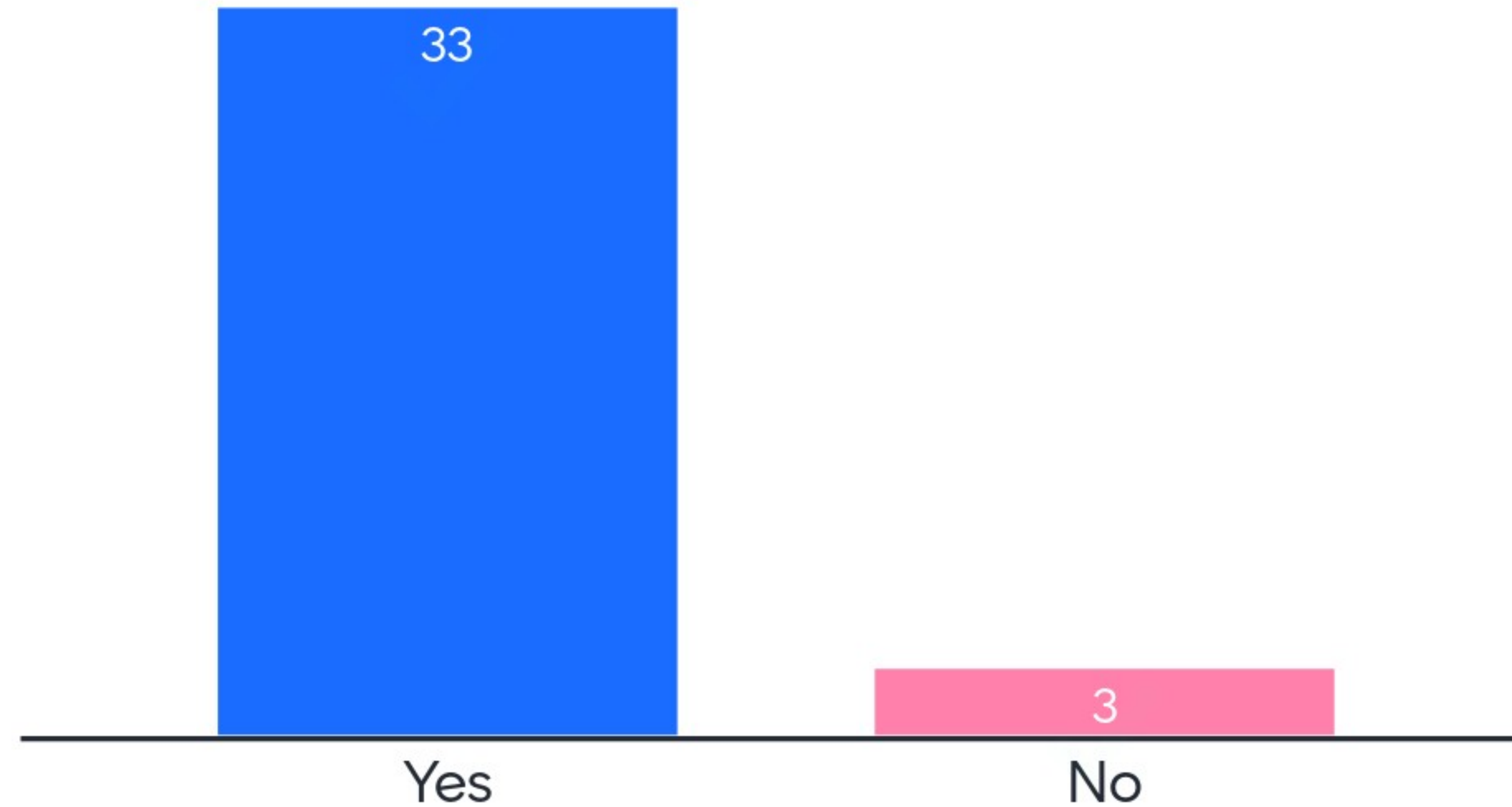


# Do you think you know enough about the UN sustainable development goals (SDG) to tell your friend about it?





Would you like to have lectures (or other formats) covering general sustainability related topics such as the ones mentioned above?





# Possible Formats

**Introductory Courses**      **Block Courses**      **Bi-Annual Talk by Invited Guest Speakers**

**Workshops**

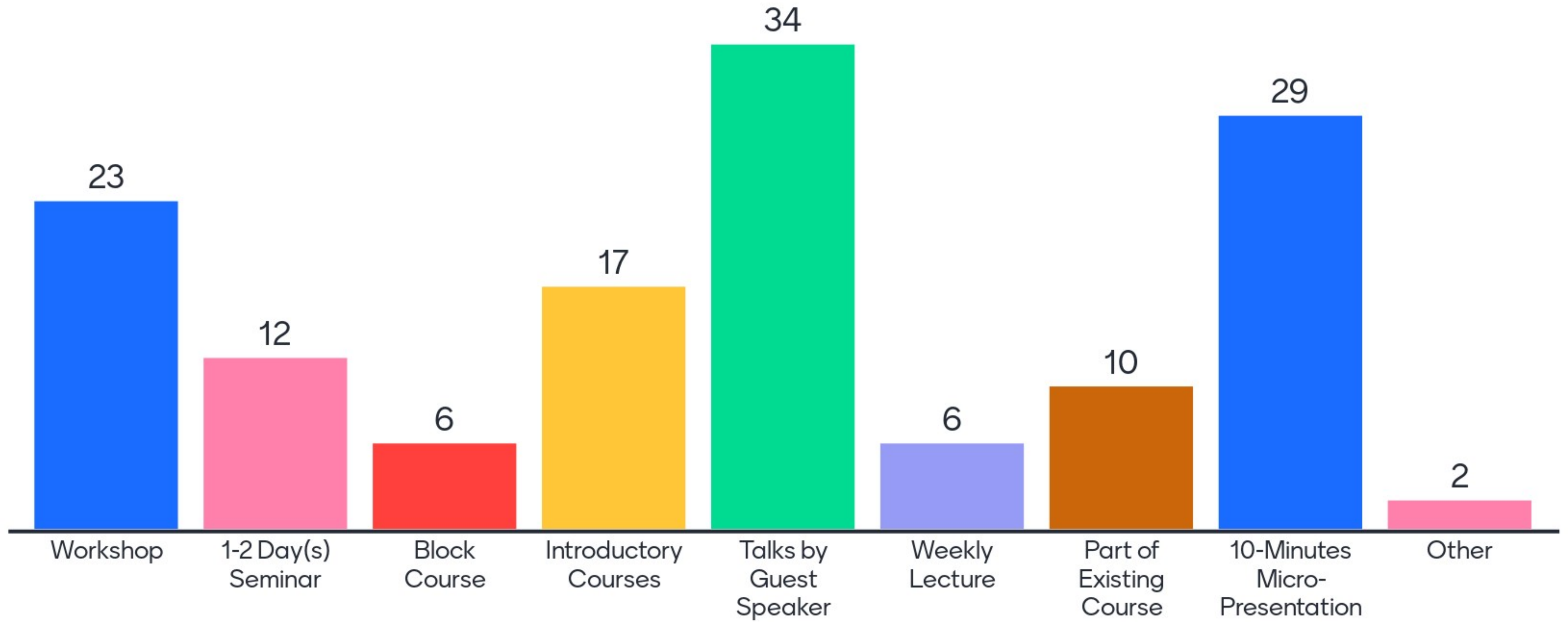
**1-2 Day(s) Seminar**

**Weely lectures**      **Part of Existing Courses**

**10-Minute Micro-Presentations**



# Multiple Choice





# Possible Topics

Scope 1, 2 and 3

Sustainable Lab Practices

National and International  
Policies and Standards

Sustainable Development Goals (SDGs)

Science and Sustainability

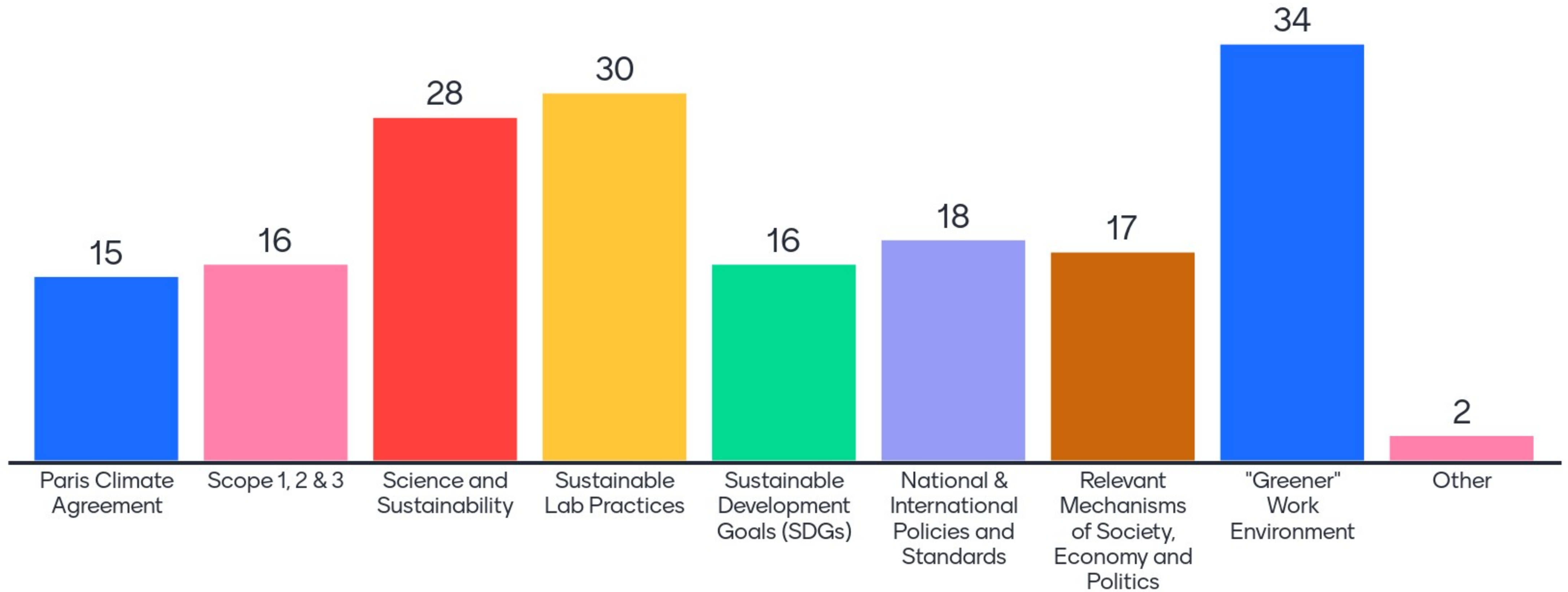
„Greener“ work  
environment

Paris Agreement

Relevant Mechanisms of  
Society, Economy, Politics

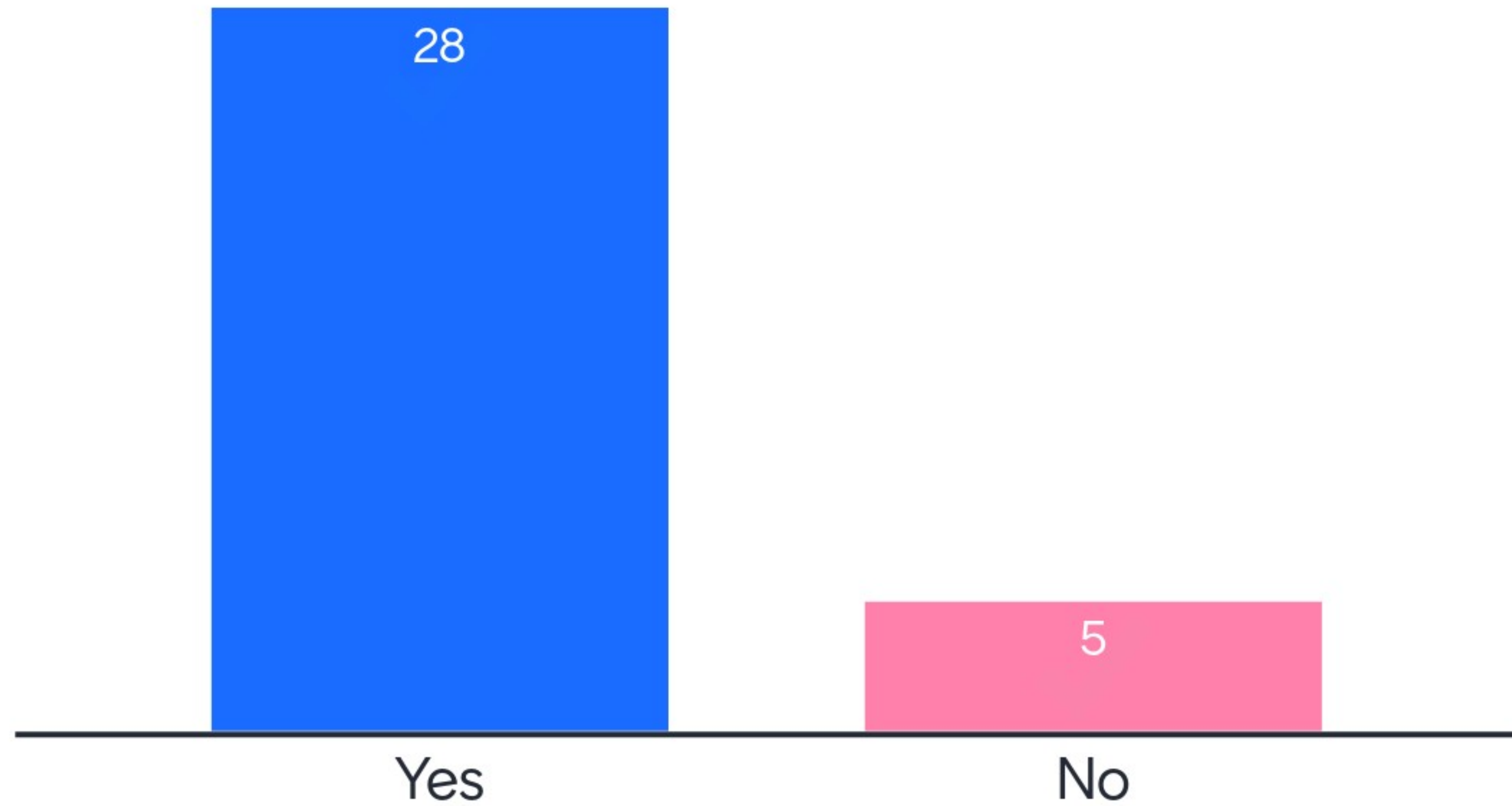


# Multiple Choice





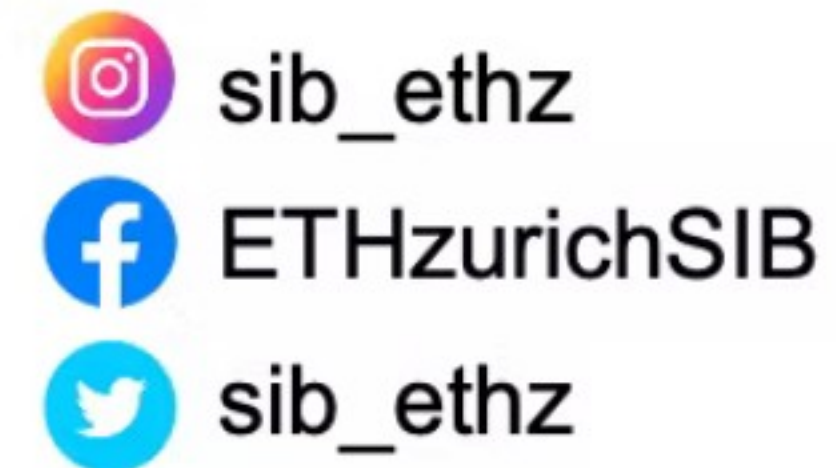
# Do you think sustainability is important enough to be implemented into the curriculum (MSc and PhD)?





Nina Blaimschein  
PhD Candidate  
nina.blaimschein@bsse.ethz.ch

ETH Zurich  
D-BSSE  
1058, 1.16  
Mattenstrasse 26  
4058 Basel, Switzerland



sib@bsse.ethz.ch

<https://bsse.ethz.ch/department/D-BSSE-Initiatives/sib.html>