ARTEMIS
AEC Goes Green Working Group

RIAM
Royal Irish Academy of Music

Co-funded by the European Union

Green Citizen Artists

Integrating sustainability into music performance and education

AEC Goes Green Working Group

International Relations Coordinators Meeting 2024

Dublin, Ireland

Musicians as green citizen artists

Spotlight on good practices

Efforts to ↓ CO2 footprint

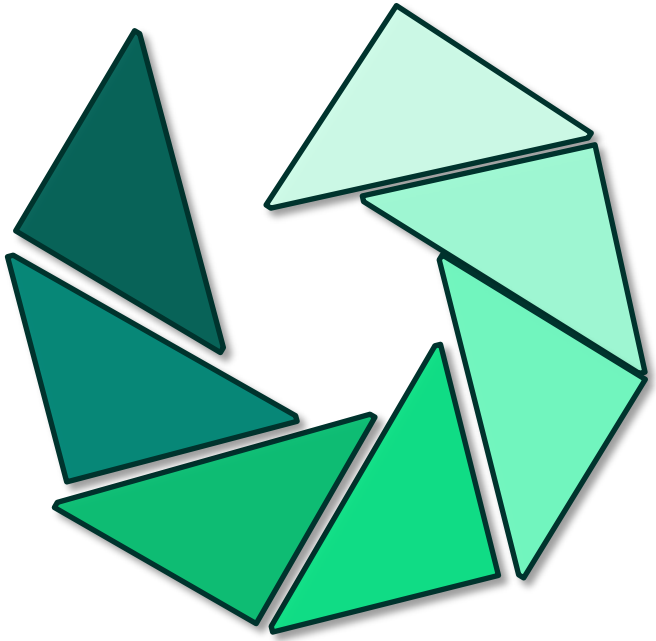
Green survey report

Green recommendations

Mobilities and work-related travels

Musicians as green citizen artists

Green survey report



Green recommendations

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Mobilities and work-related travels

Musicians as citizen artists

Who are *citizen artists?*

Musicians as citizen artists driving the green transformation

https://carbontracer.uni-graz.at/

GREEN MUSIC

2

Did you know?

Global warming means more evaporation and more moisture in the atmosphere. Every 1 degree F rise in temperature can mean 4% more water vapor in the air. Humans have eliminated many natural features that would otherwise slow rainwater's path across lands.

- Environmental Defense Fun

Elena Kats-Chernin:
Symphonia Eluvium (Symphony of the Floods) for chorus and orchestra (2011)
Documentary on the piece filmed by the ABC Network Australia

This piece is a reflection of the devastating floods in Queensland (2011). The disaster touched over 200,000 people, causing deaths and thousands of evacuations. The composer captures the "emotional turbulence of the flood", expressing optimism for reconstruction.

Co-funded by the European Union

Have you already seen all 15 Green Music posters? →

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GREEN MUSIC

5

Did you know?

Over the last 800,000 years, the concentration of CO_2 in the atmosphere has fluctuated maintaining acceptable levels for the planet. However, in the last 170 years, the increase has skyrocketed, currently reaching an unsustainable extent due to greenhouse gases emissions.

Daniel Crawford:
Planetary Bands, Warming World (2015)
Performed by Julian Maddox, Jason Shu, Alastair Witherspoon and Nygel Witherspoon

Using surface temperature analysis from NASA, the composers link each instrument to a specific part of the Northern Hemisphere: the pitch of each note is tuned to the average annual temperature in each region, following the principle of "low-cold" and "high-warm".

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Have you already seen all 15 Green Music posters? →

#AECgoesgreen

https://aec-music.eu/project/empowering-artists-as-makers-in-society/meet-the-aec-goes-green-working-group/

AEC - European Association of Conservatoires

SURVEY REPORT

Data Collection and Analysis of Environmentally Sustainable Practices and Needs in Higher Music Education Institutions

Brand new!

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Green recommendations

WHAT? Address societal challenge of climate change & environmental sustainability by offering recommendations with the implications on the:

- ➔ Reduction of CO2-Emissions
- ➔ Reduction of negative impacts on the environment (energy use, waste generation ...)

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Green recommendations

WHY?

- ➔ To address wishes from the sector for some concrete, tailor-made recommendations specifically for HMEIs
- ➔ To inspire change
- ➔ To support mutual learning activities on greening

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Green recommendations

HOW? By offering pathways to:

- **Embedding sustainability in HMEIs: Green institutional management and operations**

➔ Sustainability policy
➔ Sustainable daily functioning
➔ Green travels and mobilities
➔ Green event organization

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Green recommendations

HOW? By offering pathways to:

· **Inspiring change: Communication, promotion and raising awareness**

➔ Education and students: Learning & Teaching for green transition

➔ Communication and raising awareness: research, projects, performances

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Green recommendations

WE WILL OFFER:

- Recommendations for different areas
- *Advice to newcomers to green transition:*

Recommendations with step-by-step approach

- Challenges for Change
- *Spotlight on good practices*
- Examples of green AEC actions

Mobilities and work-related travel

Objectives: Reduce the CO2 impact by regulating business travels and take steps towards a more sustainable travel

Recommendation:
Design and implement a Travel policy

Financial incentives

➔ Partial to full monetary compensations of direct costs of sustainable travel

➔ Partial to full monetary compensations of complementary products and services that improve convenience of sustainable travel

➔ Discounts, upfront top-ups, or reimbursements of products and services such as travel cards or extended accommodation

Spotlight on good practices

- Mozarteum University installed a travel policy which fosters the use of public transportation and reduce short distance flights (< 750 km, < 6 hrs travel time by train). Legal requirements for public authorities pushed that process!
- In 2019, 100 persons from Universität der Künste Berlin signed a self-commitment not to fly distances less than 1000 km or less than 12 hours travel time.

Commuting

Objectives: Reduce the CO2 impact while, commuting to the University/Conservatoire (within one city)

Recommendations: Encourage a more sustainable mode of transport, by

- ➔ Creating suitable conditions e.g. creating bicycle parking racks around the institution,
- ➔ Organising common communing for staff and students
- ➔ Providing incentives for public transport usage.

Spotlight on good practices

Academy of Performing Arts (Prague, Czech Republic):

- ➔ A free bicycle-sharing system for students & staff
- ➔ Promoting walking over other means of transportation due to the specific location
- ➔ Reconstruction work and investments in facilities to support lifestyle changes of students & staff

Commuting

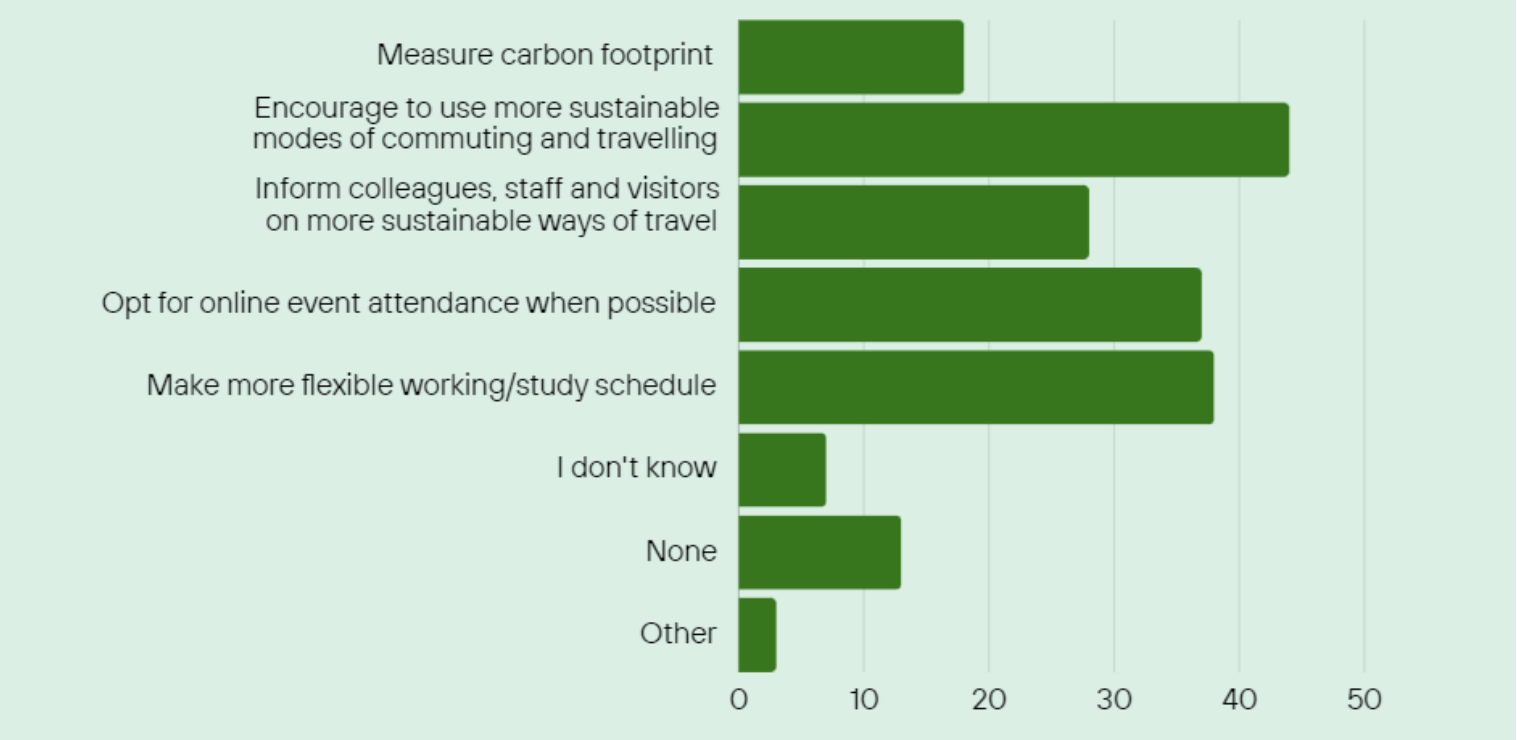
Objectives: Reduce travel/commuting to the institution and avoid unnecessary travel, thus reducing the CO2 emissions

Recommendations:

➔ Set up more flexible working hours and study schedule

➔ Provide option for home office for administrative staff

Commuting


Measure carbon footprint
Encourage to use more sustainable modes of commuting and travelling
Inform colleagues, staff and visitors on more sustainable ways of travel
Opt for online event attendance when possible
Make more flexible working/study schedule
I don't know
None
Other
0
10
20
30
40
50

Spotlight on good practices

Guildhall School of Music & Drama (London, UK) is promoting alternatives to travel whenever possible:

- ➔ Working from home and flexible working hours to allow peak travel times to be avoided
- ➔ IT support in distance access to network drives and resources
- ➔ Open school and facilities throughout the year
- ➔ Online auditions

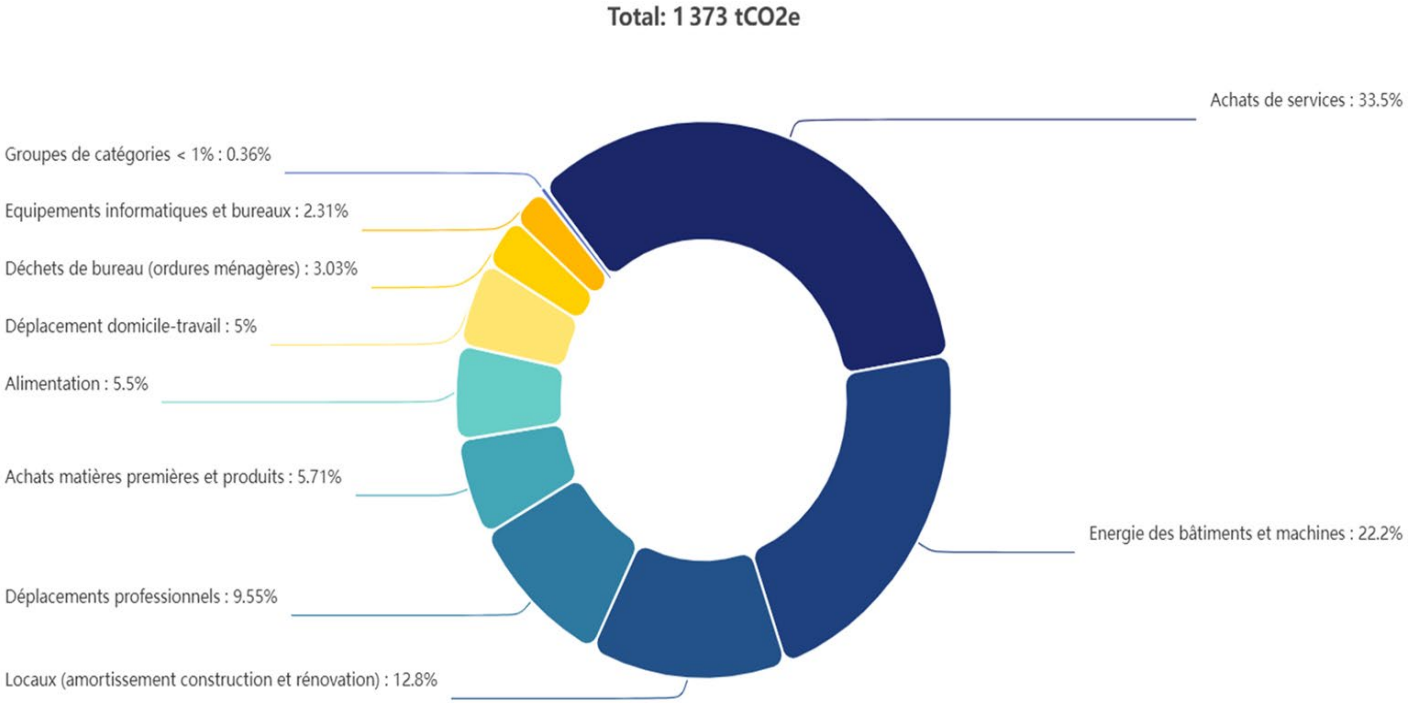
Carbon emission calculators

Objectives: Measure the Carbon emissions which is essential for setting up a Travel policy

Recommendations: Implement an Carbon Calculator for calculating the travel emissions of your HMEIs work-related travel

Spotlight on good practices

CNSMD (Lyon) participated in a state-sponsored program to calculate its overall CO2 footprint, alongside similar-sized institutions. This enabled valuable data sharing and benchmarking for emission reduction measures.



AEC’s efforts to reduce the carbon footprint

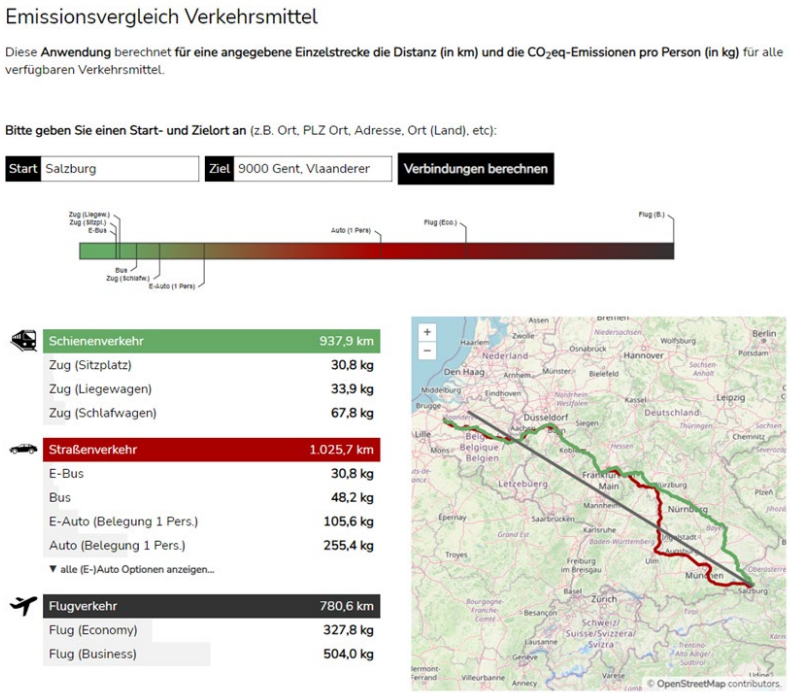
AEC Carbon calculator

SHIFT Carbon Calculator Fact Sheet

Mozarteum University's efforts to reduce carbon footprint

- **GHG balancing** -> to know where to start
- Make use of **external advice** e.g. survey on mobility behaviour, energy check -> you cannot have expertise for everything!
- Develop a **reduction path for climate neutrality target** -> how can we manage the process? How to reach the target?
- **Start with "small" steps**: e.g. reflect costs for parking spaces, foster public transportation tickets for a more sustainable and also fair commuting practice

Suggested measure: take CO2 as a decision bases



Options	Distance	Means of transport	CO_2 Emissions	Duration	Costs
A	Salzburg Hbf – Gent St. Pieters	Train, seat	30,8 kg $CO_{2\text{-eq}}$	11 h	€ 98
B	Gent St. Pieters – Brussels-Zaventem	Train	1,7 kg $CO_{2\text{-eq}}$	54 min – 1 h 23 min	€ 18,8
B	BRU – FRAU Frankfurt - Salzburg	Plane, 1 stopover	258,5 kg CO2-eq 258,5 kg CO2-eq **517 kg CO2-eq**	1 h 1 h **2 h 45 min**	€ 191
C	Brüssel (BRU) – Salzburg (SZG) (via Frankfurt)	Plane, direct	328,5 kg $CO_{2\text{-eq}}$		

https://carbontracer.uni-graz.at/

Let’s think together!
Have your say!

- Sustainability challenge
- *What if…?* Short real-life scenarios