

**Royal Conservatoire
The Hague**



Co-funded by
the European Union

**50th AEC annual
congress and
general assembly
2023**

Enhancing quality through
sustainable connections

TOWARDS THE GREEN TRANSITION IN HIGHER MUSIC EDUCATION

9-10-11 November, 2023

Royal Conservatoire - The Hague



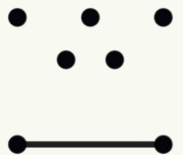
AEC Anniversary

Implementation of
environmental management

mozarteum
university ●

Maria Kalleitner-Huber
Head of sustainability

Mozarteum University Salzburg



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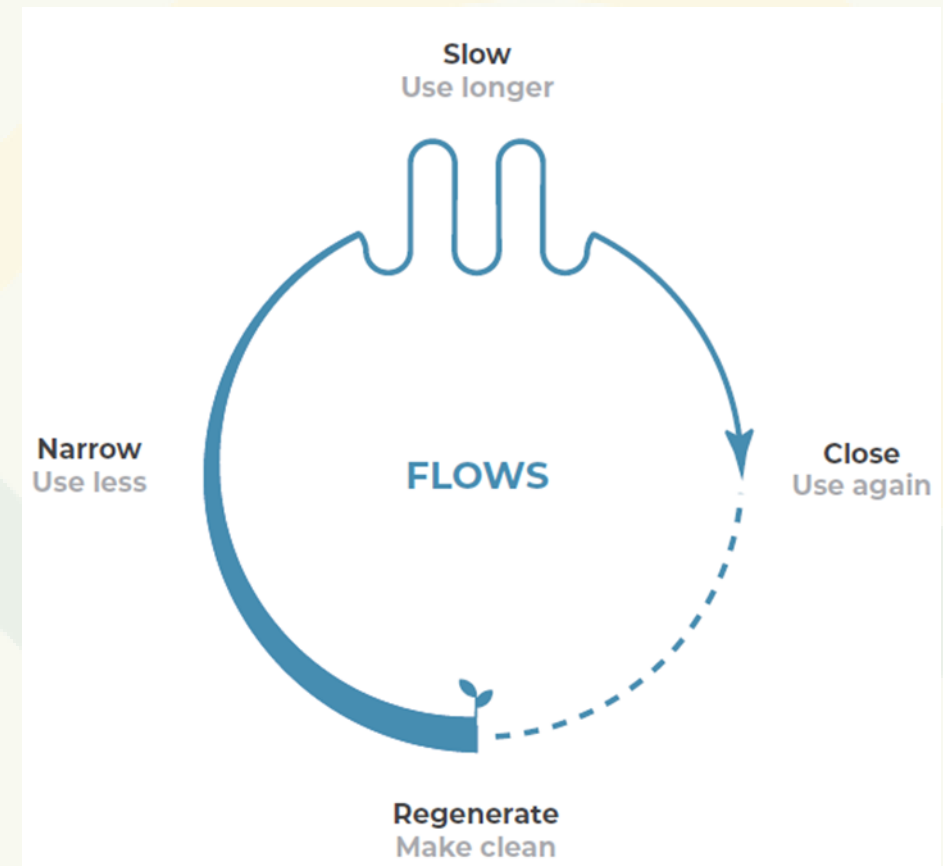
Urgent necessity to REDUCE resource flows

The SITUATION:

We do not have a resource problem; we do have a waste and (CO₂) emission problem!

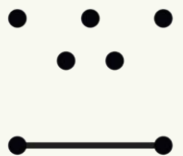
The GOAL: Net Zero – climate-neutral

- EU: 2050, minus 55% until 2030
- AT: 2040, minus 48% until 2030
- Universities in Austria: 2035 (GUEP, General university development plan)



Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

- WHY US?
- Net zero means net zero for every one of us.
- Share of universities might be smaller than other sectors, but the multiplication effect is very high. And: Educational institutions have a strong responsibility and should be motors for transition towards sustainability & climate neutrality!



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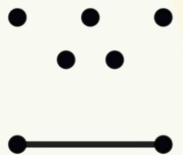
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TOWARDS THE GREEN TRANSITION IN HIGHER MUSIC EDUCATION

Panel discussion on green practices

Dušanka Jelenković Vidović

AEC Goes Green Working Group Chair



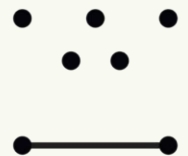
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Guidelines, recommendations, reports

- European Commission, *Greening the Creative Europe Programme*, report (December 2022)
- European University Association, *A Green Deal roadmap for universities* (October 2023)
- Voices of Culture: *Culture & Creative Sectors & Industries driving Green Transition and Facing the Energy Crisis*, Brainstorming report (September 2023)



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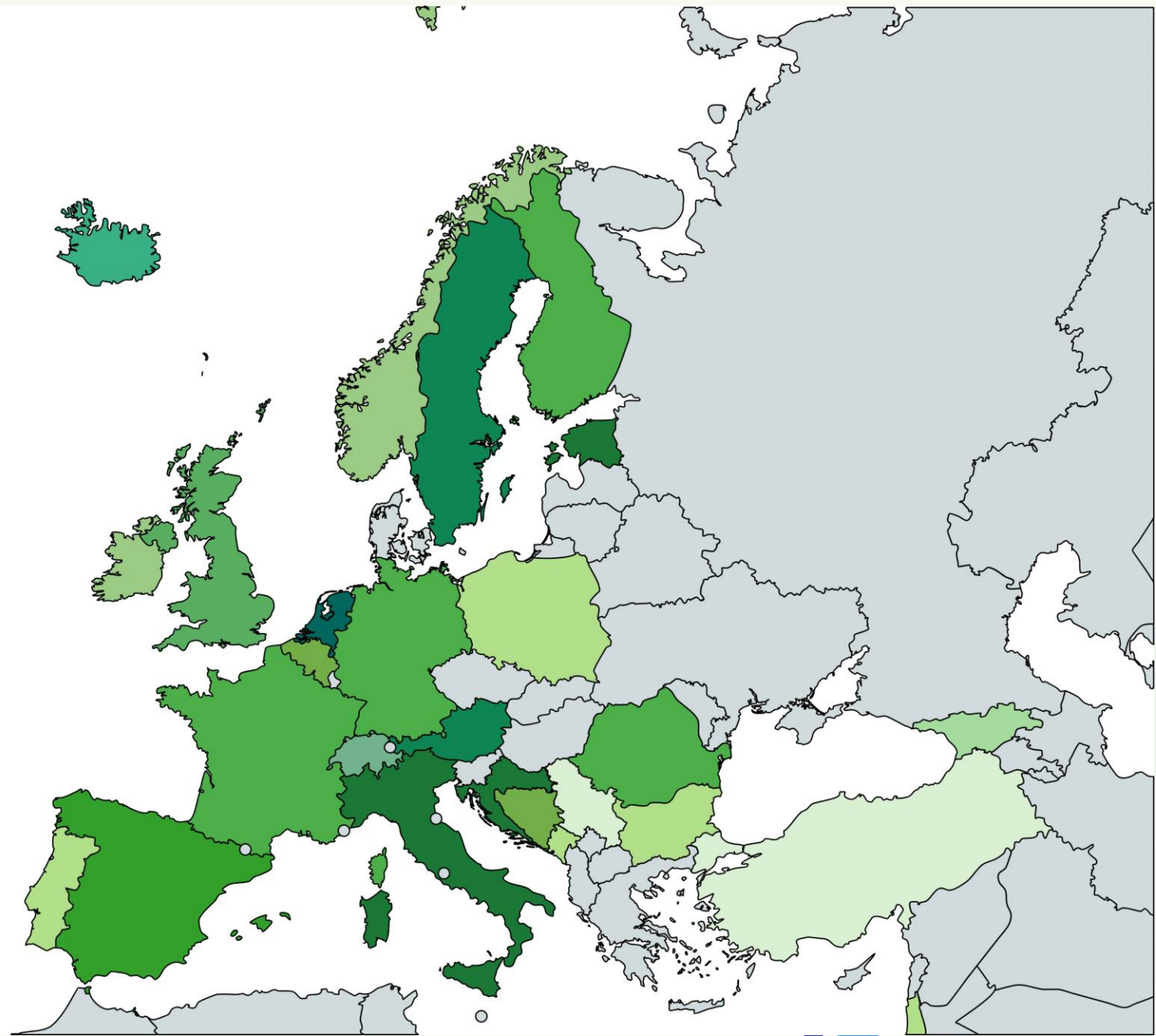
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Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Country
Representation
of Survey
Respondents



Created with mapchart.net

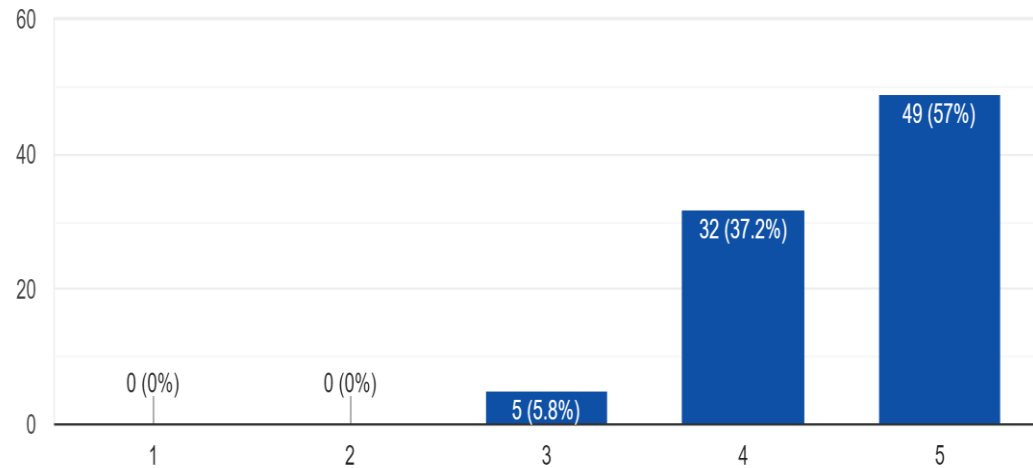


Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Attitudes and position regarding green and environmental issues

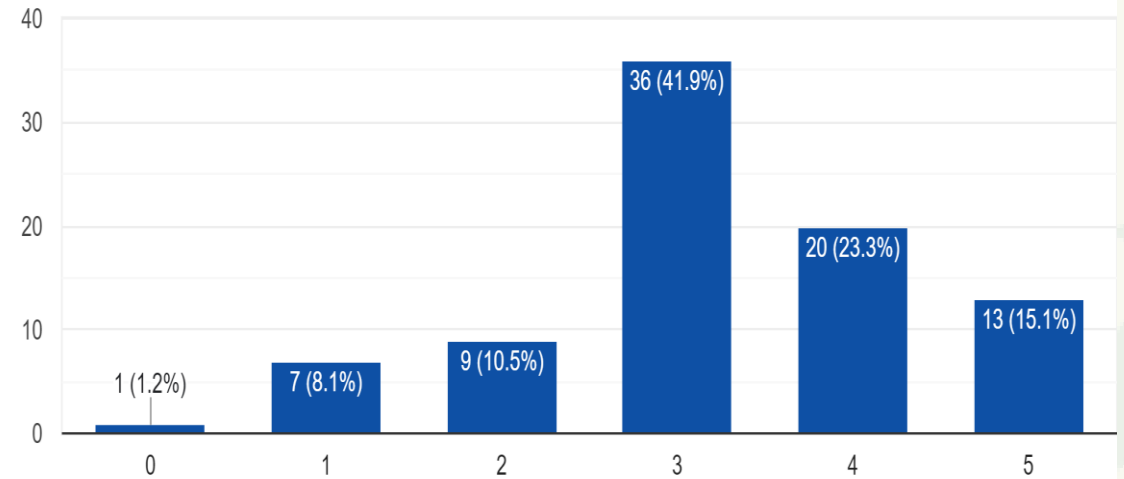
On a scale of 0 to 5, how concerned personally are you regarding the climate crisis and environmental problems?

86 responses



On a scale of 0 to 5, how much do you think that you can personally contribute to the green transition in the higher music education sector?

86 responses

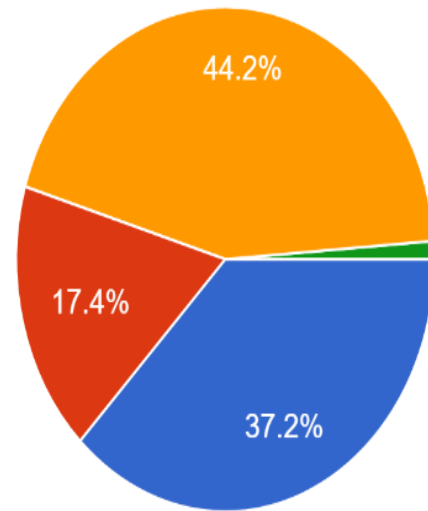


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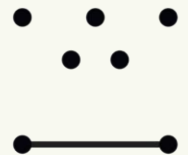
Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Have you already taken part in green initiatives and actions in your professional career and/or in your institution?

86 responses



- Yes
- No
- No, but I would like to, if provided with the opportunity
- on personal terms



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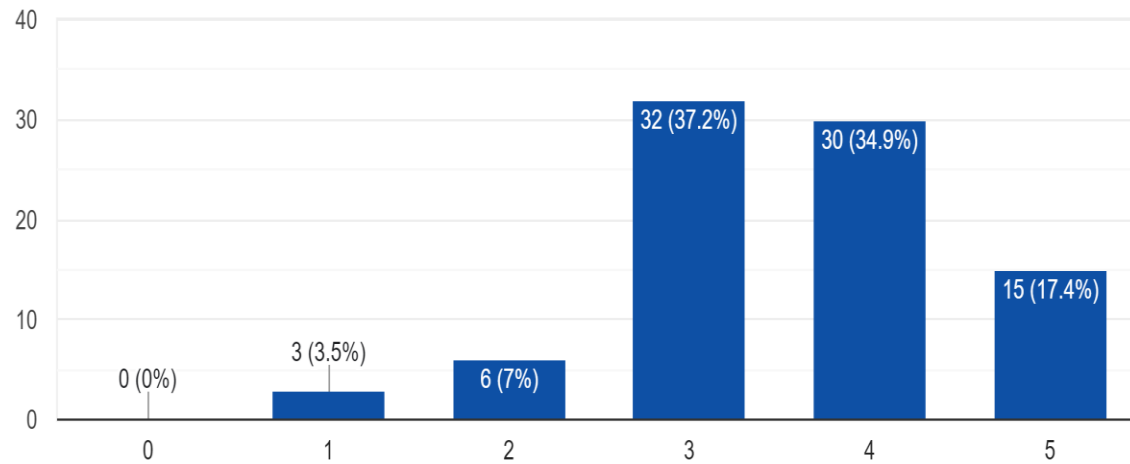
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Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Attitudes and position regarding green and environmental issues

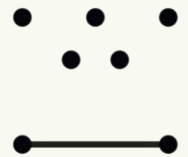
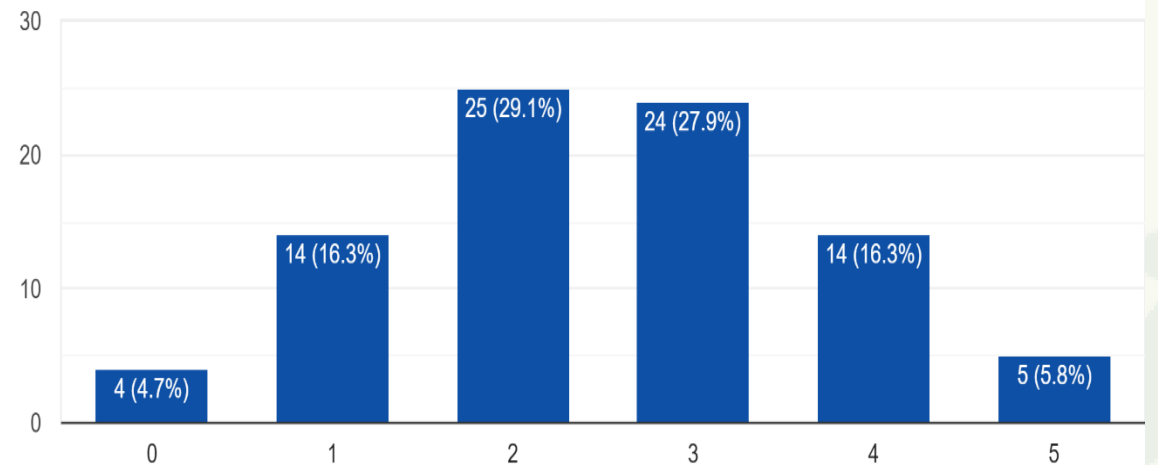
On a scale of 0 to 5, how much do you think that your institution can contribute to making the higher music education sector more sustainable and environment-friendly?

86 responses



In your opinion, how active your institution is in making the green transition in higher music education sector?

86 responses

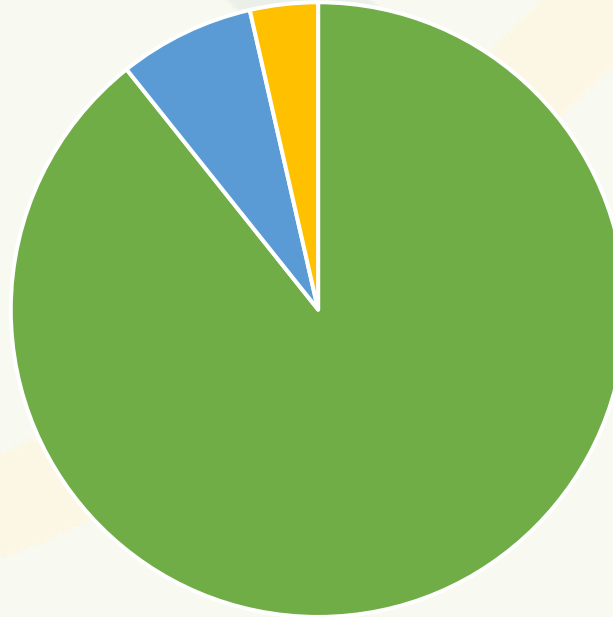


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Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Some measures towards a more eco-responsible behaviour already in place



■ Yes ■ No ■ I don't know



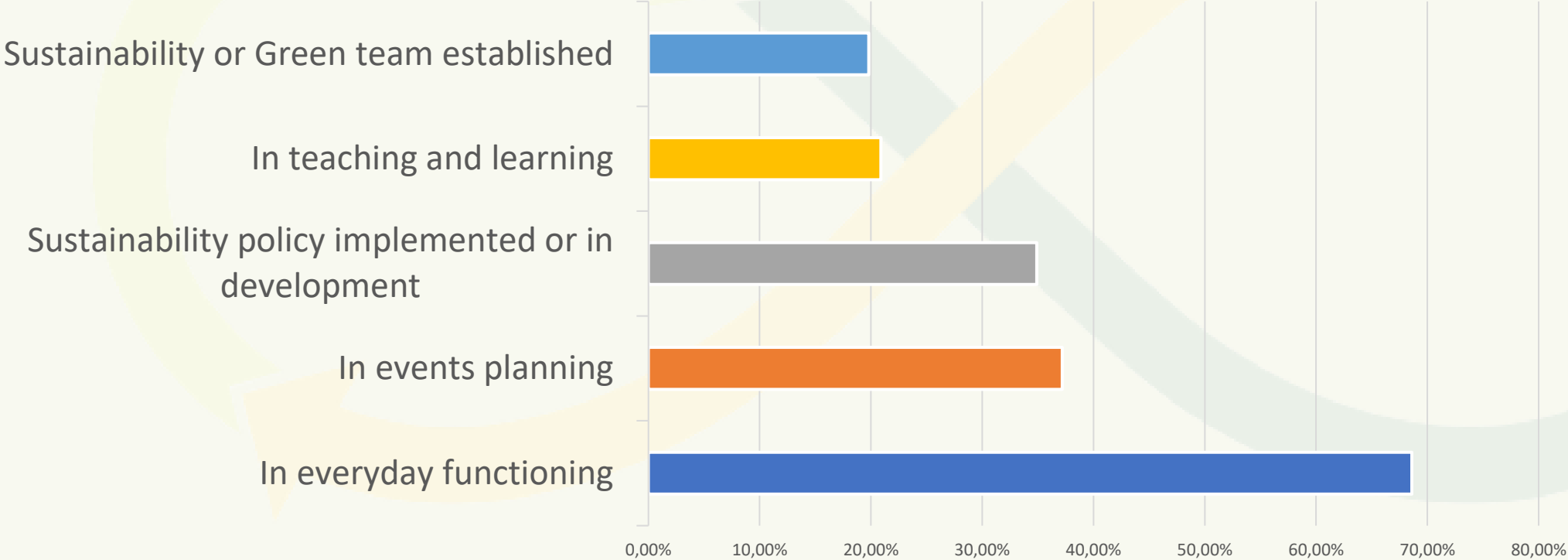
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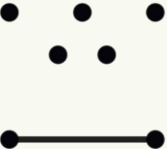
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Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Actions taken at HMEIs toward the eco-responsible behaviour



■ In everyday functioning ■ In events planning ■ Sustainability policy implemented or in development ■ In teaching and learning ■ Sustainability or Green team established



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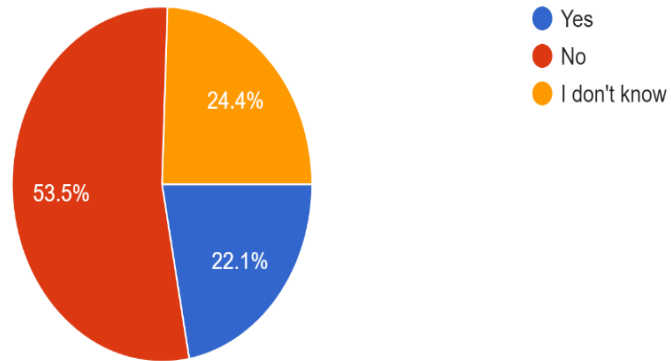
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Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Sustainability policies and Green teams

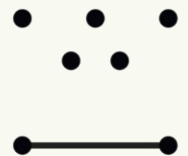
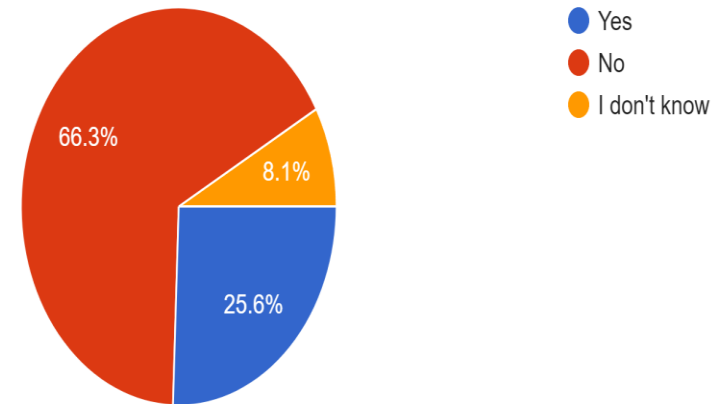
Does your institution have a sustainability policy / strategy?

86 responses



Does your institution have a Green Team responsible for the implementation of the environmental sustainability policy and/or actions?

86 responses



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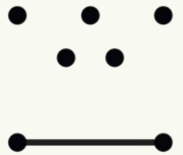


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TOWARDS THE GREEN TRANSITION IN HIGHER MUSIC EDUCATION

Panel discussion on green practices

Morten Qvenild
Norwegian Academy of Music



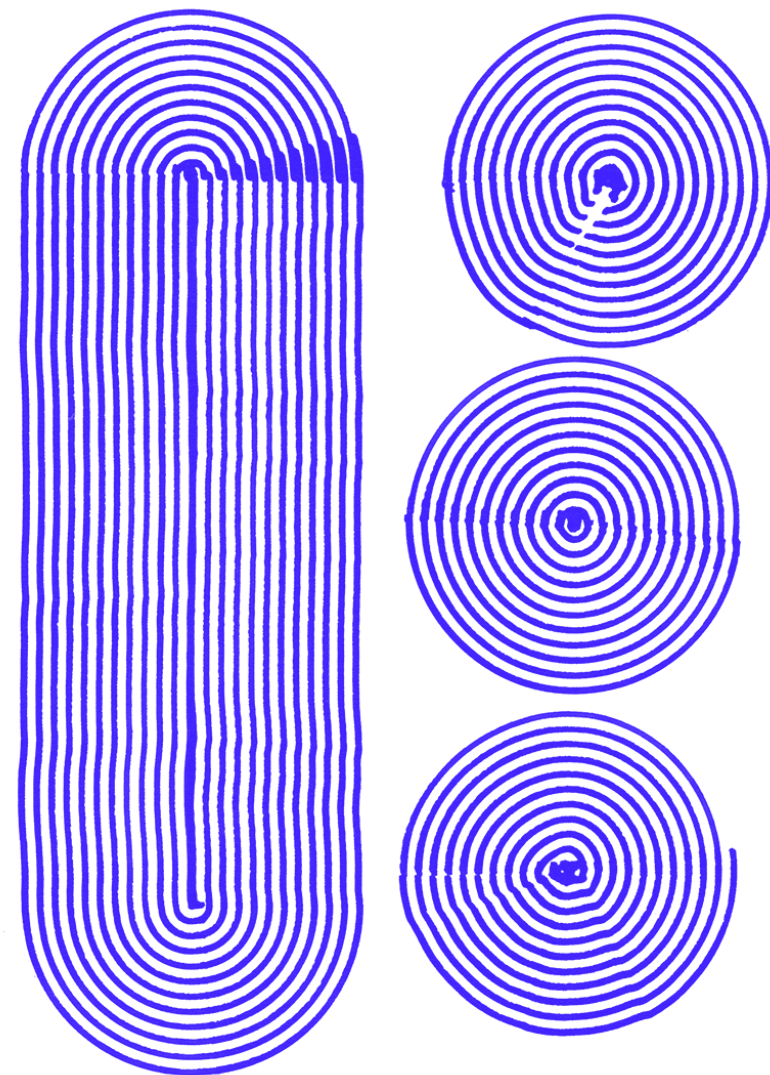
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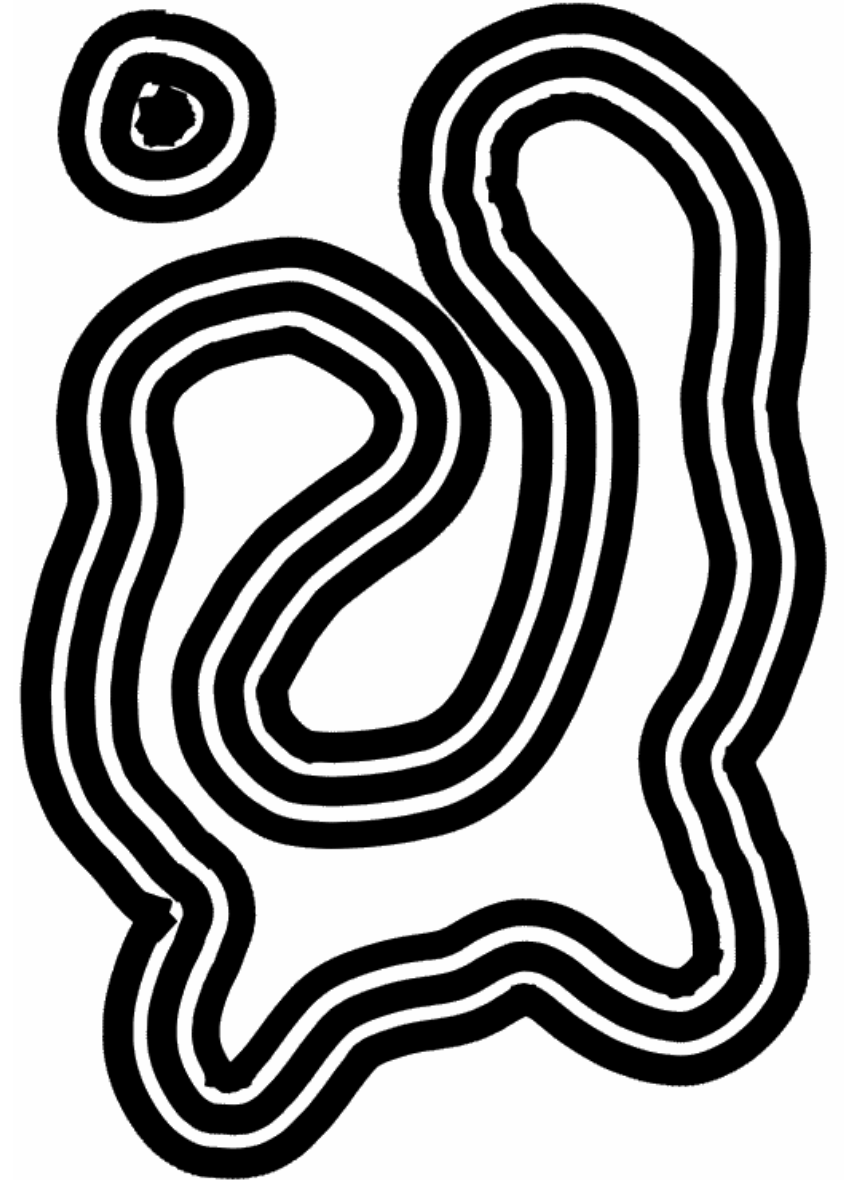
GREEN NMH - Background

- Started 2021 - initiative from our board
- Broad working group towards a certification as Eco-lighthouse 2022
- Eco-lighthouse: certification tool, guidelines, incentive to change. (10000 ent. in Norway)



Operation steering group
working group - reference group

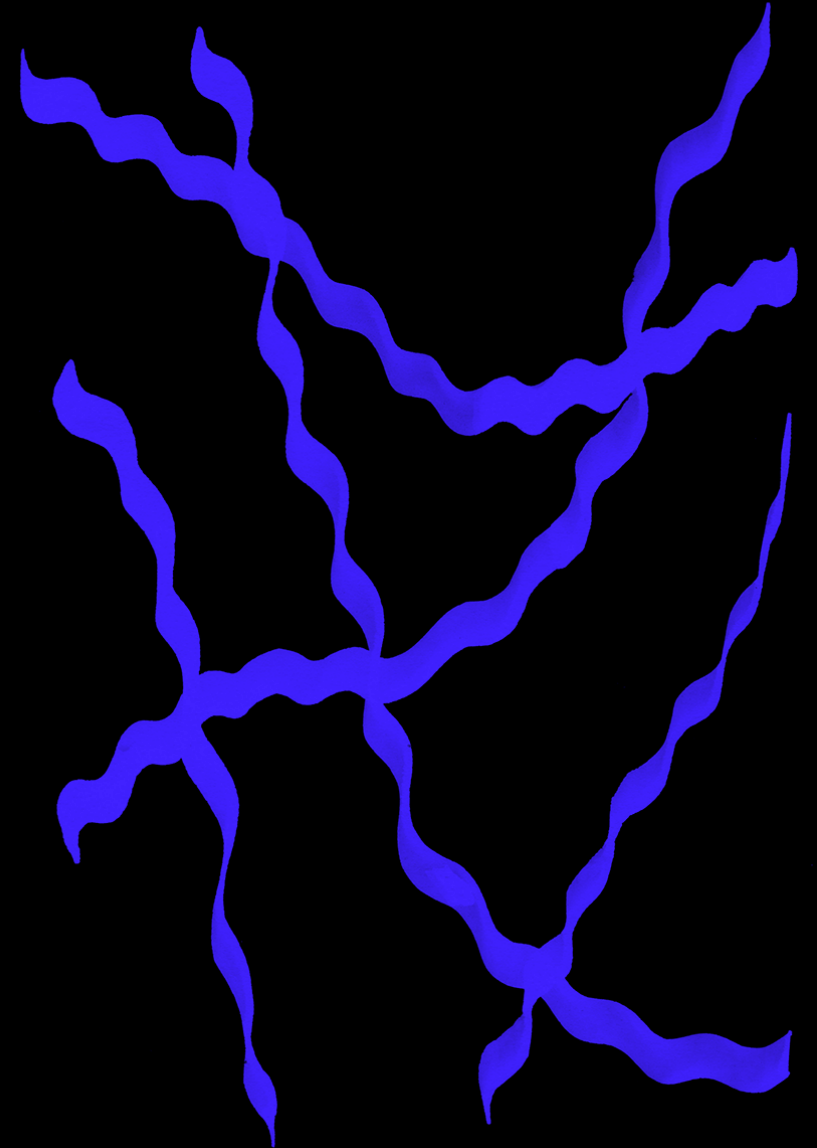
- Gain support inhouse
- Reduce Co2 footprint
- Choose ecolabelled
- 90% ecocertified suppliers
- More eco-friendly travels
- Less waste





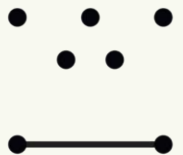
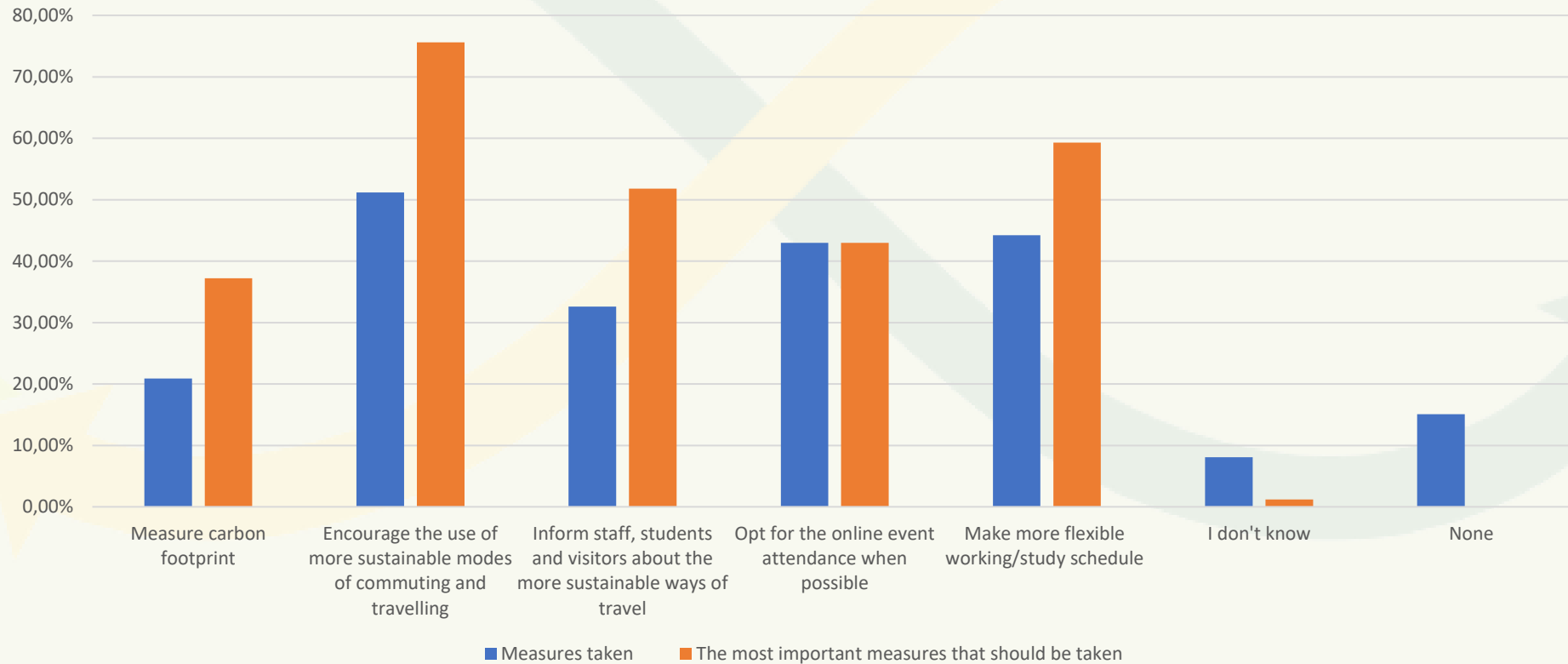
Perspectives

- How to reduce flights and encourage cooperation internationally when you have different geographical and financial prerequisites for cooperation?
- How to make use of the distinctive artistic competence in the face of climate change?
- What responsibility do educational institutions have towards their students regarding green awareness and attitude during their studies?
- Green conversion is not free, how to prioritize the measures and processes at the individual institution?



Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Sustainable commuting and traveling



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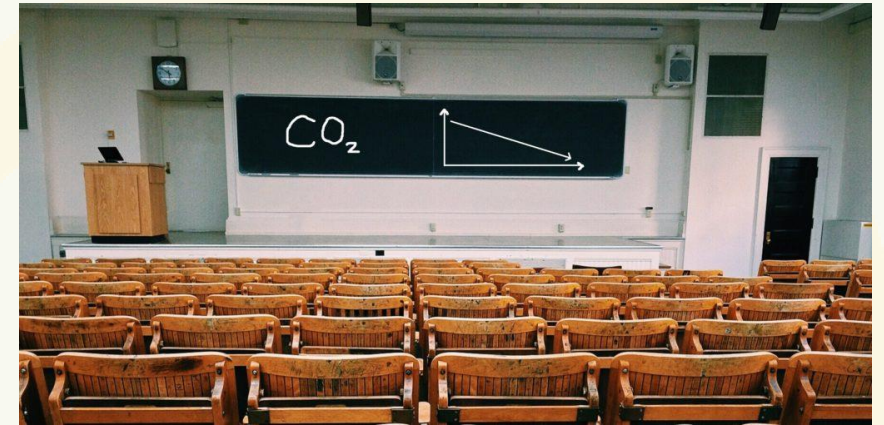
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What we work on

CO₂ accounting with ClimCalc:
energy (electricity, heating/cooling, fuel),
materials (prints, IT, air condition),
mobility (commuting, business trips)

EMAS environmental management auditing
scheme for the continuous improvement of:
Energy, materials & water consumption,
emissions, waste, biodiversity

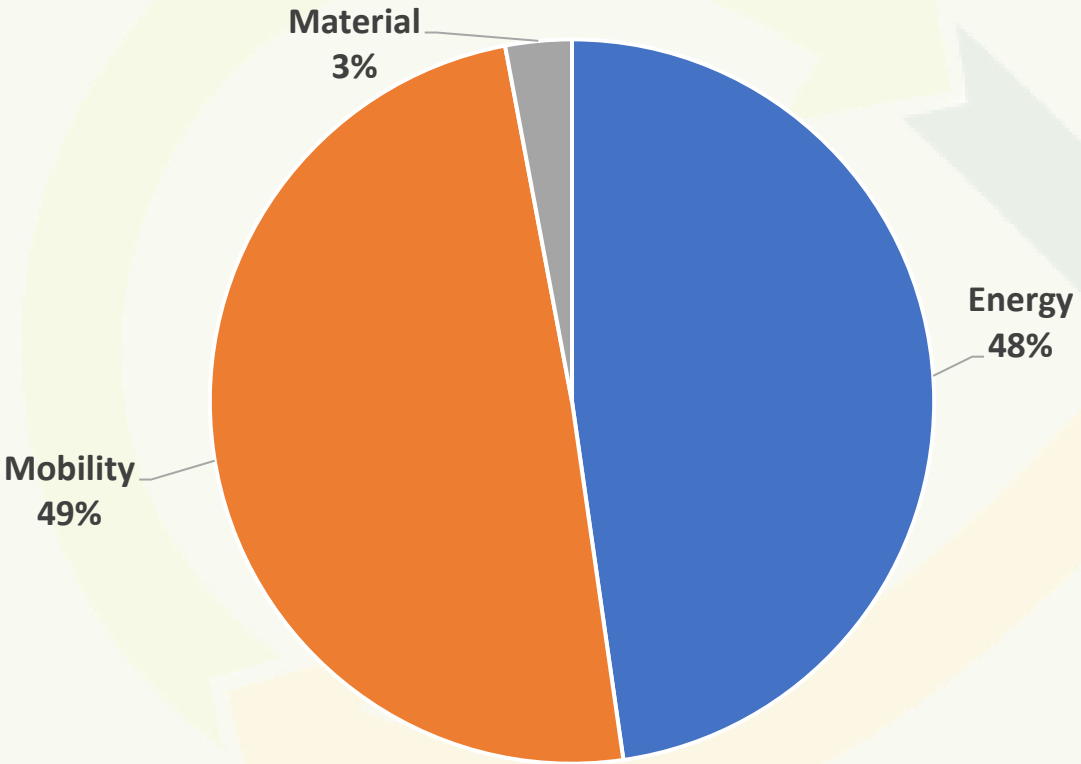
Sustainability strategy - 2024



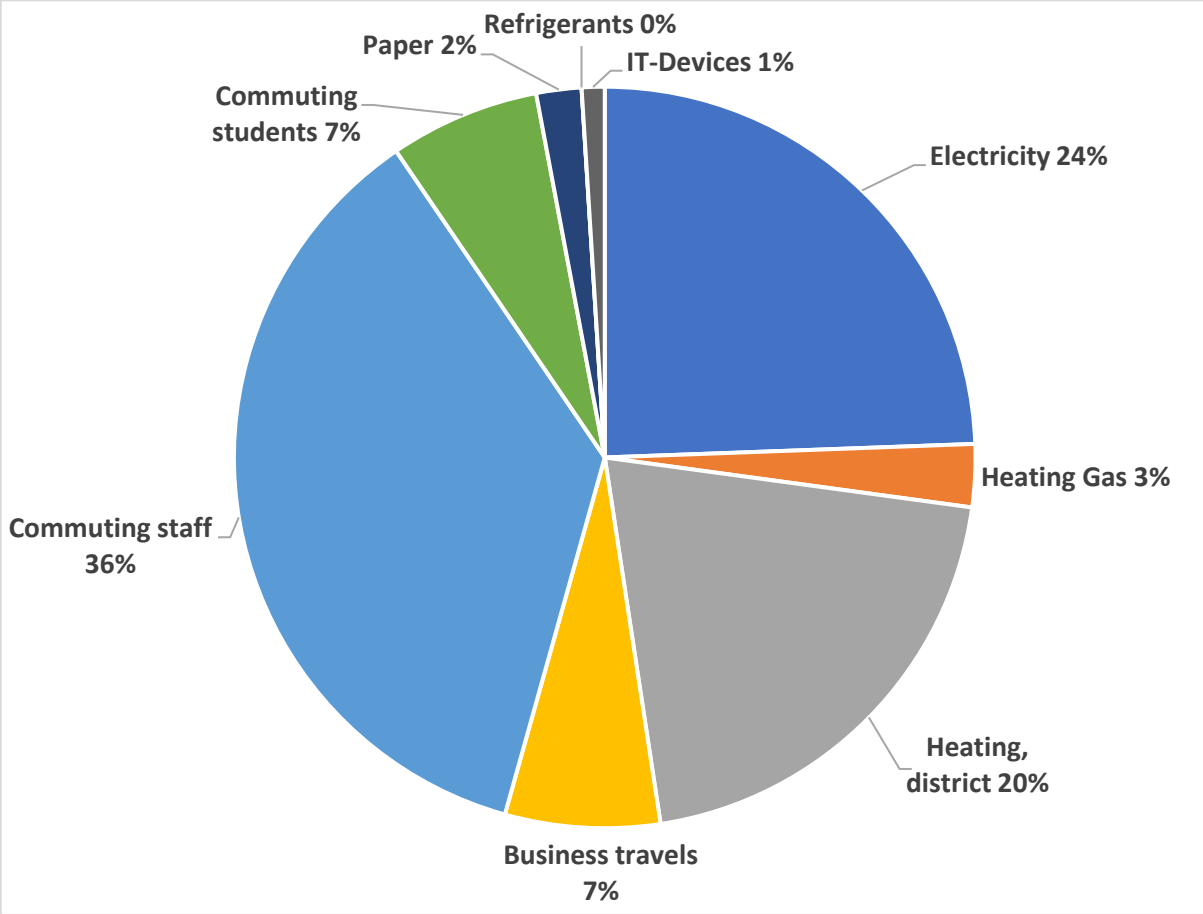
ClimCalc tool based on Excel
+ for universities and colleges
+ same methodology
+ same emission factors
→ basis for improvement
→ Net zero path

CO₂-Accounting at Mozarteum University

Results 1st CO₂-Balance: 1.944 t [CO₂-eq]

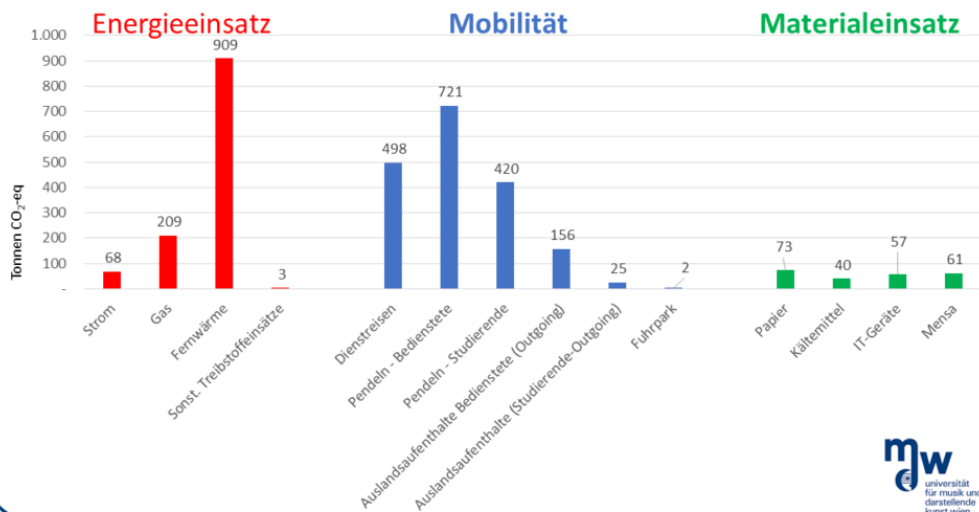


CO₂-Emissions per category

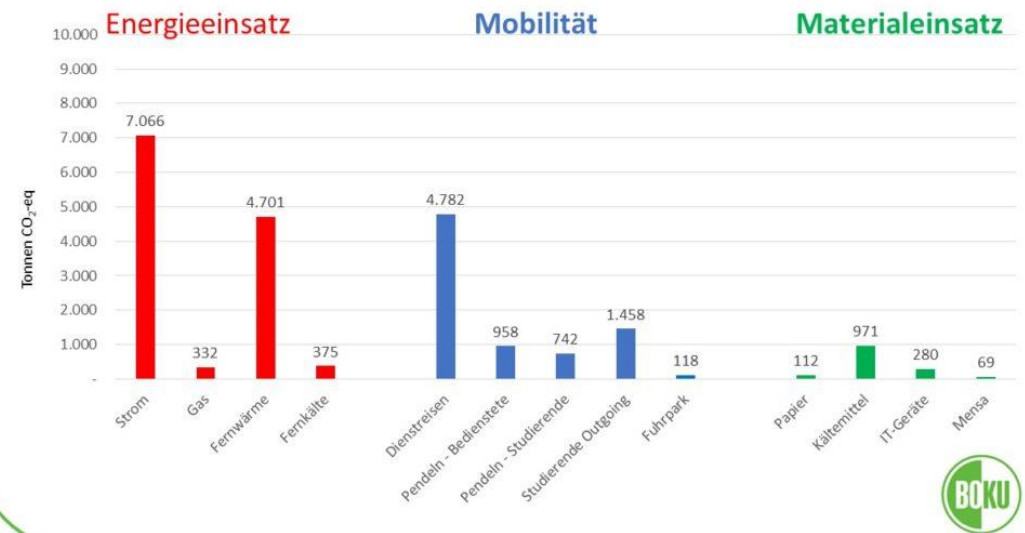


Data: Invoices, travel expenses reporting, survey on mobility behaviour reference year 2019 – pre Covid19!

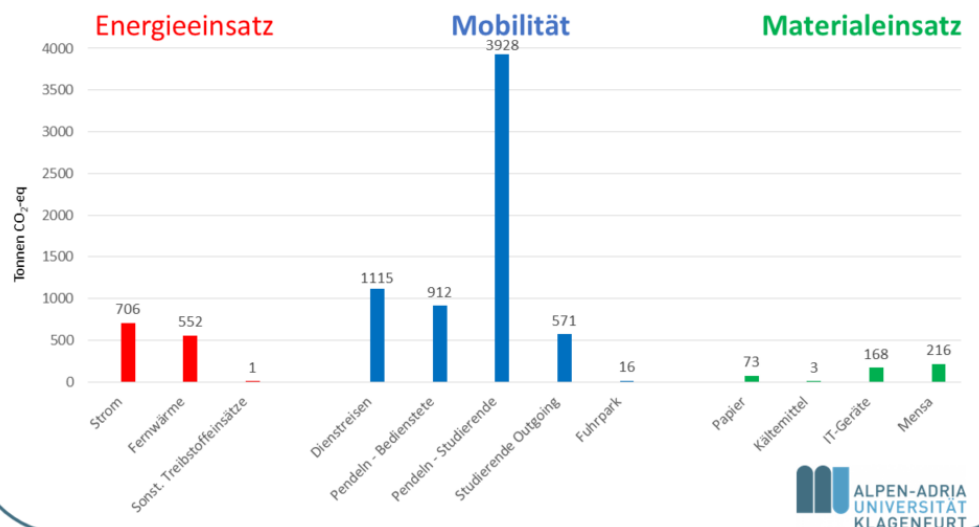
Gesamtemissionen MDW 2019: 3.242 t CO₂-eq



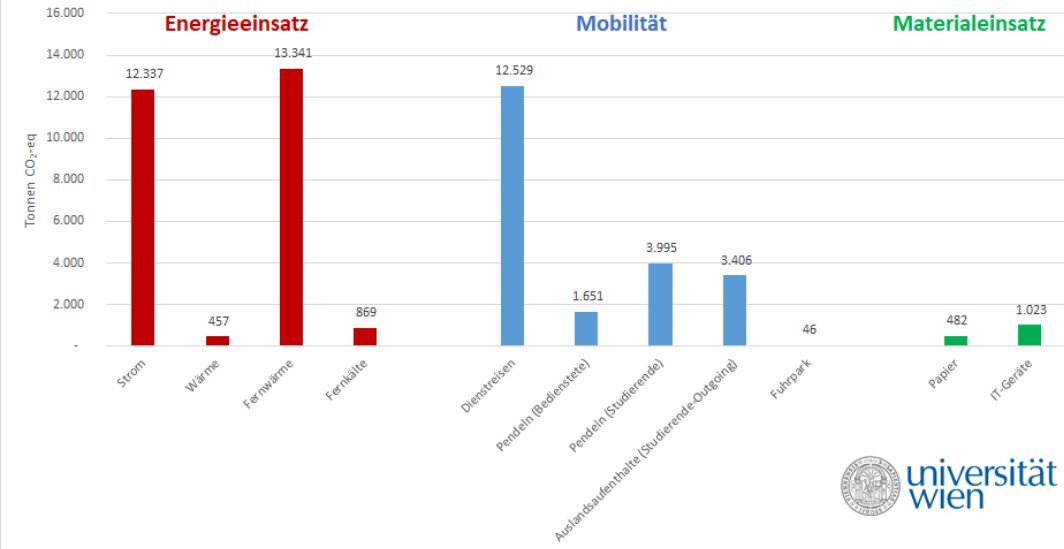
Gesamtemissionen BOKU 2019: 21.964 t CO₂-eq



Gesamtemissionen Alpen Adria Univ. 2015: 8.261 t CO₂-eq



Gesamtemissionen Universität Wien 2019: 50.136 t CO₂-eq



Why mobility?

- ! Mobility is a core need for our personal and professional development
 - ! Mobility is highly relevant for our careers
 - ! BUT has a high impact on climate change
-
- Transport accounts for more than a third of CO₂ emissions from end-use sectors within EU.
 - Mobility has an important share on the CO₂ emissions of Universities
 - Transportation systems on land, water & air still depend on the combustion of fossil fuels

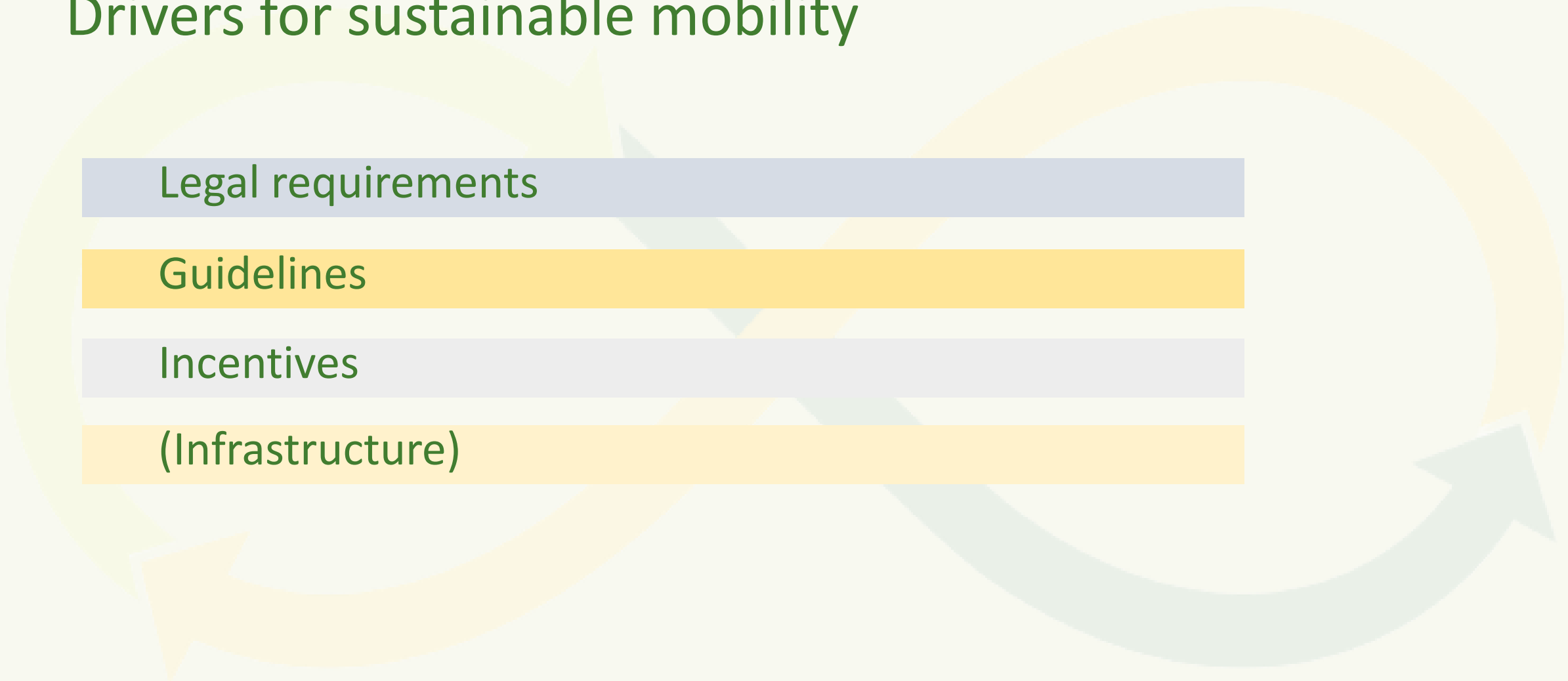
Drivers for sustainable mobility

Legal requirements

Guidelines

Incentives

(Infrastructure)



fostering sustainable mobility

Legal requirements: directive for public institutions in Austria
-> take sustainable issues into account, reduce negative impact of travels, foster public transportation

Internal guidelines for orientation/binding specifications, e.g.

- Individual car transport needs justification & permission
- Flights need permission, ban short-distance flights (<750 km)
- Take the train when travel distance < 6 hours
- Preferation of train travel when distance < 11 hours
- foster public transportation (AT) - lump sum for travel expenses reporting (car max. 52 €, public transportation max. 80 €)

fostering sustainable mobility

Incentives:

- shift from individual to public transportation
- more healthy forms of commuting
- Home office regulation for staff
- support annual tickets for public transportation
- > Infrastructure for bikes vs. cars
- > Services for bikes vs. cars
- > additional criteria for travel expenses reporting: €, time, distance
- CO₂, “quality time”, space/comfort, communication...

The main objectives of the alliance are to exchange good and best practice-experiences and to start joint activities in the fields of

- research,
- education,
- operations,
- society/knowledge transfer
- identity.

<https://nachhaltigeuniversitaeten.at/>



Working groups, e.g.:

CO₂ neutral Universities tackles the issue of carbon intensity. Starting from a project dealing with „Climate Friendly Climate Research“ the working group developed a standard for CO₂ accounting of Universities.

Sustainable Mobility: research driven concept to achieve sustainable mobility. The aim is to collect and spread good practice examples.

Example of an artistic project

<https://www.openyoureyestour.com/>

#OpenYourEyesTour

Home Programme Cast & Creative Team Texts Environmental Sustainability English

Dublin – London – Paris – Salzburg

The Royal Irish Academy of Music, Guildhall School of Music & Drama, Conservatoire de Paris
and the University Mozarteum Salzburg

Distinguished pianist Iain Burnside has devised a performance piece to connect performers and audience to the profound changes happening in our world.

Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Green skills and knowledge – the EU level ambition

27.6.2022 EN Official Journal of the European Union C 243/1

I

(Resolutions, recommendations and opinions)

RECOMMENDATIONS

COUNCIL

COUNCIL RECOMMENDATION

of 16 June 2022

on learning for the green transition and sustainable development

(2022/C 243/01)

(Text with EEA relevance)

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Articles 165 and 166 thereof,

Having regard to the proposal from the European Commission,

Whereas:

1. Across the Union, while many Member States have made good progress in the implementation of policies and programmes of learning to support the green transition and to promote learning for sustainable development, there is nonetheless a need to continue and step up efforts in that regard. Policy and practice for this kind of learning should be further stimulated and supported. It is necessary to recognise the need for interconnected learning across the environmental, economic and social pillars of sustainable development, while placing a specific focus on the environmental pillar.
2. The European Green Deal ⁽¹⁾, the EU Biodiversity Strategy for 2030 ⁽²⁾, the United Nations Educational, Scientific and Cultural Organization (UNESCO) strategy Education for Sustainable Development for 2030 and the related United Nations Economic Commission for Europe (UNECE) work ⁽³⁾ highlight the key role of schools, higher education and other education and training institutions in engaging with learners, parents, educators ⁽⁴⁾ and the wider community on the changes needed for a successful, just and inclusive green transition. In its conclusions on 'Biodiversity – the need for urgent action' ⁽⁵⁾, the Council stressed that investing in education, among other areas, is key in gathering the best data and finding the best solutions in this regard. The EU Youth Strategy identifies a sustainable green Europe as a goal and calls for all young people to be environmentally active and educated.

⁽¹⁾ COM(2019) 640 final.

⁽²⁾ COM(2020) 380 final.

⁽³⁾ Including the new framework for the implementation of the UNECE Strategy for Education for Sustainable Development from 2021 to 2030.

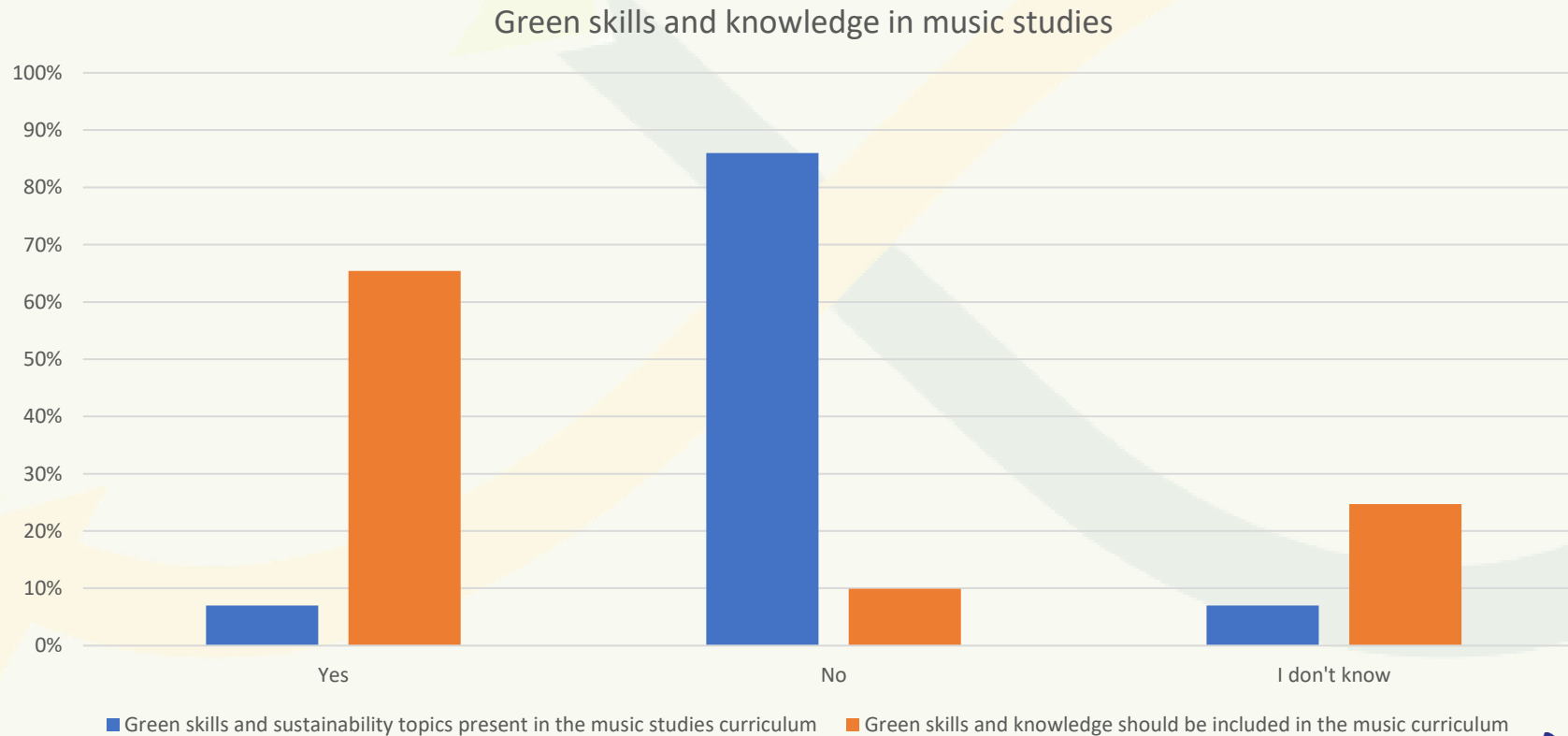
⁽⁴⁾ For the purposes of this Recommendation, the term 'educators' includes teachers, trainers, youth workers, teacher educators and all professionals in formal, non-formal and informal education.

⁽⁵⁾ 12210/20.

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Results of the AEC Goes Green Survey on Green and Eco-Sustainable Practices and Needs

Green skills and sustainability topics in music programmes



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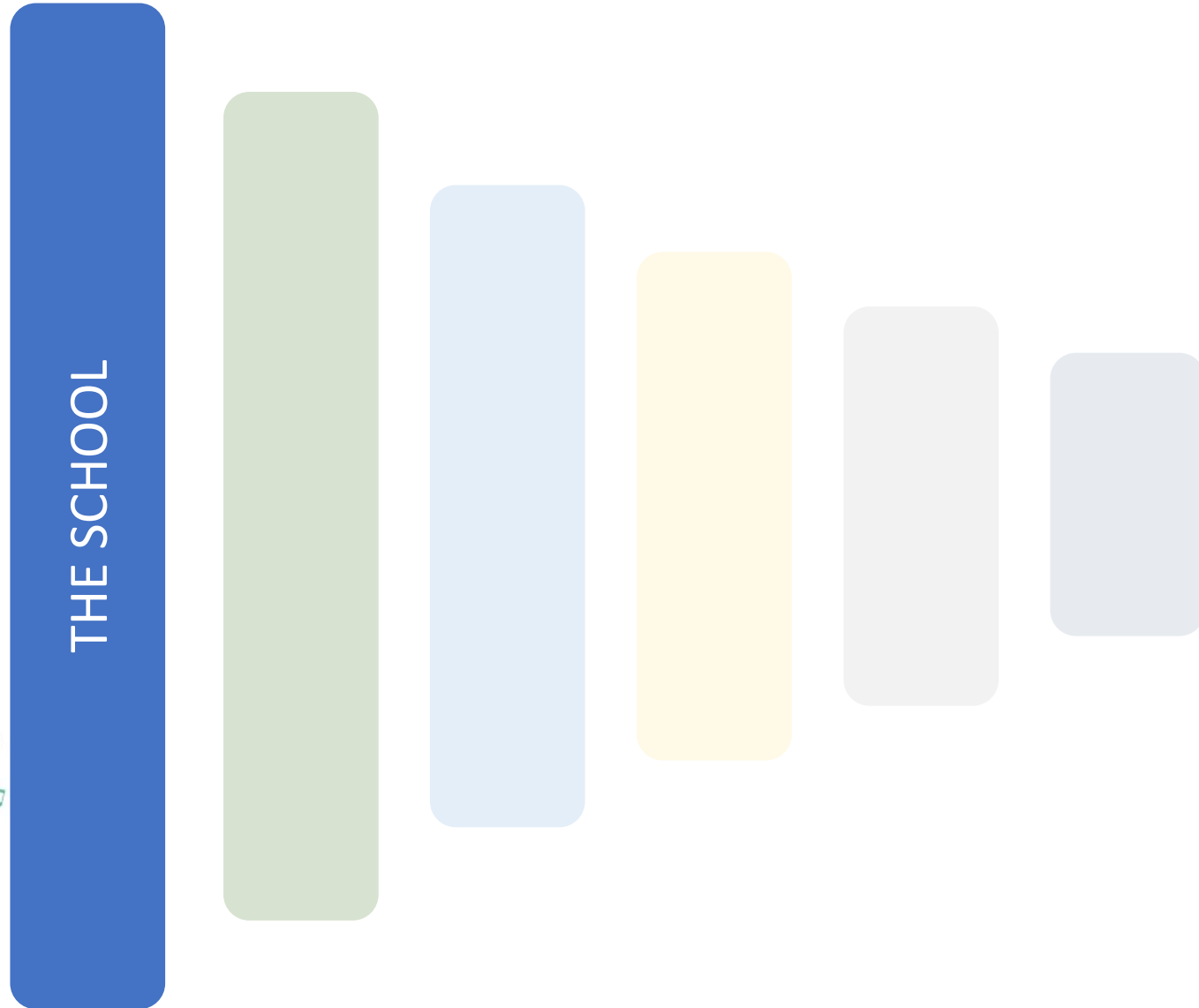


Green Music & ENTREPRENEURSHIP

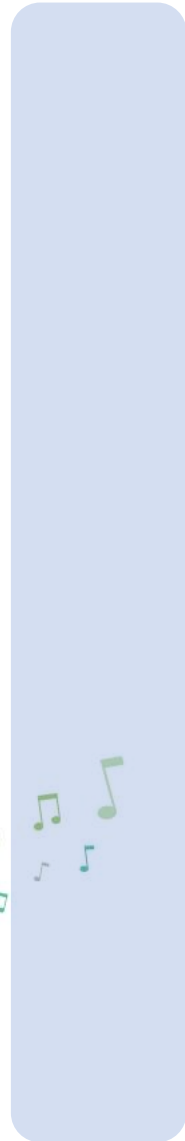
Esther Viñuela

10-11-2023

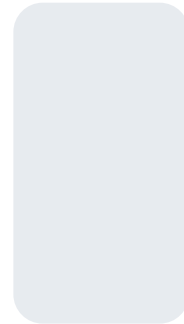
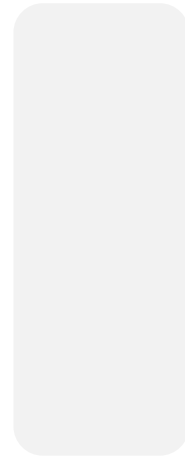
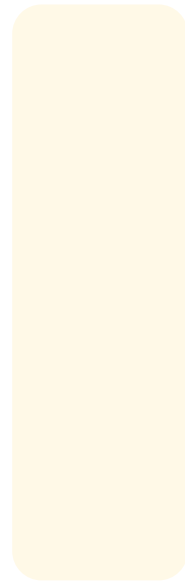
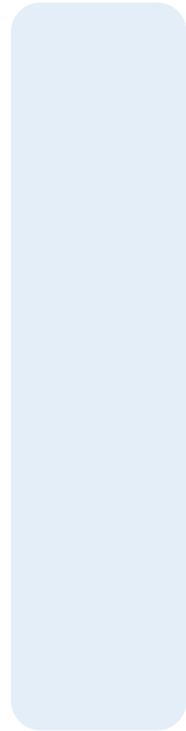
The process



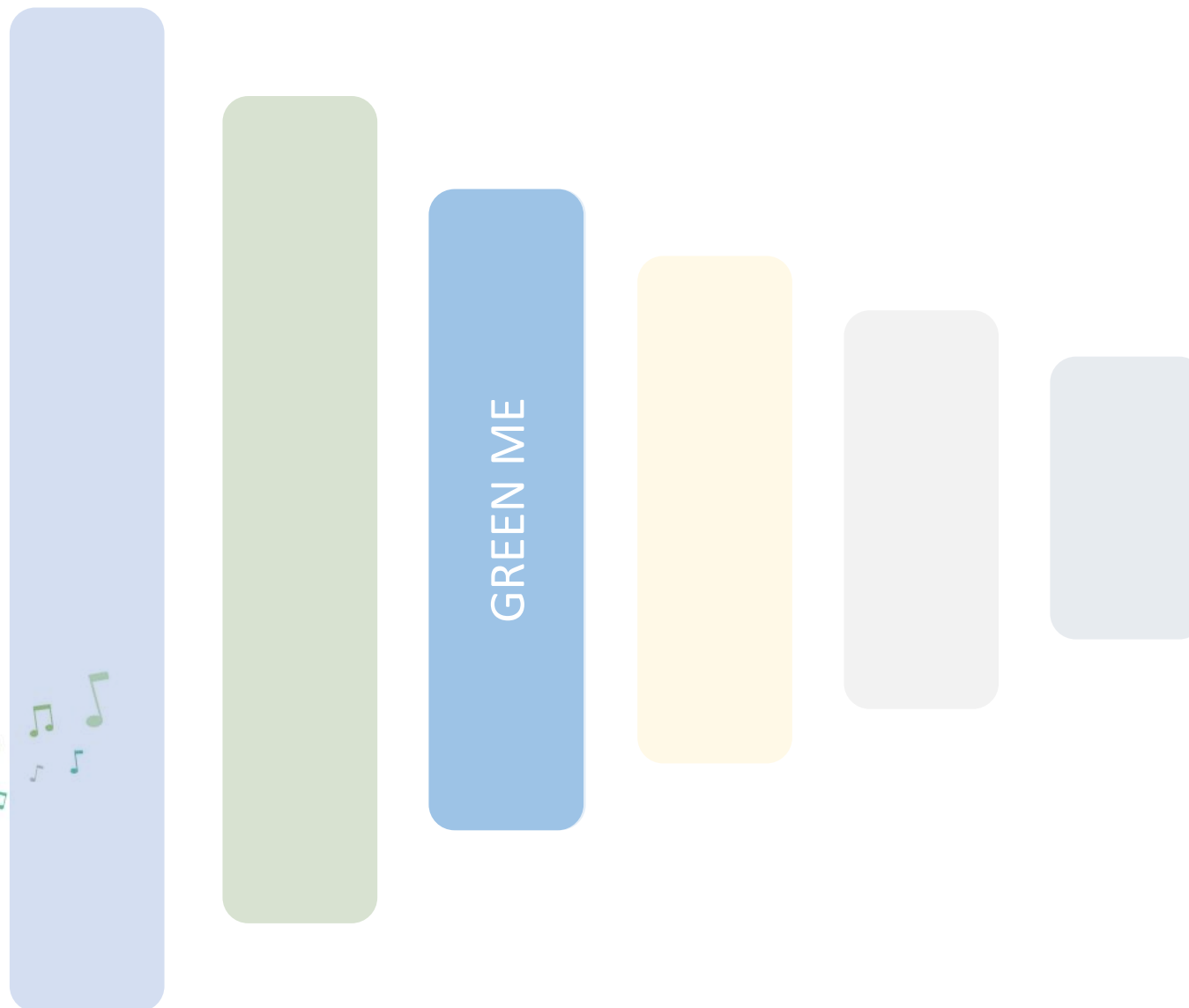
The process



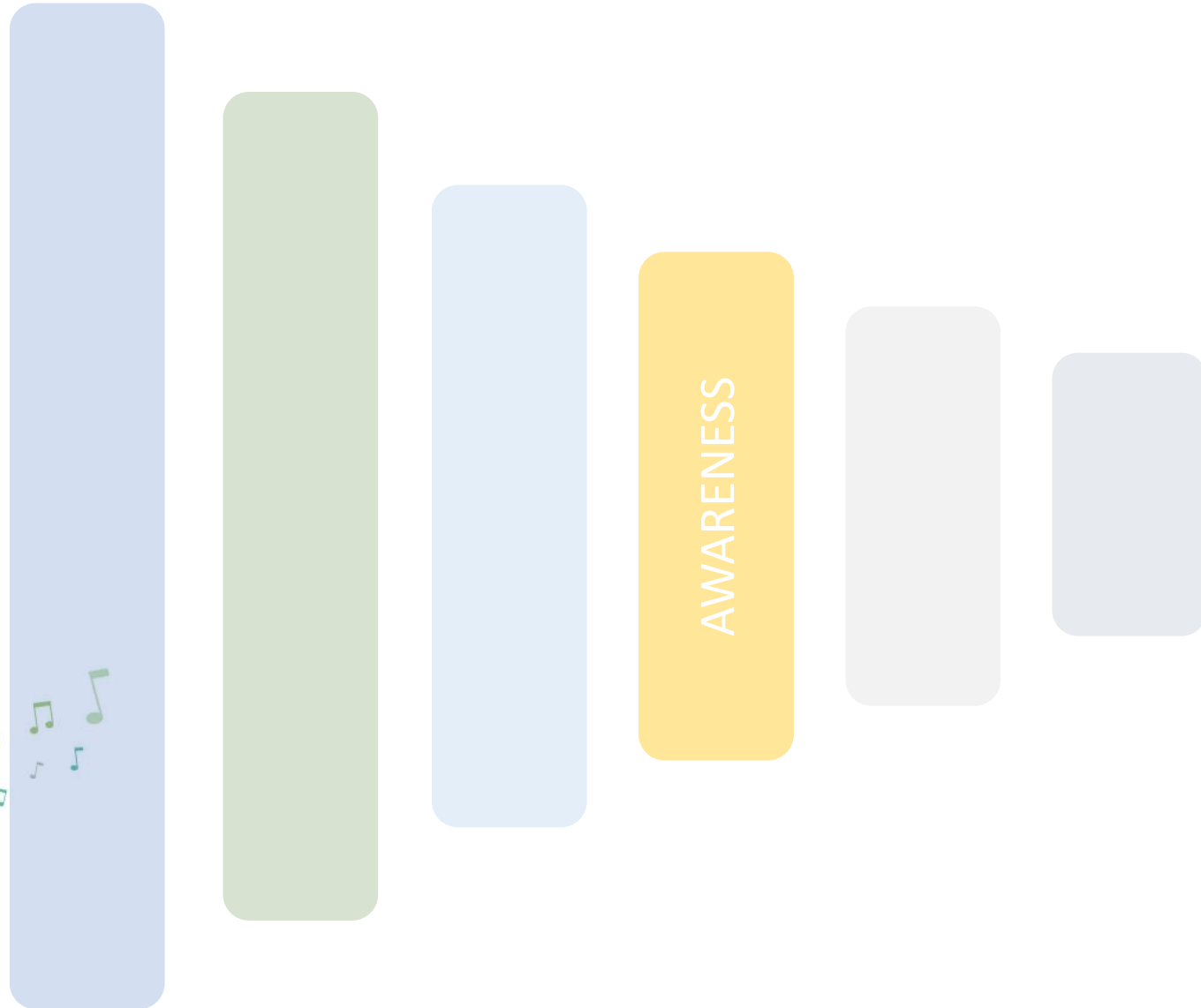
ENTREPRENEURSHIP PROGRAM



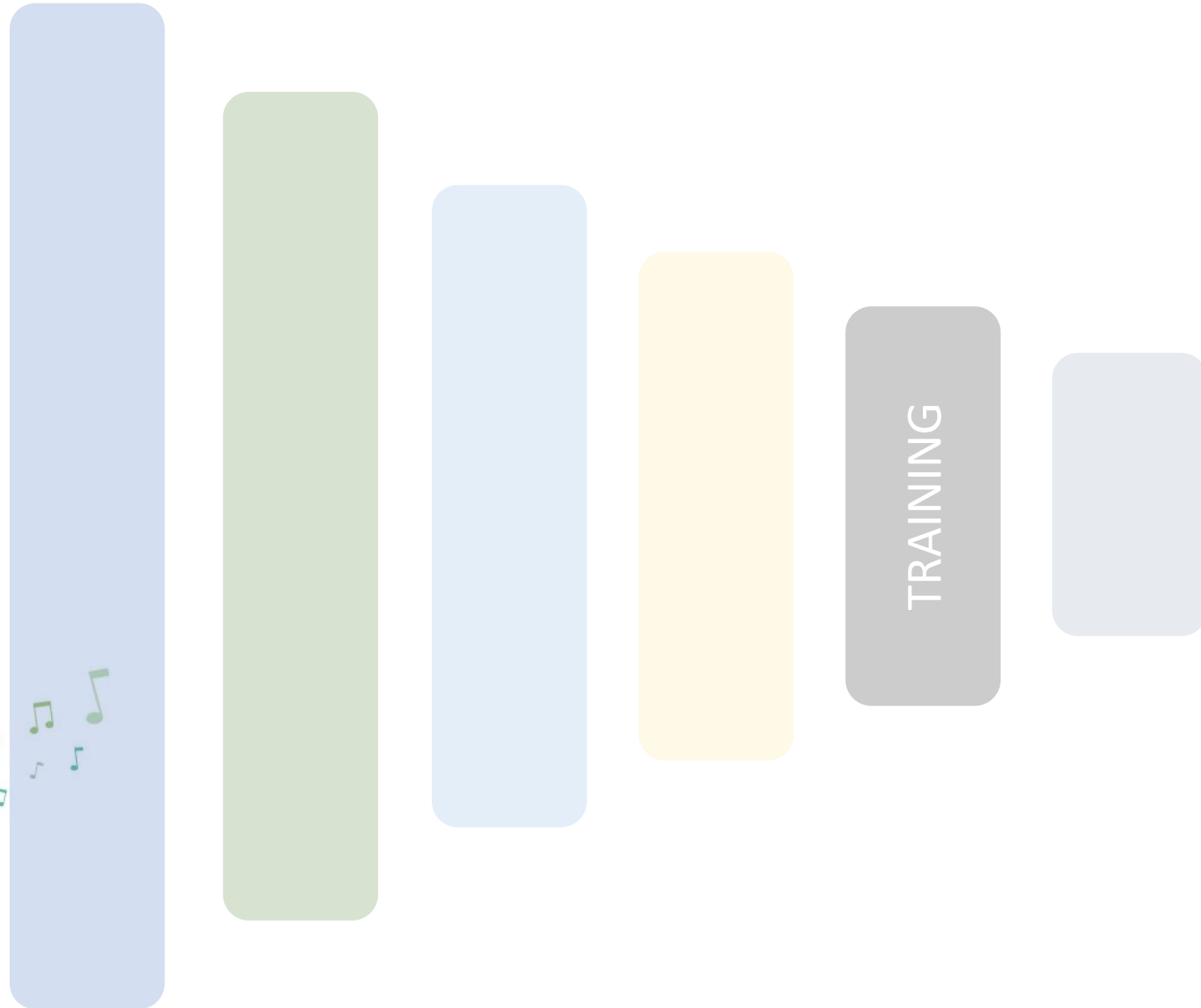
The process



The process



The process



The process



The School

The Reina Sofía School of Music was founded in 1991 by Paloma O'Shea.

Today it is considered one of the best schools in the world for young talents who wish to dedicate themselves professionally to music.

Carbon footprint year 21/22:
297 t eq CO2 (scope 1, 2, 3)

BRING MUSIC CLOSER TO SOCIETY

+300
concerts

+20K
espectadores

SUPPORT YOUNG MUSICIANS IN THEIR ARTISTIC AND PERSONAL DEVELOPMENT

150
students

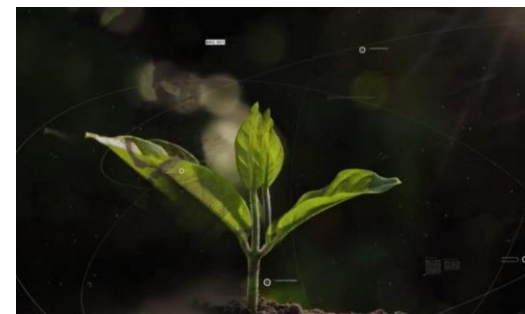
+30
nationalities



The Entrepreneurship and Social Innovation Program



THE SOUND OF RECYCLING
Interdisciplinary show for environmental awareness



DRYAD PROJECT
Music manifesto for nature



LISTEN TO THE EARTH
Video pieces to raise awareness about climate change



CLOSE MUSIC
Concert tour in depopulated areas

Green Music & Entrepreneurship

GreenME is the environmental awareness programme of the Escuela Superior de Música Reina Sofía and aims to promote initiatives that develop synergies in two fundamental fields for the institution: music and environmental commitment.

94,5/100
points

Nº1 (300
projects)

55.000€





<https://www.youtube.com/watch?v=2rEgGgEf2zs&t=1s>



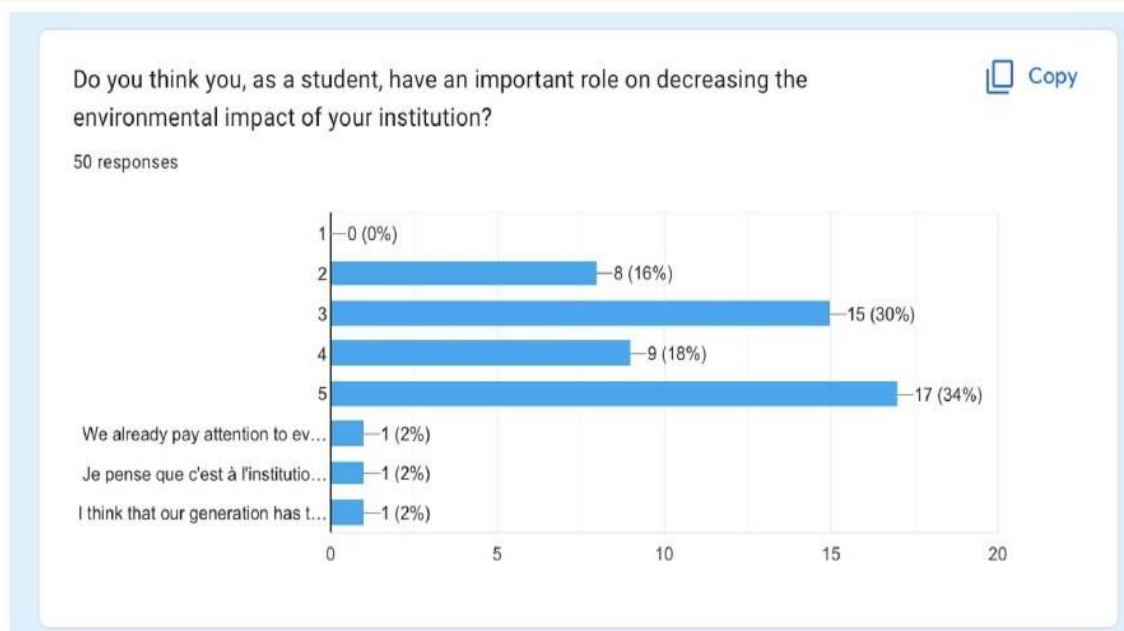




ACTION



Results of the AEC Goes Green Student Survey on environmental awareness and practices



- We already take care of everything we can. The institution has to do the same.
- I think it is up to the institution itself to take the necessary (and possible) steps to reduce its environmental impact. As students, we don't have much power to really change/act within the institution.
- We, as students, can't do that much compared to adults due to economic possibilities.

9. DO YOU HAVE ANY IDEAS/SUGGESTIONS/THOUGHTS ON WHAT YOUR INSTITUTION COULD DO TO IMPROVE ITS ENVIRONMENTAL IMPACT?

- Different bins to be able to separate waste
- Reduce use of heating system
- Prefer energy from eco companies / renewable sources
- Improve the insulation of the building
- Reusable cups/mugs / encourage students to have their bottle
- Reduce use of printer (both for lessons and for administration)
- Use recycled paper/toilet paper
- Develop the bike system (more parking...)
- Take care of food and plastic waste at the cafeteria
- Give remaining food to students instead of throwing it away
- More local/bio/plant based meals, less meat/fish in the cafeteria

- Promote green mobility
- Reduce the number of emails
- Create a students garden
- Switch off the fountain sometimes
- Posters with eco information around the building
- Encourage teachers to not use the car to commute to the conservatory
- Room for exchanging second hand clothes/other objects
- Workshops and conferences
- Turn off the lights of the building during the night

- Give students the chance to communicate their ideas!!

TOWARDS THE GREEN TRANSITION IN HIGHER MUSIC EDUCATION

Panel discussion on green practices

Porter Ellerman

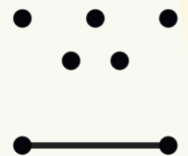
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Master project: **Percussion Meets Environmentalism**

A method of performance for environmental awareness

Ann Southam: *Natural Resources* (1981)

Live performance



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Findings

- 2, 3, 4 or more performers
- \geq One performer places objects
 - More active engagement
- Instrumentation is variable
- Number of sounds can change
- Promotes Listening > Performance

The game can be played by three people (or only two people who make their own changes) or more than four players.

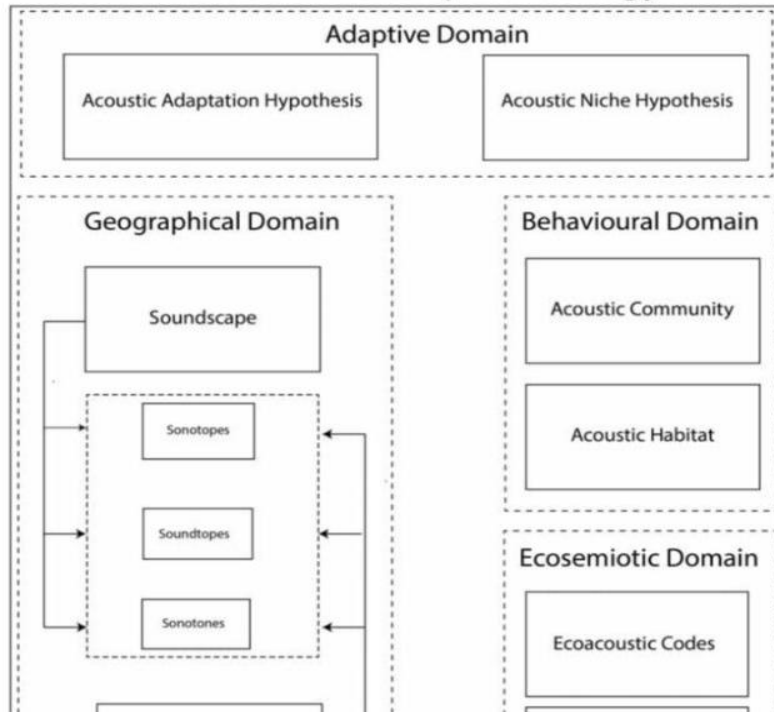
the sound of wood. The procedure could also include, for example, the sound of small cardboard boxes, or the sound of metal jar or bottle tops, or the sound of tin cans.

What Are Ecoacoustics?

Ecoacoustics -Use of sound as a subject/ecological research tool

Musical Ecoacoustics - taking environmental systems and turning them into musical systems and forms, as a means of exploration and learning, instead of strictly scientific exploration. (Burtner, 2004, "Ecoacoustics")

Ecoacoustics epistemology



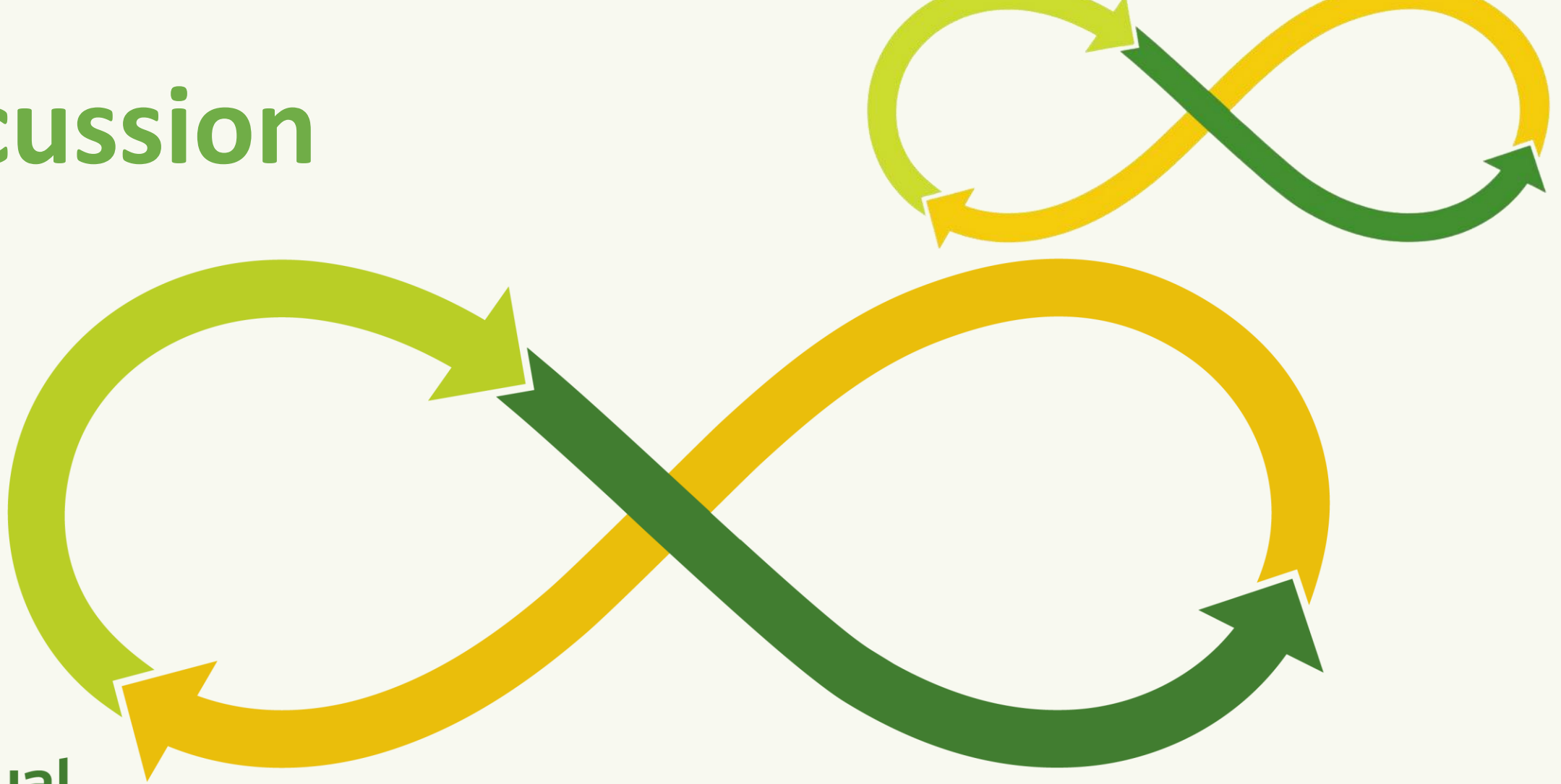
Enhance and reconnect the existing connections humans have had with our environments, through reattuning to the sounds of our surroundings. (Bianchi, Manzo, Gilmurray, 2016, p.28)

Personal Remarks

- **Listening** can be promoted more so than environmentalism
 - Cooperation, understanding
 - Activism stems from active listening
- For musicians
 - Understand the message you wish to share
 - Also consider the audience's message to you and others
- Create musical opportunity for local communities/
environments
- Percussion can promote active listening practice to our
surroundings
 - empathy, listening --> conversation on change -->
activism



Discussion



**AEC annual
congress and
general assembly
2023**

Enhancing quality through
sustainable connections

AEC Goes Green next steps



- Report on the AEC GG Survey on green and eco-sustainable needs and practices & examples of good practices
- Green Music compendium
- Guidelines and recommendations for the green transition in HME

**AEC annual
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2023**

GREEN MUSIC

3

Did you know?

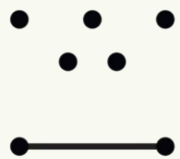
Every year 12 million hectares of trees are chopped to grow crops and livestock, and to produce materials such as paper, destroying important habitats of virtually endangered species. Many are calling for people to adopt a plant-based diet to combat this tendency.

Fazıl Say:
Sonata for Violin and Piano No. 2, 'Mount İda' (Kaz Dağları), Op. 82 (2015) & 'Wounded Bird'
Performed by Freedom Ertuğrul (violin) and Fazıl Say (piano)

In the composer's words: "I, along with the people of Turkey, have been very much affected by the massive fires that happened at Mount İda (in 2019, gold mining activities led to widespread deforestation). The work's main theme is inspired by this catastrophic incident."

How you already save all 12 Green Music points? →

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2023

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*Thank you for your
kind attention*

9-10-11 November, 2023

Royal Conservatoire - The Hague



AEC Anniversary