

futurlabor

institut für systemische
zukunftsgestaltung



Welcome.

How can
transformative
learning promote
values connected to the
green transition?



Hello.

Educational institutions have an important role to play in the green transition as role models, networking partners, and knowledge brokers.

We provide support with our know-how in the form of training, consulting and guidance.

About this workshop.

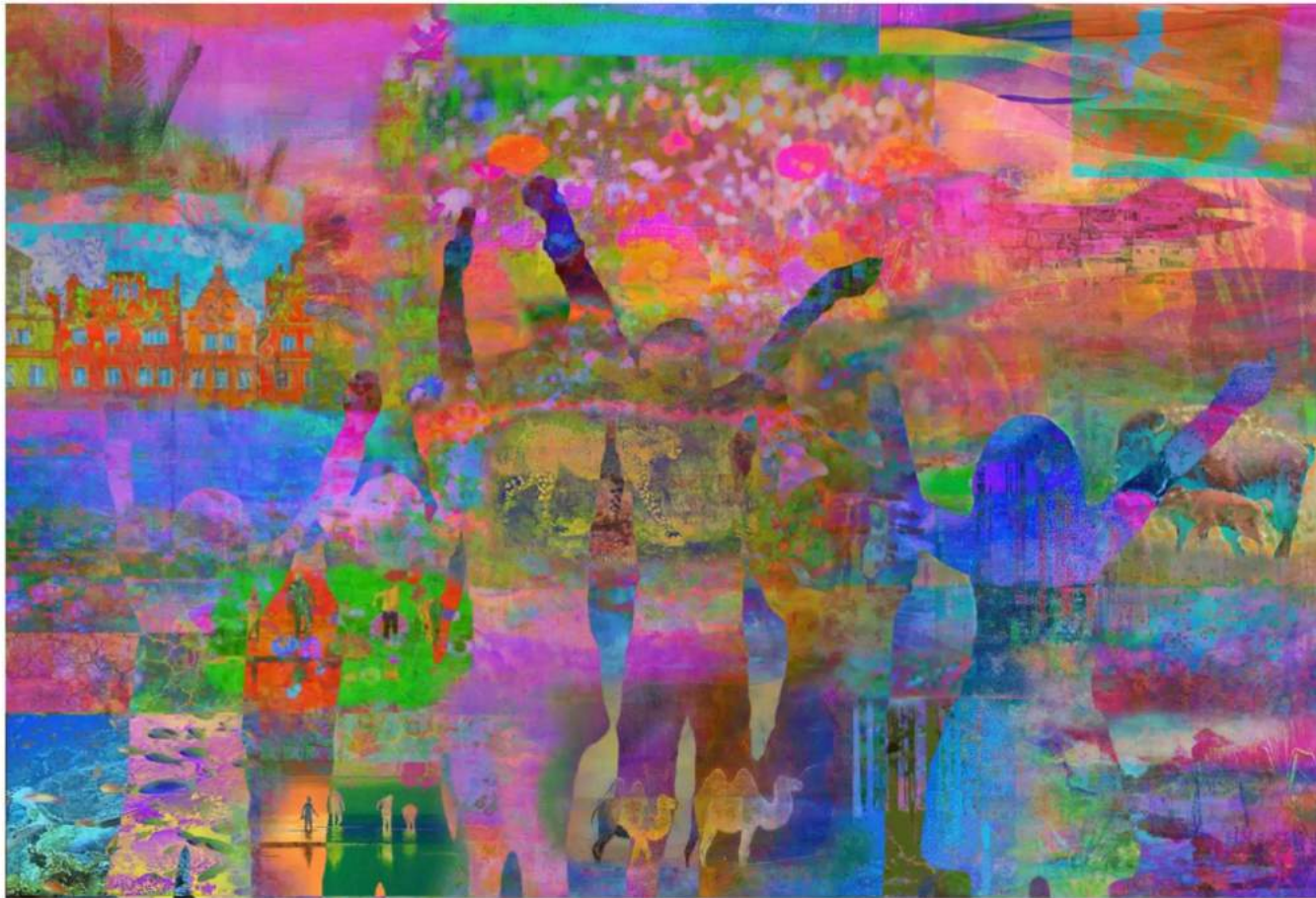
We would like to...

...inspire you.

...promote networking and exchange

...give you time to reflect your ideas.





Front cover
picture of the
last IPCC report

A Borrowed Planet - Inherited from our ancestors. On loan from our children. by Alisa Singer

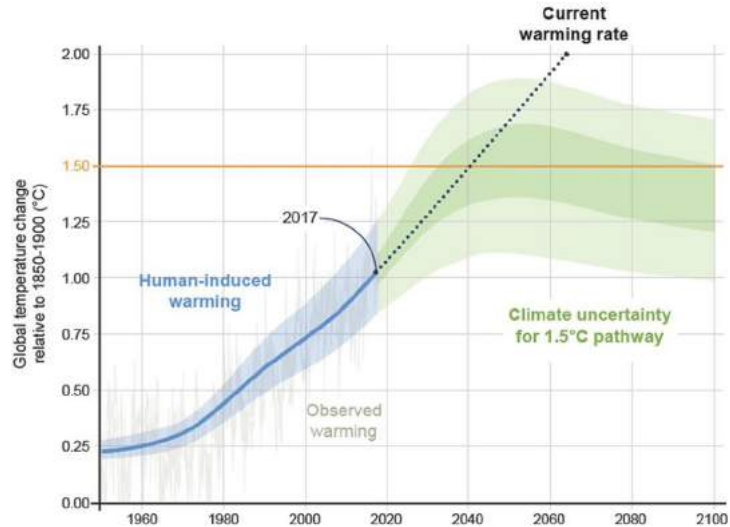
www.environmentalgraphiti.org © 2022 All rights reserved. Source: IPCC.

WHERE ARE WE ? & WHAT DO WE NEED TO DO?

Let's tackle our challenge!

How close are we to 1.5°C?

Human-induced warming reached approximately 1°C above pre-industrial levels in 2017



Source: IPCC Special Report on Global Warming of 1.5°C

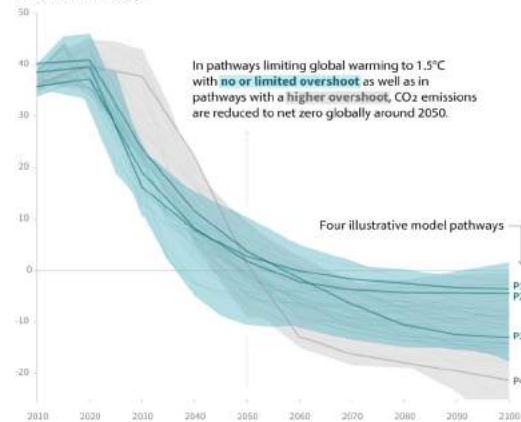


Global emissions pathway characteristics

General characteristics of the evolution of anthropogenic net emissions of CO₂, and total emissions of methane, black carbon, and nitrous oxide in model pathways that limit global warming to 1.5°C with no or limited overshoot. Net emissions are defined as anthropogenic emissions reduced by anthropogenic removals. Reductions in net emissions can be achieved through different portfolios of mitigation measures illustrated in Figure SPM.3b.

Global total net CO₂ emissions

Billion tonnes of CO₂/yr



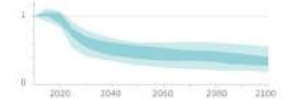
Timing of net zero CO₂:
Line widths depict the 5-95th
percentile and the 25-75th
percentile of scenarios

Pathways limiting global warming to 1.5°C with no or limited overshoot
Pathways with higher overshoot
Pathways limiting global warming below 2°C
(Not shown above)

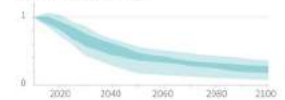
Non-CO₂ emissions relative to 2010

Emissions of non-CO₂ forcers are also reduced or limited in pathways limiting global warming to 1.5°C with **no or limited overshoot**, but they do not reach zero globally.

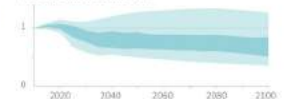
Methane emissions



Black carbon emissions



Nitrous oxide emissions





With this tool, you can calculate the carbon footprint of your organization.

360°carbon
by Climate Stewards

Sign in United Kingdom

Making Carbon Footprints Make Sense

An easy to use tool that allows you to work with others to calculate the carbon footprint of your church, synagogue, charity or small business

360°carbon is for

- Churches
- Synagogues [Learn More](#)
- Charities
- Small Businesses

Sign up for an account

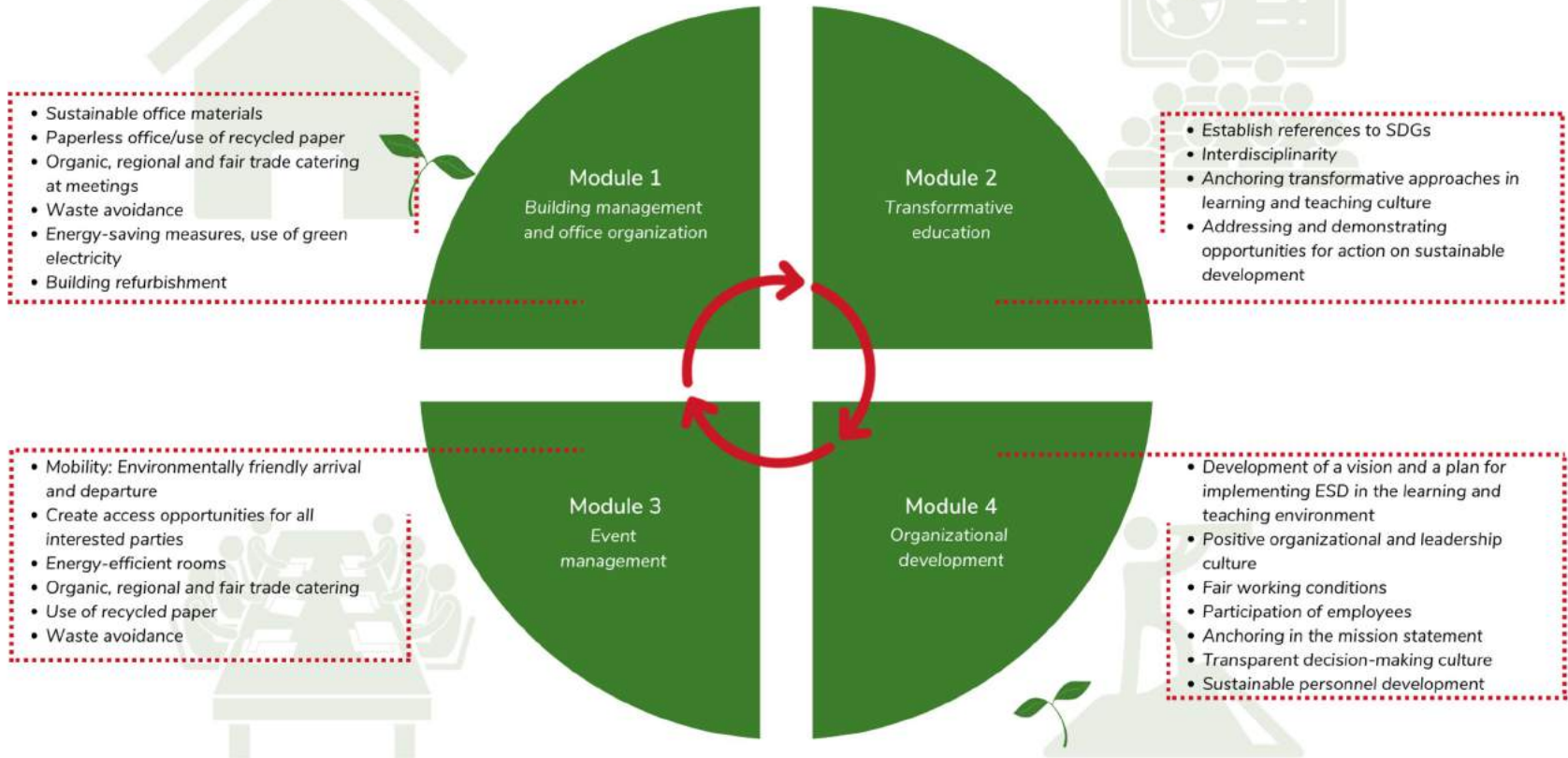
Creating an account is a simple two-step process that will give you immediate access to 360°carbon. Enter your name and email address here, add a password to your account on the next page, and that's it – you can get started.

Your name

Your email address

Working Areas

for sustainable development
in educational institutions



Transformative Learning: Keep learners in their Learning Zone!

Comfort Zone (C)

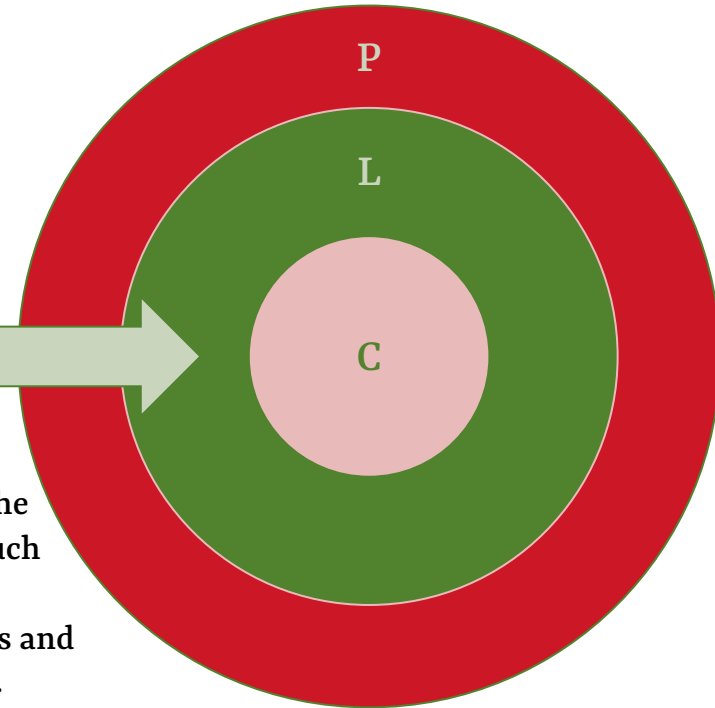
This is where you are now: feeling comfortable and safe.

Learning Zone (L)

This is where you are challenged, but where the steps are so small so you stay open to learn.

Panic Zone (P)

This is where the challenge is much too big, so you become anxious and you can't learn.





Educational institutions and their context

Purpose



Creating good education for learners

Educational institution



Freelancer

Context



Public Administration



Legal requirements



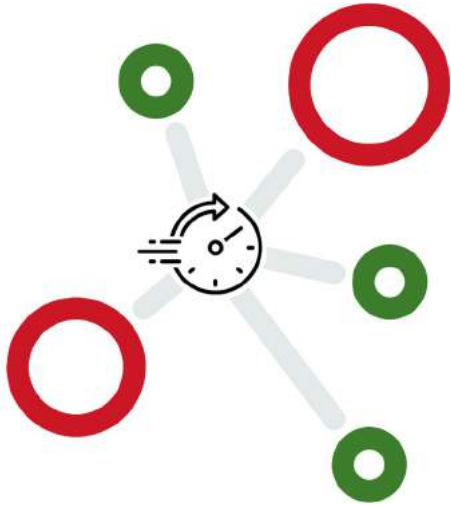
Regional environment



Regional Population



Network and Stakeholder



Your chance:
Become a
“greenfluencer”!

- Which learners do you reach actually? Which learners need to be reached for this topic? And which steps do they need?
- How can you place the topic in your network with colleagues, municipality, associations, ?
- Which key persons have to be involved into the communication to make this topic priority?
- How can you transform your organization so it can be a role model for others?

VALUES

Let's create connection to the green transition!



Source: Blackmore, E./ Sanderson, B. & Hawkins, R. (2012): Valuing equality. How equality bodies can use values to create a more equal & accepting Europe. URL: <https://equineteurope.org/wp-content/uploads/2019/08/Valuing-Equality.pdf>

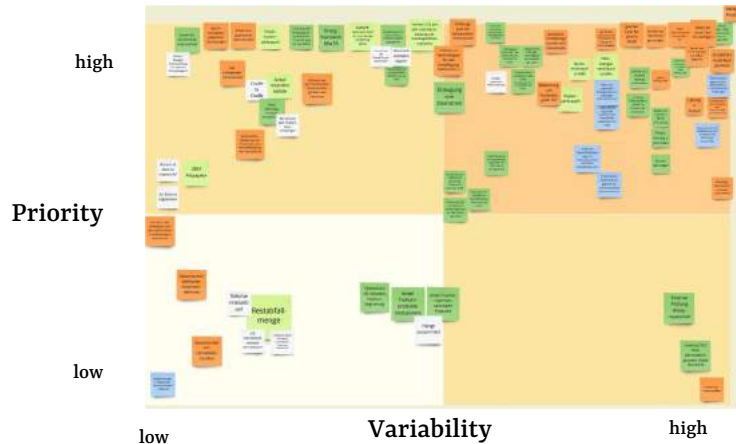
Let's create
 connection
 to the
 green
 transition!

Table 4. Average values held by people in Europe

	Security	Confor'y	Tradition	Beneve	Univrs'm	Self-Dr'n	Stimul'n	Hedon'm	Achiev't	Power
Belgium	4.6	4.2	4.5	5.1	4.9	4.6	3.7	4.4	3.9	3.4
Bulgaria	5.2	4.6	4.7	5.1	4.9	4.3	3.6	3.7	4.7	3.8
Croatia*	4.9	4.1	4.3	4.9	4.7	4.5	3.2	3.8	4	3.5
Cyprus	5.6	4.1	4.9	5.4	5.1	5	3.8	4.2	4.3	3.7
Czech Rep'c	4.8	4.3	4.2	4.5	4.5	4.6	3.5	3.9	3.9	3.9
Denmark	4.2	4.3	4	5.2	4.8	4.8	3.8	4.4	3.8	3.3
Estonia	4.7	4.1	4.1	4.8	4.7	4.4	3.5	3.7	3.6	3.1
Finland	4.6	4.1	4.1	5	5	4.6	3.7	4	3.4	2.8
France*	4.2	3.7	4	4.9	4.9	4.4	3.4	4.3	3.3	2.8
Germany	4.7	3.8	4.3	5.2	5	4.8	3.5	4.3	3.9	3.2
Greece*	5.2	4.6	4.7	5.2	5.1	4.9	4	4.5	4.5	4.4
Ireland	4.9	4.1	4.3	5.1	4.9	4.8	3.8	3.8	4.1	3.6
Latvia*	5.2	4	4.4	4.8	4.6	4.7	3.9	4.1	4.4	4.2
Netherlands	4.3	4.1	4	4.9	4.8	4.8	3.8	4.3	3.9	3.2
Norway	4.2	4.4	3.9	5	4.7	4.6	3.6	3.9	3.6	3.1
Poland	5	4.7	4.6	5	5	4.6	3.6	3.4	4.1	3.8
Portugal	4.6	4	4.3	4.6	4.5	4.4	3.4	3.8	4.1	3.5
Romania*	4.7	4.4	4.3	4.4	4.6	4.3	3.6	3.7	4.3	4.1
Slovakia	5.1	4.7	4.7	4.8	4.8	4.8	3.7	3.7	4.3	4
Slovenia	5.2	4.4	4.9	5.1	5.2	4.9	3.9	4.4	4.5	3.7
Spain	5	4.3	4.7	5.3	5.2	4.8	3.5	4	3.7	3
Sweden	4.1	3.9	4.1	5.1	4.9	4.7	3.6	4.3	3.5	3.2
UK	4.8	4.2	4.3	5.1	4.9	4.7	3.7	3.9	3.9	3.3

INDICATORS

How to stay “on track”?



Examples for ecological indicators:

- “Climate protection”: Scope of CO₂-emissions along all supply chains
- “Energy consumption”: Share of renewable energies in the electricity mix (ideal: 100%) & Amount of energy consumption in kWh
- “Procurement & Catering”: Proportion of plant-based/ organic/ cradle-to-cradle-products

Examples for social indicators:

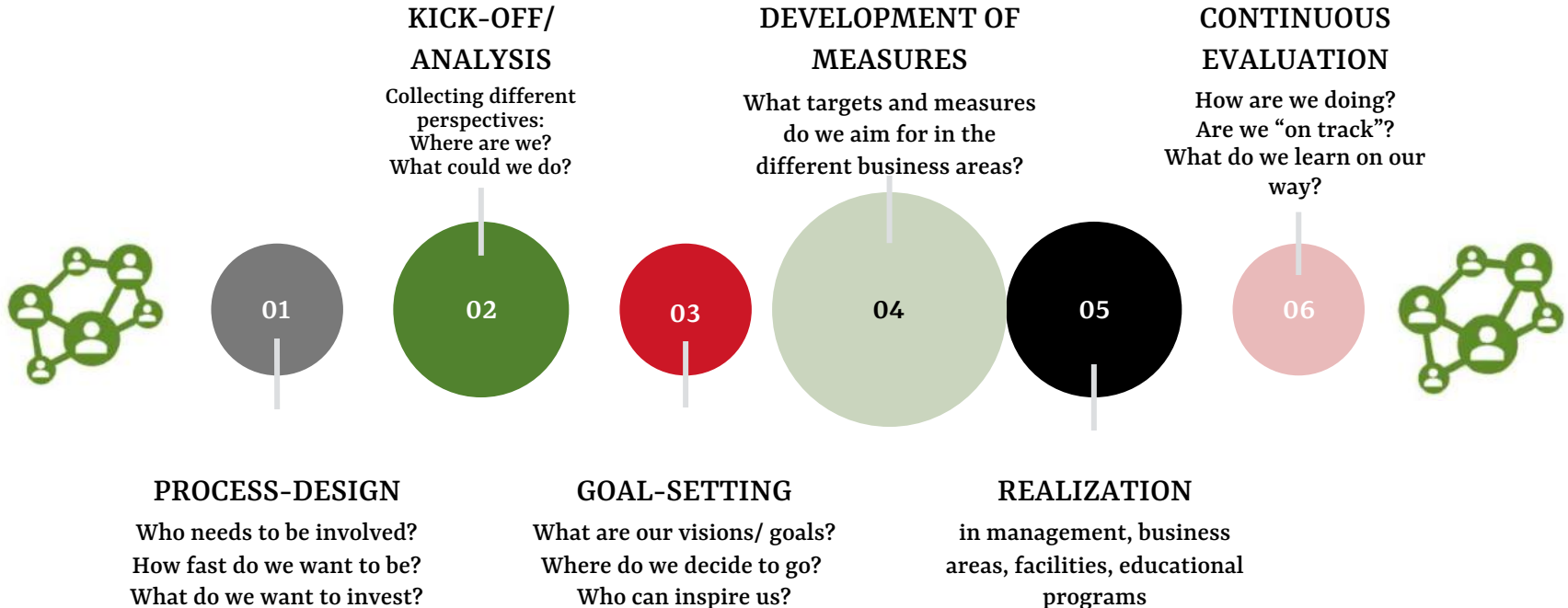
- “Employment”: Proportion of employees covered by collective bargaining agreements
- “Equality”: Proportion of management positions in part-time and shared positions

Examples for economic indicators:

- Share of contracts awarded to regional suppliers
- Existence of own ethical guidelines for investment

ORGANIZATIONAL CHANGE

How can a green transition look like?



VALUES

Find the connection to the green transition that fits to the values of your eco-system!

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



17 PARTNERSHIPS FOR THE GOALS



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



15 LIFE ON LAND



14 LIFE BELOW WATER



13 CLIMATE ACTION



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



11 SUSTAINABLE CITIES AND COMMUNITIES



10 REDUCED INEQUALITIES



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



You have radiant power:

As educational institution you work
with an incredible number of different
people.

Take this chance and make the green
transition visible in your organisation,
in your building, in your offers, in
your network.



Spread your values!
Share your knowledge!
Keep people learning!

Thank you!

Exchange: Next Steps

How could the way for
educational institutions to bring
forward the green transition look
like?

**What are the three most
important steps?**



Spread your values!
Share your knowledge!
Keep people learning!



Contact:



Sabine Bertram

BILDUNGSFRAUEN, Vordere Schöneworth 17a, 30167 Hannover

www.bildungsfrauen.de

mail@bildungsfrauen.de



Susanne Rodemann-Kalkan

futurlabor, An der Bismarckschule 4b, 30173 Hannover

www.futurlabor.de

srk@futurlabor.de