TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN concept

Centre for International Postgraduate Studies of Environmental Management (CIPSEM)

Integrated Postgraduate Education for Sustainable Development

45 years of experience in environmental management for experts from the Global South

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DAAD Deutscher Akademischer Austauschdienst German Academic Exchange Service

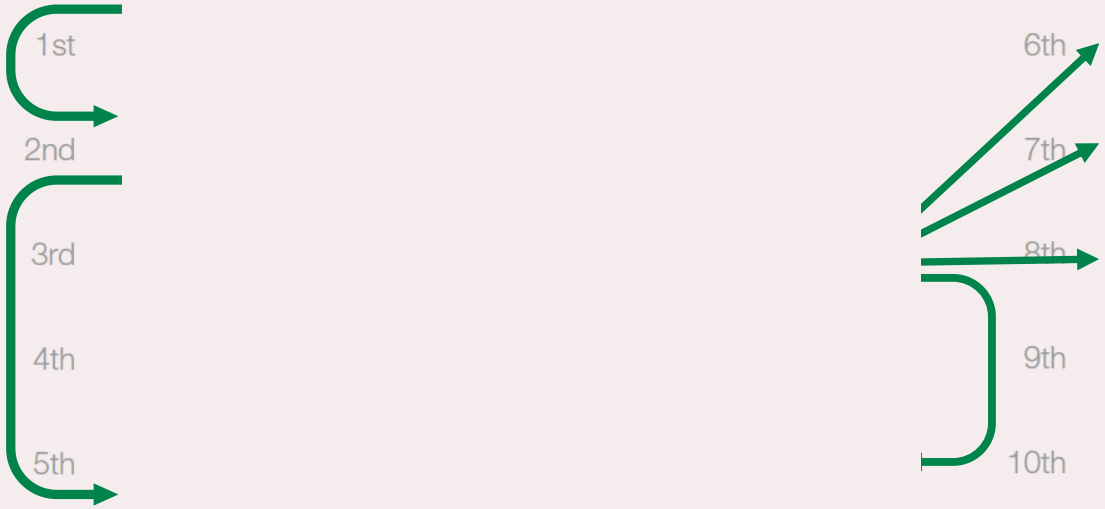
iHED – International Higher Education Dialogue Conference 2022, May 4th 2022

“Identify the most severe risks on a global scale over the next 10 years”

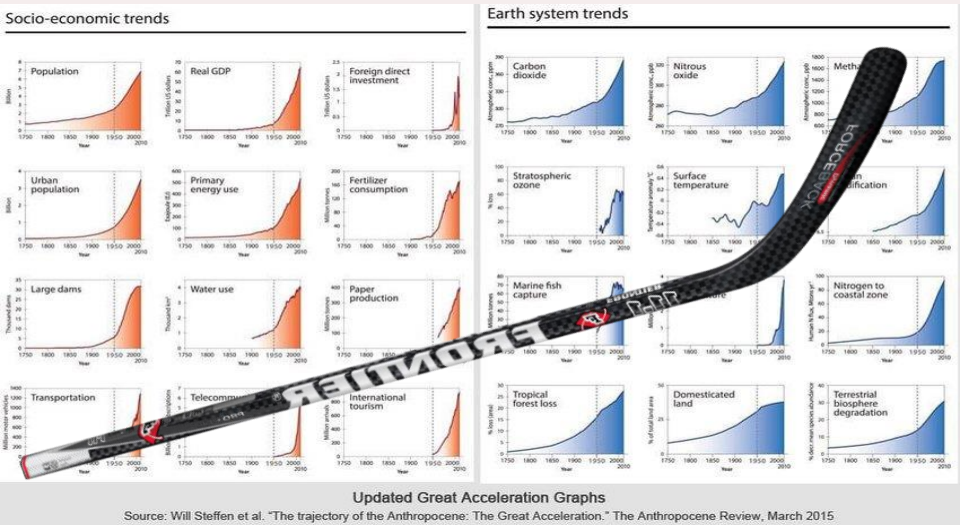
IPBES, 2021

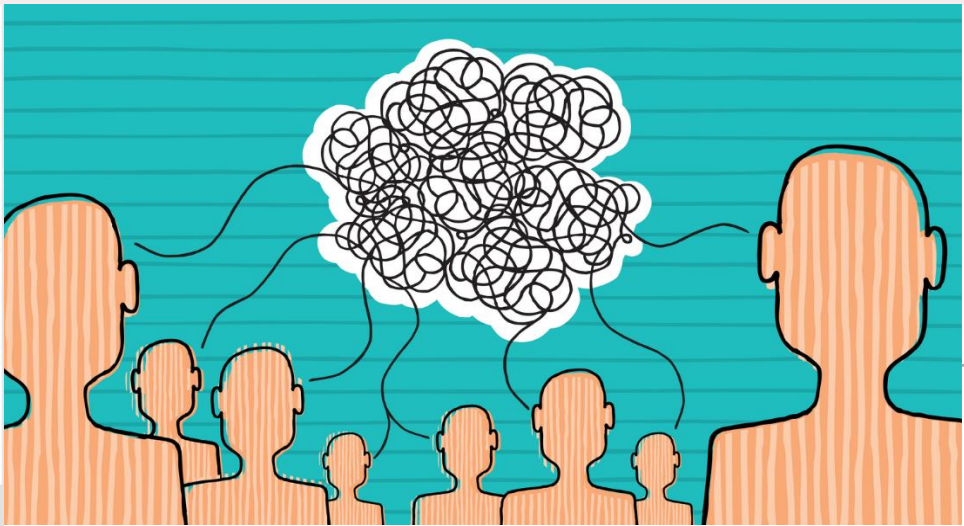
→ **COVID**, Ebola, Zika, SARS, HIV – all caused by **zoonoses**
→ drivers: land-use change, agriculture, trade & consumption
→ at least **630.000** viruses **with human-pathogenic** potential
→ **>1 trillion USD damage vs 30 billion USD prevention costs**

Economic Environmental Geopolitical Societal Technological



Source: World Economic Forum Global Risks Perception Survey 2021-2022





UN environment

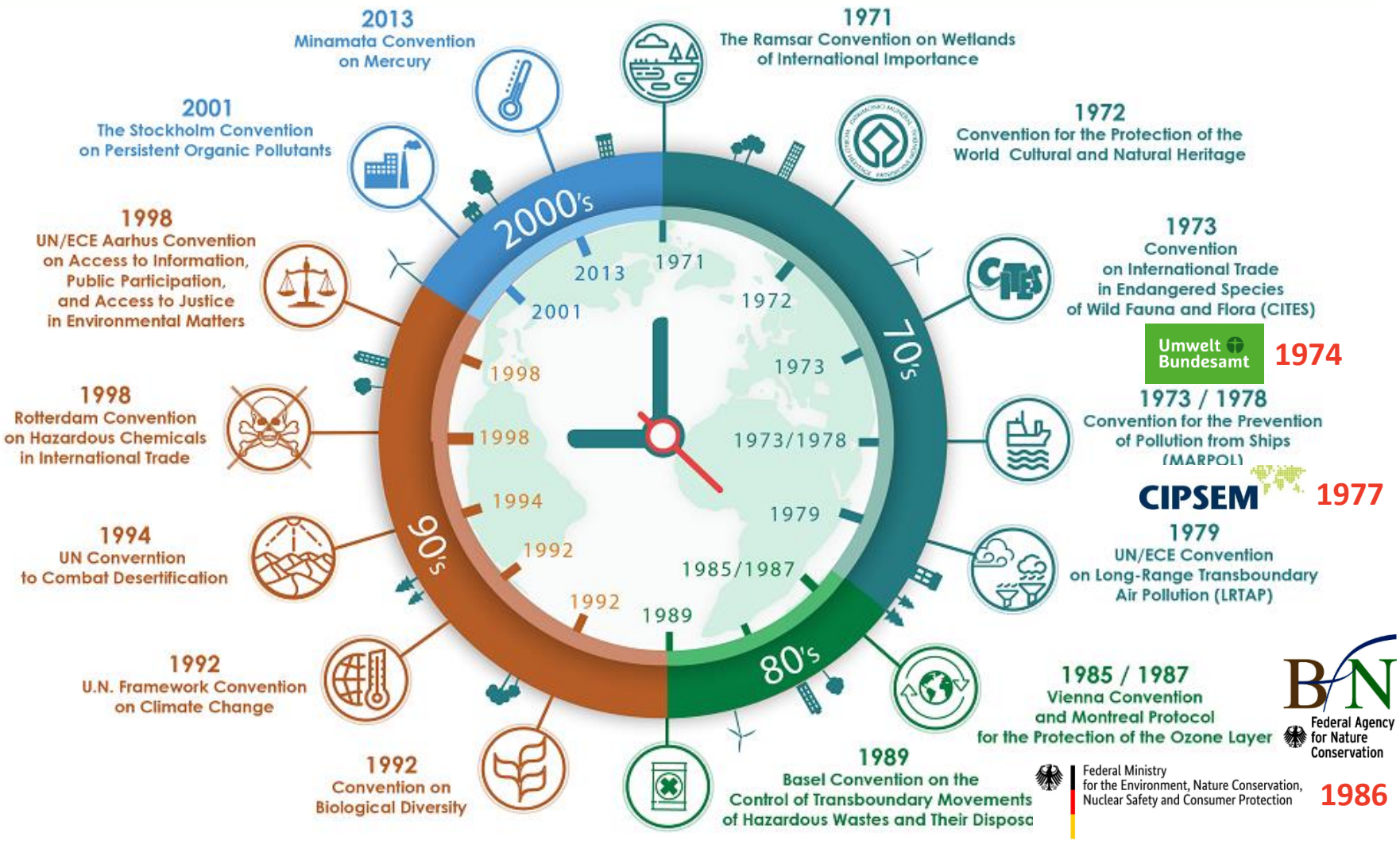
Federal Ministry for Economic Affairs and Climate Action

2021

MEAs = multilateral environmental agreements

Key Instruments

unitar United Nations Institute for Training and Research



CIPSEM

since the last 45 years

UNEP/UNESCO/BMUV International Postgraduate Course Programme

Environmental Management for Developing Countries

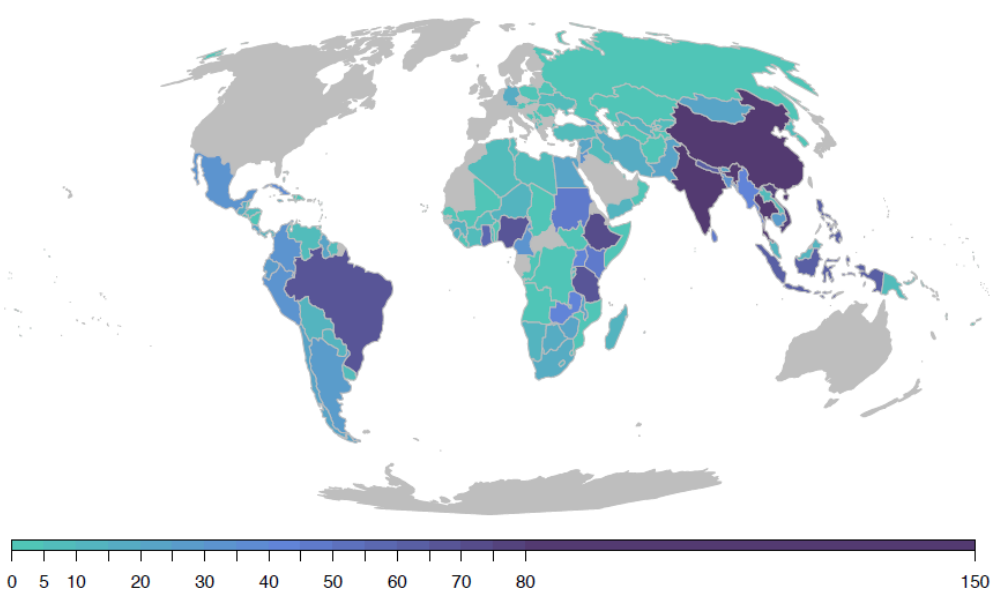
1977 — 2022

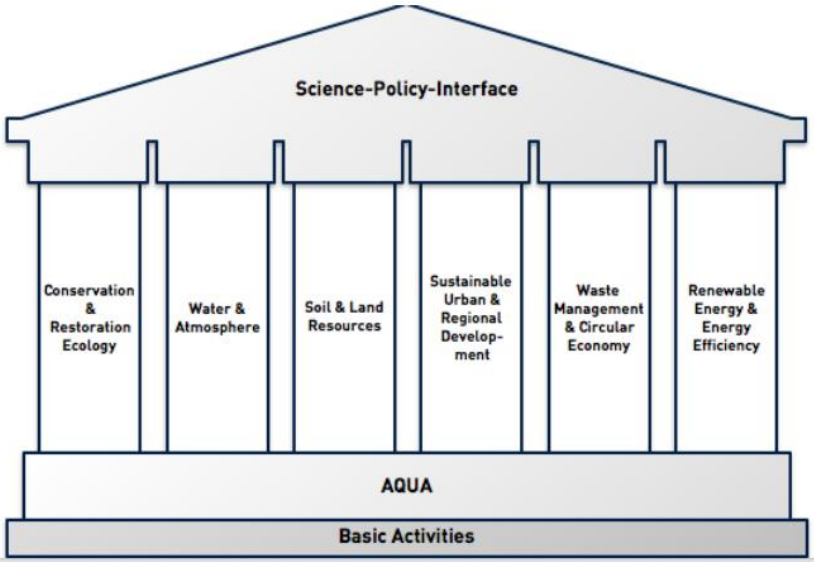
United Nations Educational, Scientific and Cultural Organization

UN environment
United Nations Environment Programme

higher education in sustainable management for future decision makers & potential change agents

Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection





- more than **2550** alumni from **145** countries to date
- **3 - 4** courses with a maximum of **84 participants each year** (normally)
- holistic and interdisciplinary approach mainly by facilitators from the ***School of Civil and Environmental Engineering*** and external experts

TECHNISCHE UNIVERSITÄT DRESDEN → 113,000 € *annual support* 777,700 € ← Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection

… more than 2 years with CIPSEM

10.10. – 05.11.2019 – *SC78* **Soil and Land Resources for Sustainable Development**

18.11. – 13.12.2019 – *SC79* **Circular Economy and Waste Management**

09.01. – 10.07.2020 – *EM43* **Environmental Management for Developing Countries**
stopped 16.03.2020 – continued as online course from 01.04.2020

14.09. – 09.10.2020 – *SC80* **Integrated Water Resources Management**
online

CIPSEM *conceptual meetings and course revision*

13.11. – 09.12.2020 – *SC81* **Sustainable Mobility**
online

13.01. – 15.07.2021 – *EM44* **Environmental Management for Developing Countries**
online – 6 months, full-time, across 12 time zones

06.09. – 15.10.2021 – *SC82* **Integrated Water Resources Management**
online

01.11. – 10.12.2021 – *SC83* **Ecosystem Restoration towards a Green Recovery**
online

12.01. – 14.07.2022 – *EM45* **Environmental Management for Developing Countries**
back to on-site format

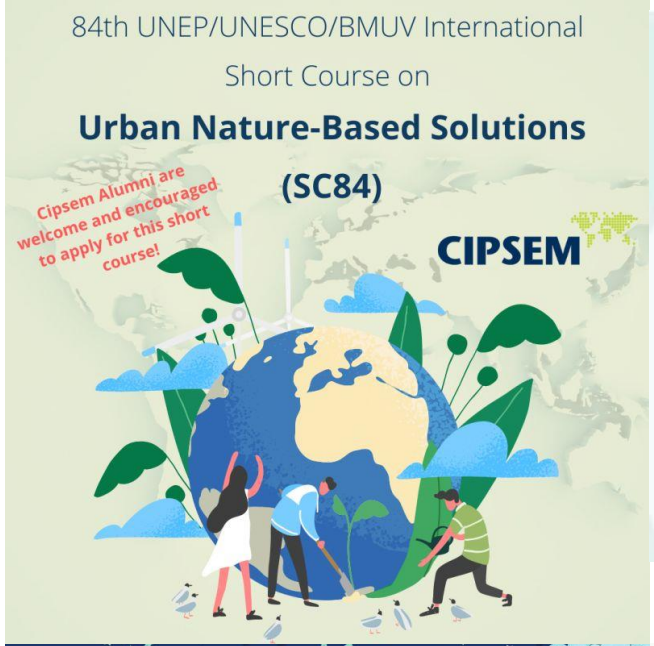
- **blended learning** approach since 2014, which alleviated the switch to full online formats – still fulfilling all standards to issue a **similar value certificate** after course completion
- **„beacon“ project** at TUD and counseling for other training programmes of federal agencies

NEO LMS
A NEW WAY TO TEACH AND LEARN

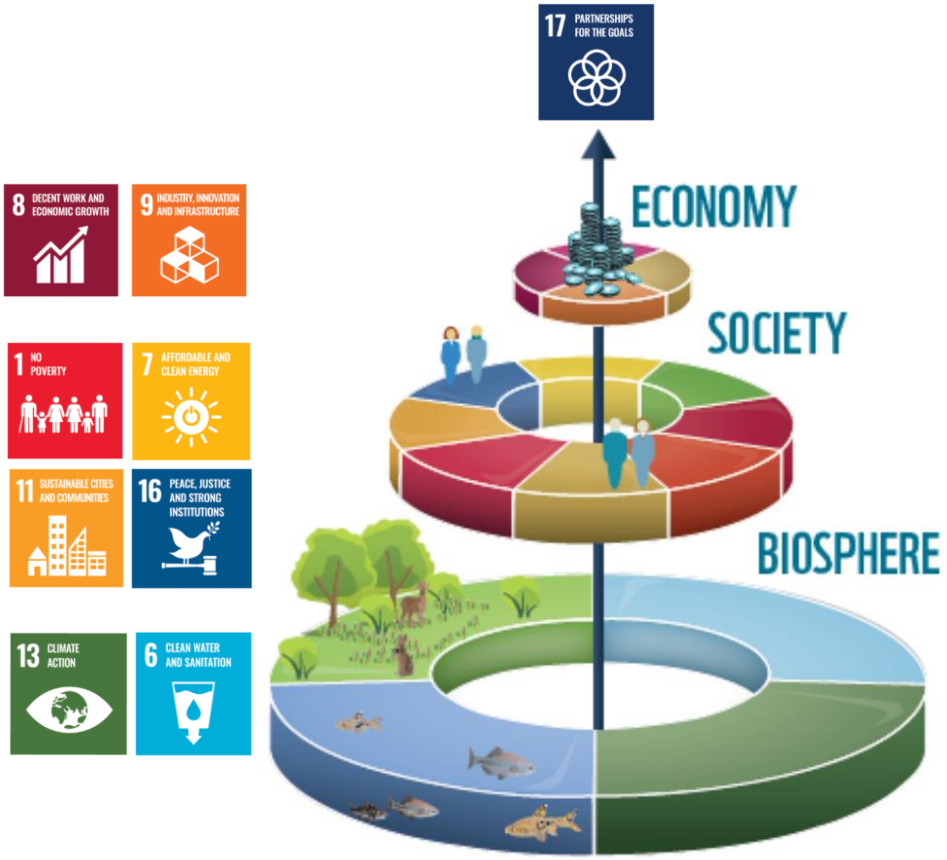
Umwelt Bundesamt

BfN Federal Agency for Nature Conservation

https://apply-cipsem.de

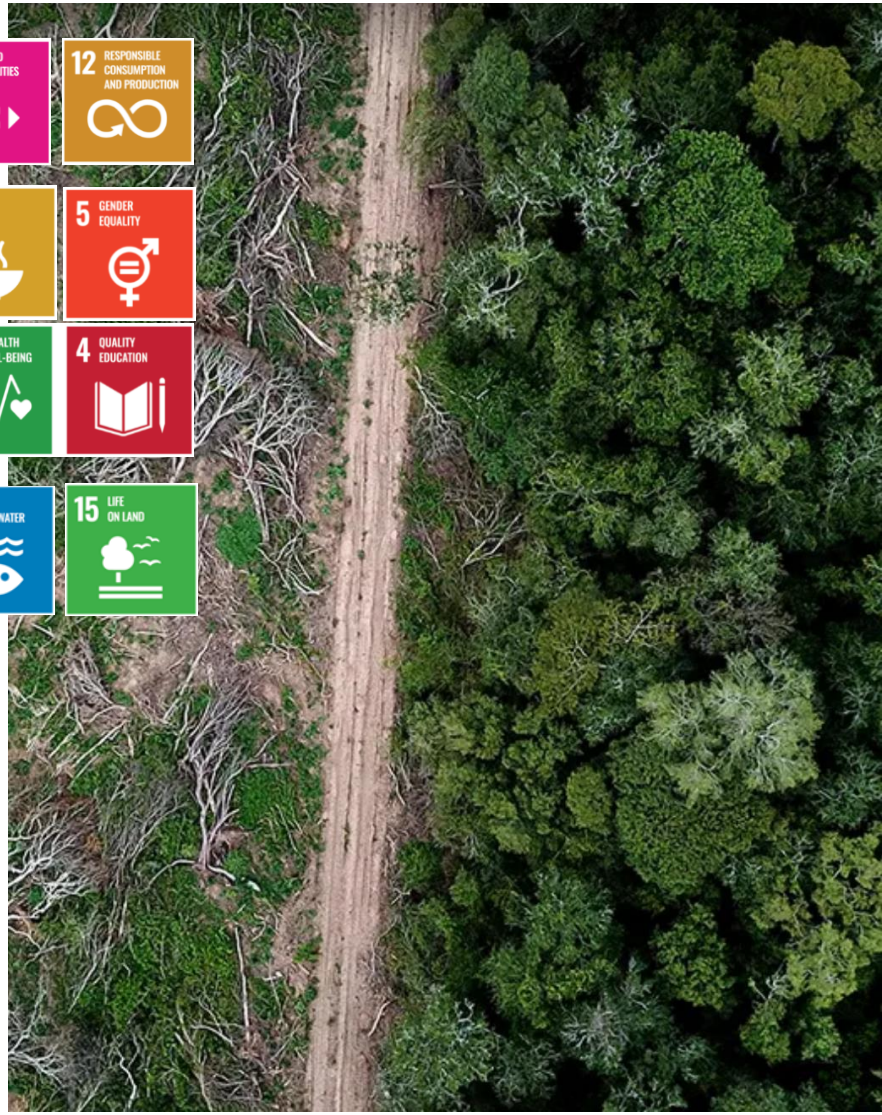


- **blended learning**

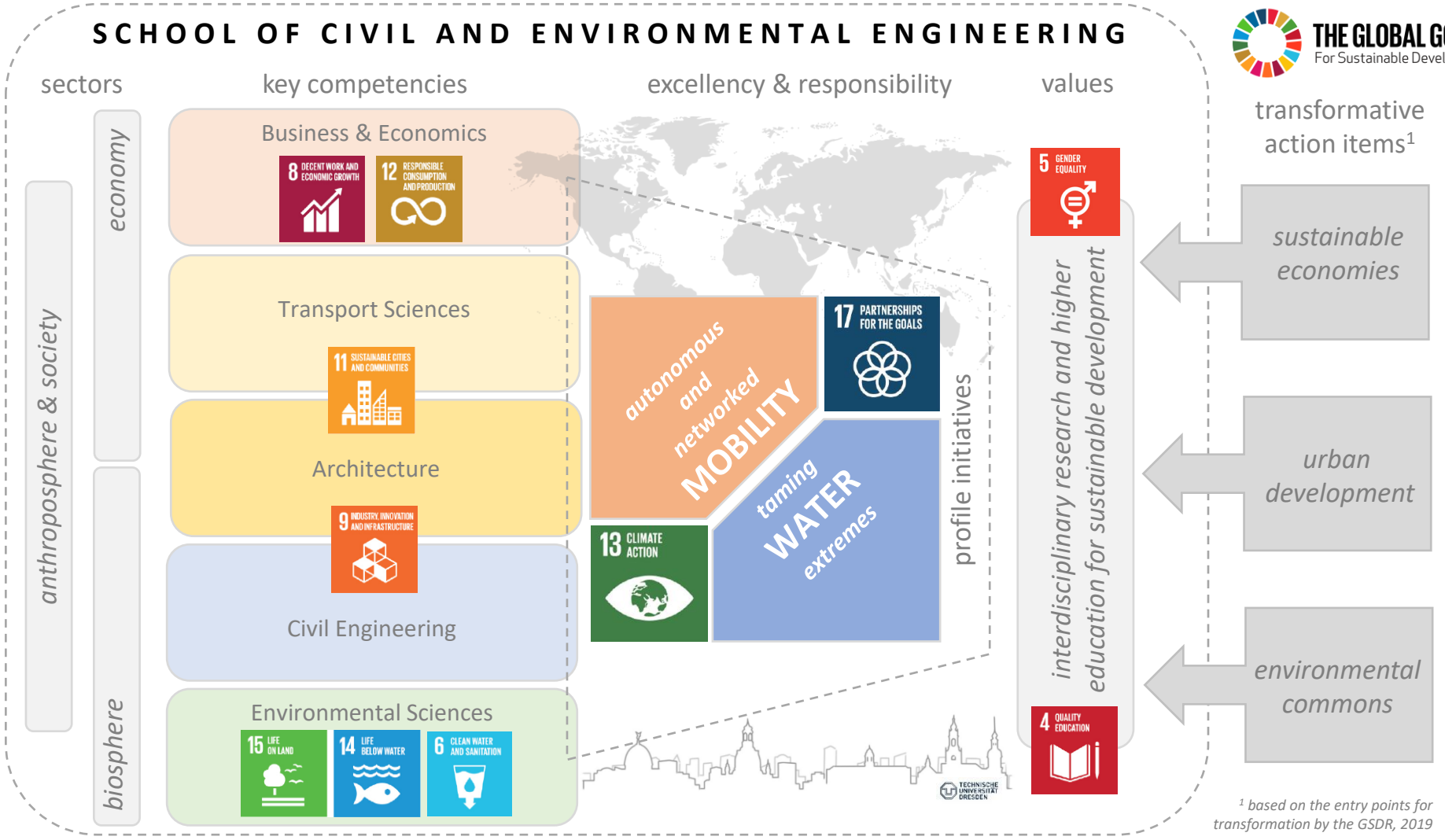


© Stockholm Resilience Center

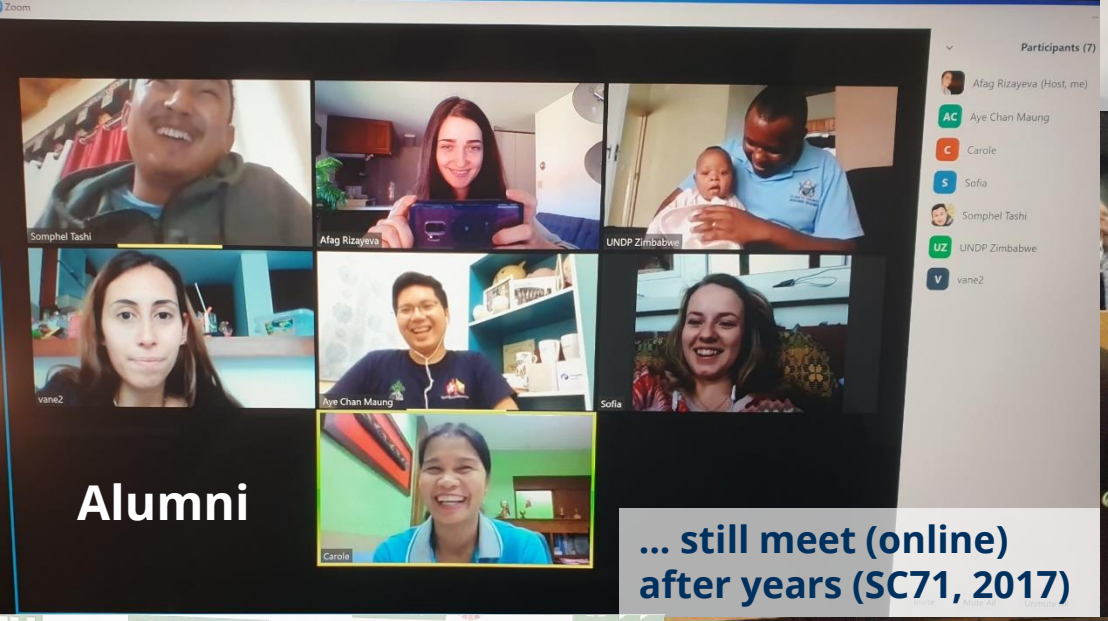
SUSTAINABLE DEVELOPMENT GOALS



SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING



[1] based on the entry points for transformation by the GSDR, 2019



Alumni

… still meet (online) after years (SC71, 2017)

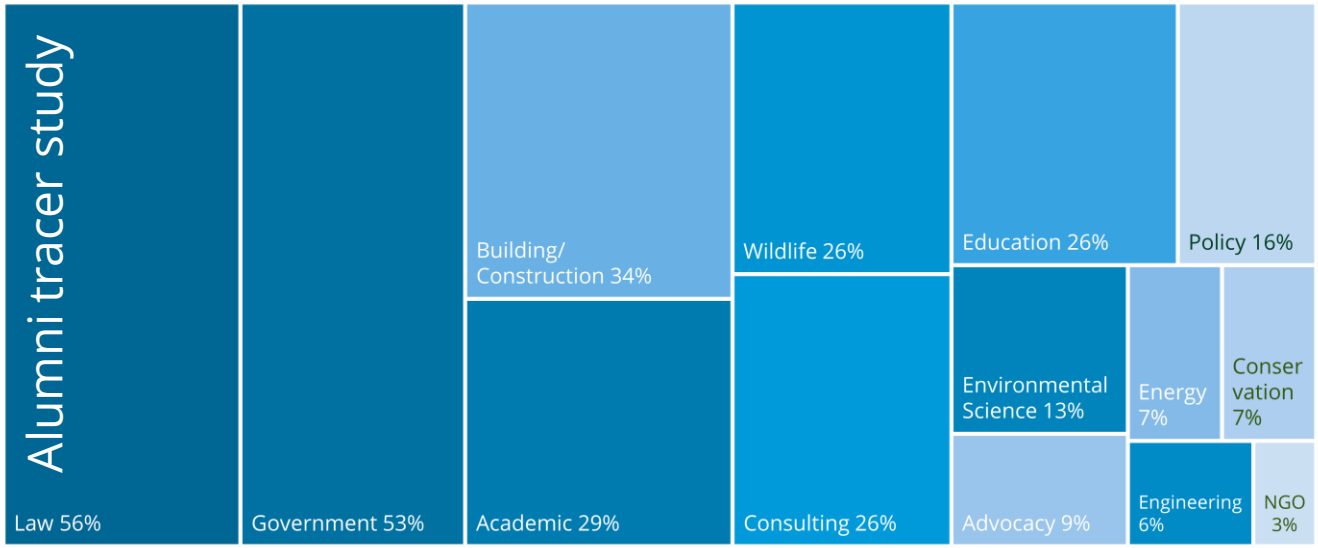
… catch up during a COP meeting (SC77, 2019)

… representing an UN mandate (SC68, 2016)

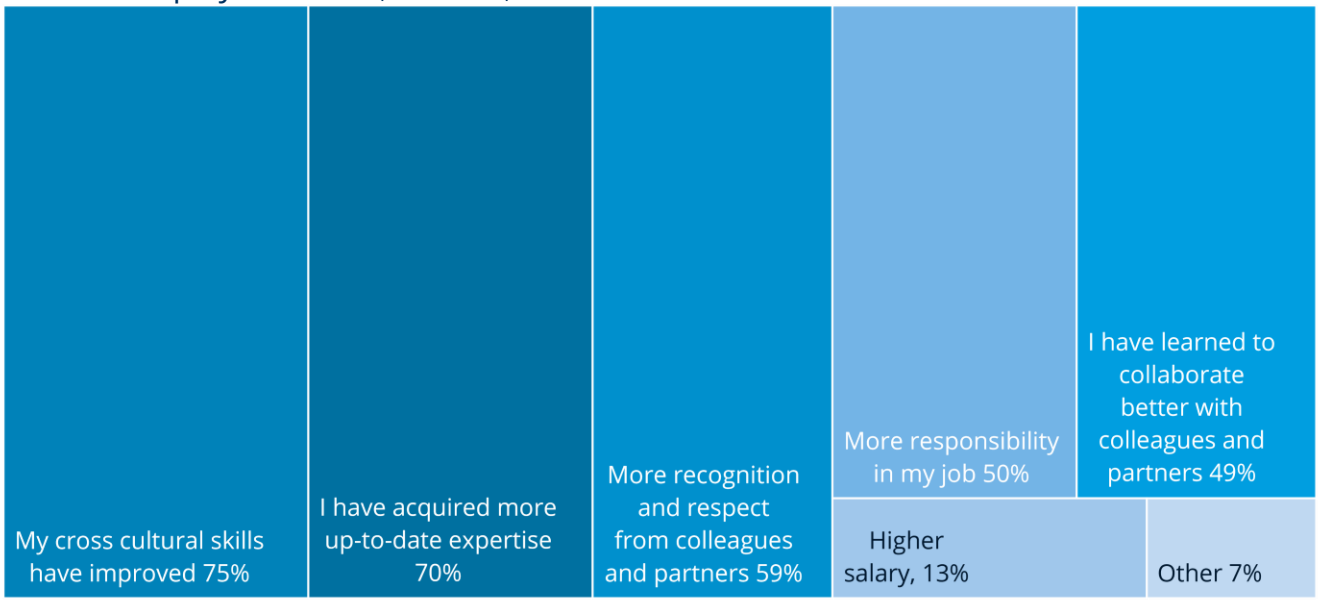
… opening a new faculty in their home country (SC60, 2013)

between 2010 and 2021 a total of 33 alumni from institutions like:

- Ministry of Environment and Forests, Government of India
- Department of Environment, Government of West Bengal
- Environment Ministry, Government of Maharashtra State
- Karnataka State Pollution Control Board
- The Energy and Resources Institute
- Confederation of Indian Industry
- Haldia Institute of Technology
- Climate Parliament India
- WWF India



Field of employment (multiple answers possible)



Course impact on career (multiple answers possible)

… making a difference

Delegation Armenia
UNFCCC COP26, Glasgow

1 – Ms. Hasmik Bersaghyan
President *European Youth Parliament for Water*
2019 @CIPSEM

2 – Ms. Nune Sakanyan
Founder/President
Women in Climate and Energy
2020 @CIPSEM

3 – Mr. Erik Grigoryan
former Minister of Environment
2007 @CIPSEM

Ms. Subha Niranjan, 2021 @CIPSEM (virtually)
Alumni Innovation Fellowship Project 2021/22
Rain Water Harvesting Project at Thirupalaya Government School, Bengaluru, India
https://www.youtube.com/watch?v=fGqpMtWMuaI

GLOBAL WATER AND CLIMATE ADAPTATION CENTRE
ABCD-CENTRE
Aachen-Bangkok-Chennai-Dresden

CIPSEM
www.tu-dresden.de/cipsem

Thank you for your attention!

43rd UNEP/UNESCO/BMU International Postgraduate Course on Environmental Management for Developing Countries

Opening ceremony, 09.01.2020

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CIPSEM

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Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection
based on a decision of the German Bundestag

Umwelt Bundesamt

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