

Reuse Report

FRANKFURTER BUCHMESSE 2024

FRANKFURT a. M.

The Bigger Picture

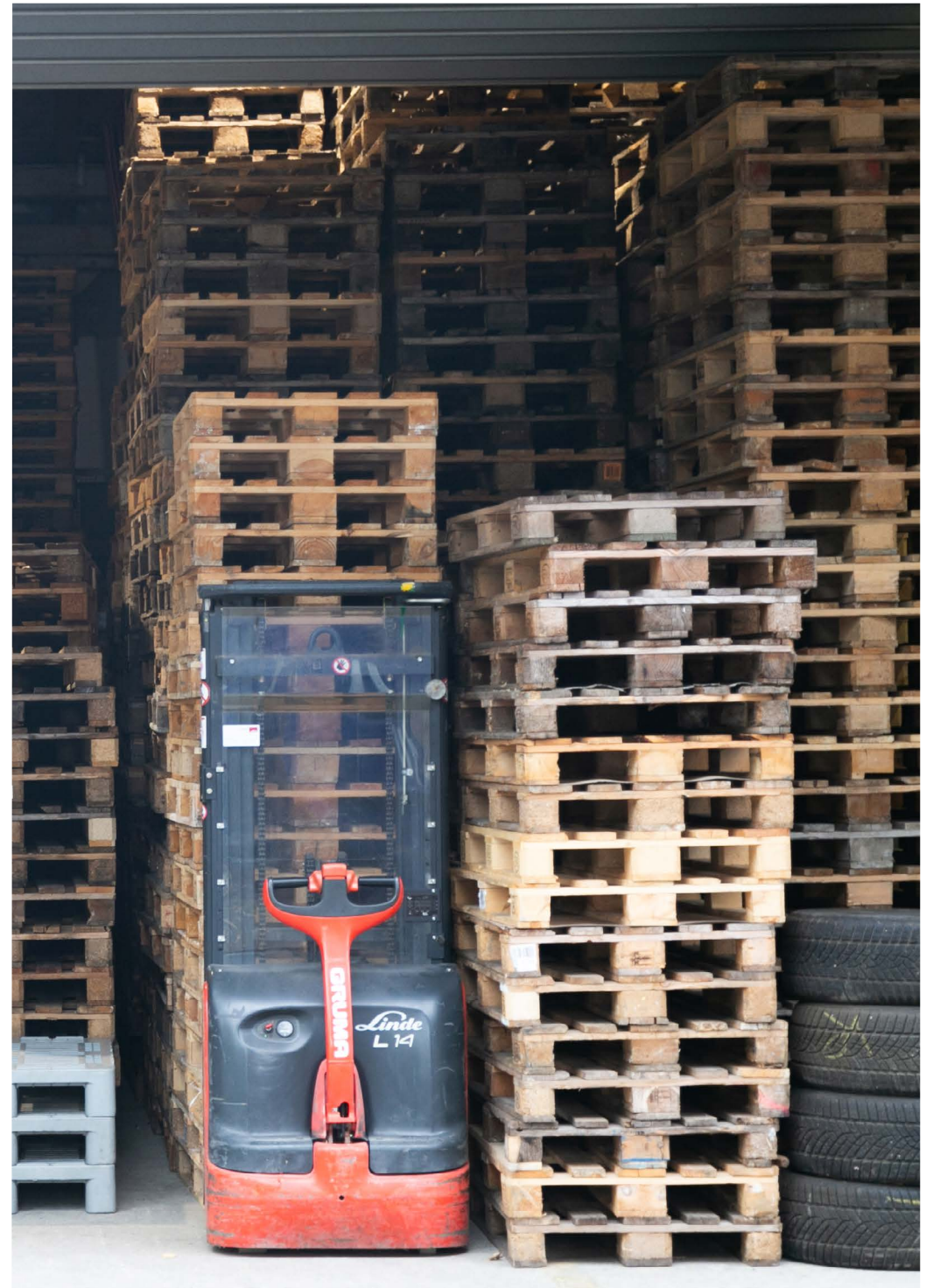
The importance of placing your achievements in a bigger context.

We hope that you celebrate your efforts in making your event more sustainable as much as we do. However, the data provided in this report should not be used for sustainability reporting or marketing purposes solely on their own without placing them in the context of your event's or your organisation's remaining impacts. Excluding relevant impacts data would count as greenwashing (giving a false impression of the environmental impact), which has been banned by the European Union and will be soon complemented by the Green Claims Directive.

Through the purchase of our service, you have applied a financial control on our operation. If you agree that a financial control approach is the correct system boundary for consolidating greenhouse gas emissions of your organisation, then you own the right to account for 100% of the GHG emissions - both emitted and avoided through the operation - which we are providing you in this report.

Despite contributing to the latest requirements for circular event production, you have also taken action towards the following SDGs:

- ▶ 11 Sustainable Cities and Communities
- ▶ 12 Responsible Consumption and Production
- ▶ 13 Climate Action



PART 1

Ecological Impact

The first part of this report contains the key environmental performance indicators of our collaboration. In addition to the qualitative and quantitative information, we help you to integrate these into your sustainability reports by providing the respective ESRS and GRI codes.

EUROPEAN SUSTAINABILITY REPORTING STANDARD (ESRS)

The ESRS are EU-wide standards for the Corporate Sustainability Reporting Directive (CSRD). They set the structure and disclosure requirements that companies in scope are required to report on.

GLOBAL REPORTING INITIATIVE (GRI)

The GRI provides guidelines for the preparation of sustainability reports in the environmental, economic and social dimensions for companies, NGOs and governments.

PART 2

Social Impact

In the second part of the report we introduce you to the initiatives that have received your material donation. Since we are not able to measure social impact in numbers, we depict the people behind the projects, who have profited from our cooperation. We pass on their gratitude to you.

PEOPLE AND PROJECTS

We interview the people involved in the charitable projects about what they strive to achieve with their work, how they intend to reuse your residual materials and what projects your donation will help to accomplish.

THE POWER OF PICTURES

We provide photo's to prove the delivery of your materials to the projects, but we know a picture is worth a thousand words. We also capture the impact your donation has on the recipients through portraits, moments of fun and grateful expressions.

If you are interested in using the pictures for marketing purposes, please get in touch.

Ecological Impact

How does the environment benefit from our cooperation?

Summary of Achievements

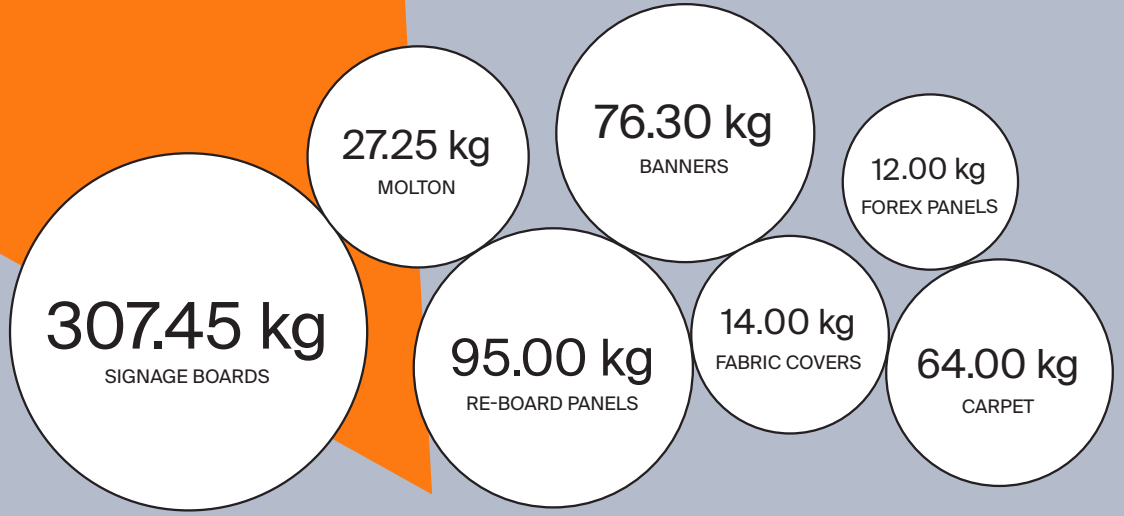
Materials were redistributed regionally in FRANKFURT

- Frankfurt University of Applied Science
- Kulturzentrum Waggonhalle e. V.
- Jugendkunstschule Offenbach
- Offenes Haus der Kulturen e. V.
- HfG Offenbach
- Werkstatt uah!
- Hausprojekt
- Hafen 2



8 initiatives

were supported with your material donation.



596.00 kg

material were diverted from disposal.

1,883.76 kg CO₂eq

avoided, which is equivalent to 10 single Economy flights between Zurich and London.

Environmental Dimension

Your positive impact on resource use and circular economy formulated for your sustainability reporting in accordance with the following standards:

EUROPEAN SUSTAINABILITY REPORTING STANDARD (ESRS)

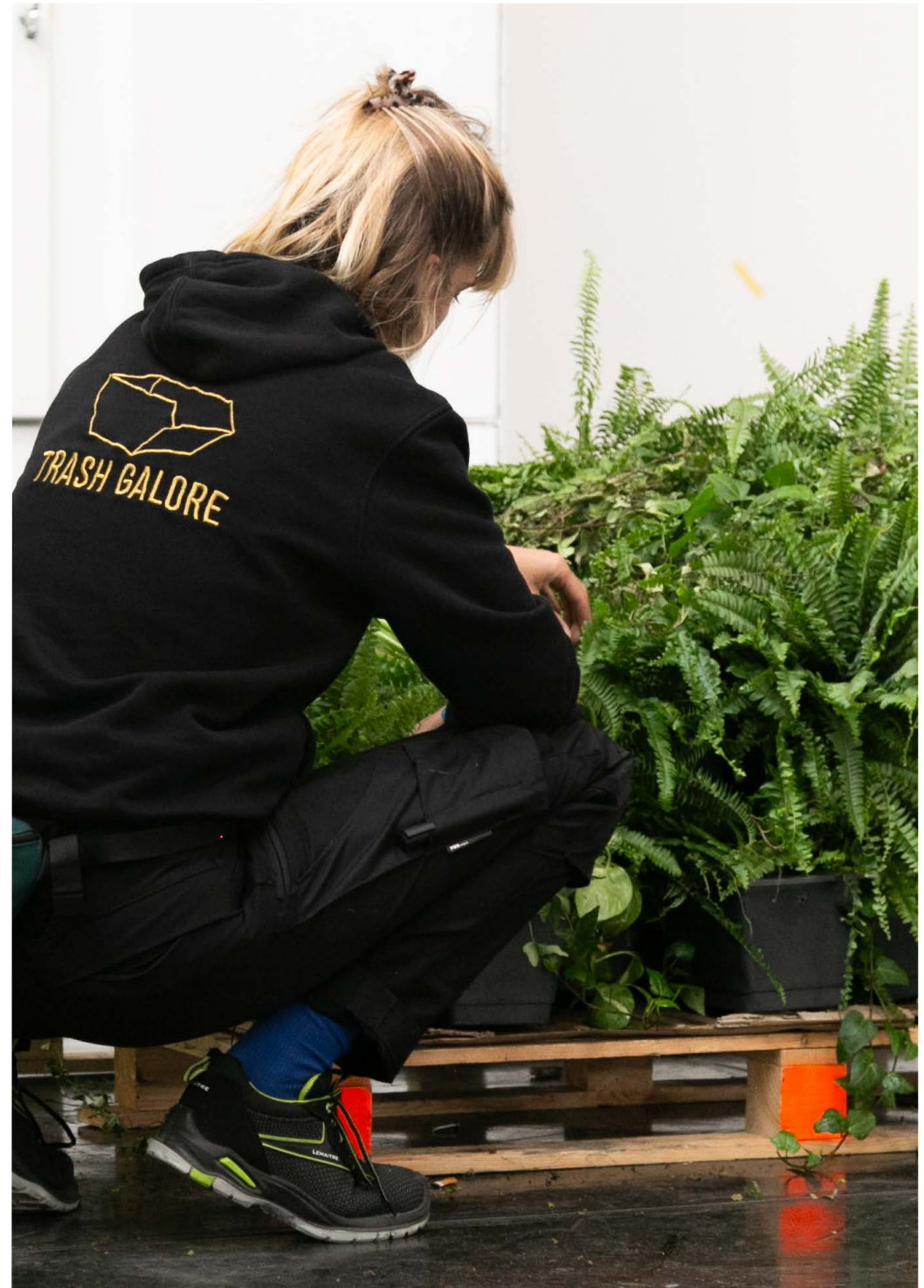
You have contributed to circular economy by hiring us to recirculate your residual materials for reuse. Congratulations, you have taken action in ESRS E1 Climate Change and ESRS E5 Resource Use and Circular Economy, and as a result:

- ▶ Waste was handled as a valuable resource and was managed to produce sustainable benefits both for the environment and for the society.
- ▶ Opportunity was taken to reduce material demand and avoid associated GHG emissions by substituting new materials with used ones.
- ▶ The risk of additional emissions from logistics was minimised by operating as locally as possible.

STANDARD OF THE GLOBAL REPORTING INITIATIVE (GRI)

You have prioritised waste prevention and recovery over waste treatment. With the help of TRASH GALORE you have diverted waste from disposal which we present to you according to GRI 306: Waste 2020, in terms of:

- ▶ Waste diversion according to total quantity and products.
- ▶ Waste diversion according to material categories.



Avoided and created CO₂eq emissions

ESRS E1-6-45-c, GRI 305-3-a

On the right side the number below is the kilograms of CO₂eq* emissions that were potentially avoided through further use of materials instead of their disposal, which have substituted new materials. Our calculation approach is explained in the Methodology provided in the appendix.

The numbers above show additional CO₂eq that were emitted through logistical redistribution of your residual materials as well as emissions created through our team travel to the commissioned location by trains running on green energy. These are your Scope 3 emissions according to GHG Protocol and the system boundaries set in ‚The Bigger Picture‘ on page 2.

*CO₂eq (carbon dioxide equivalent) is a metric measure that includes converted amounts of other greenhouse gases to the equivalent amount of carbon dioxide with the same global warming potential.

-1,883.76 kg

CO₂eq emissions potentially avoided through our cooperation

149.19 kg

CO₂eq emitted during material redistribution

0.20 kg

CO₂eq emitted by team TRASH GALORE mobility

Waste diversion from disposal in kilometers

ESRS E1-6-45-c, GRI 305-3-a

TRASH GALORE minimises the environmental impact of transportation by redistributing materials as locally as possible, so that logistical emissions are kept minimum for your Scope 3 reporting and the benefit of avoided emissions is not compromised.

Here we show you how far the destinations for material reuse are from your event location and the total distance we travelled to supply them all.

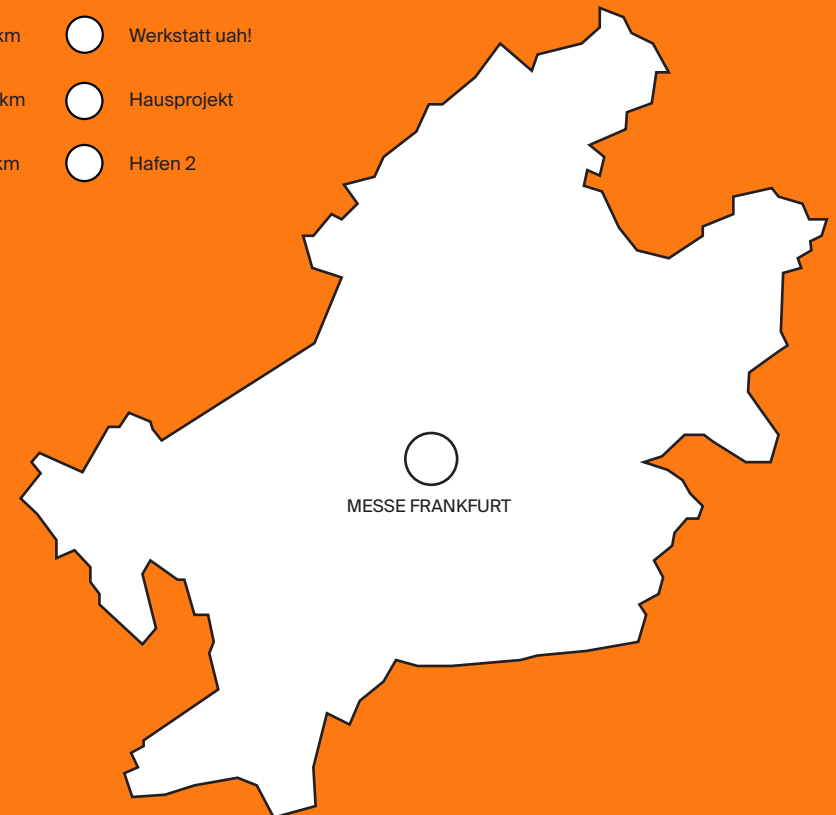
The total redistribution kilometers driven are the cumulative value of all supplied destinations in most optimal route and include the pick-up and return of our rental vehicle.

FRANKFURT

Total redistribution distance:
363.00 km

Distance from MESSE FRANKFURT to each initiative:

- 8.00 km  Frankfurt University of Applied Science
- 91.10 km  Kulturzentrum Waggonhalle e. V.
- 12.40 km  Jugendkunstschule Offenbach
- 3.10 km  Offenes Haus der Kulturen e. V.
- 12.20 km  HfG Offenbach
- 37.80 km  Werkstatt uah!
- 90.60 km  Hausprojekt
- 10.70 km  Hafen 2



Waste diversion according to total quantity and products

ESRS: E5-5-34-a-ii, E5-5-35, E5-5-37-b-iii*; GRI 306-4-c-iii.

Indication of the total weight (the number below) and partial weights (residual materials in terms of products) of non-hazardous waste diverted from disposal.

You contribute to circular economy by choosing to increase and optimise the lifespan of left over items from your event. Whether reused for a similar purpose as a whole or taken apart and reused as material parts for constructing something else, your items serve as resource input for other organisations in need.

*ESRS E5-5-37-b can only be reported if total amount of generated waste is known for disclosing in ESRS E5-5-37-a.



ECOLOGICAL IMPACT

Waste diversion according to material categories

ESRS: E5-5-34-a-ii, E5-5-35, E5-5-37-b-iii*; GRI 306-4-c-iii.

Disclosure of the partial weights of non-hazardous waste diverted from disposal in terms of material categories.

Waste recovery operation has ensured the longevity for your residual materials through reuse or repurposing further down the value chain. These materials help accomplish various intended projects, thereby replacing the need to purchase same or similar materials.

Pre-planned optimisation of material longevity through re-circulation of materials after first use is a great example of a circular business model.

402.45 kg

PAPER & CARDBOARD

166.30 kg

PLASTICS

27.25 kg

TEXTILES

*ESRS E5-5-37-b can only be reported if total amount of generated waste is known for disclosing in ESRS E5-5-37-a.

Policies related to resource use and circular economy

ESRS E5-1

Fantastic cooperation! You have identified, assessed and managed the downstream impact of your event. This means you recognised that residual materials qualify as fit for reuse and then took action to ensure their further use, thereby enabling implementation of Circular Economy ,R' Strategies.

Your policies to increase resource efficiency and decrease environmental impacts downstream your value chain have been also fulfilled though TRASH GALORE service, as it is designed to enable accomplishment of the following two Circular Strategies for its stakeholders:

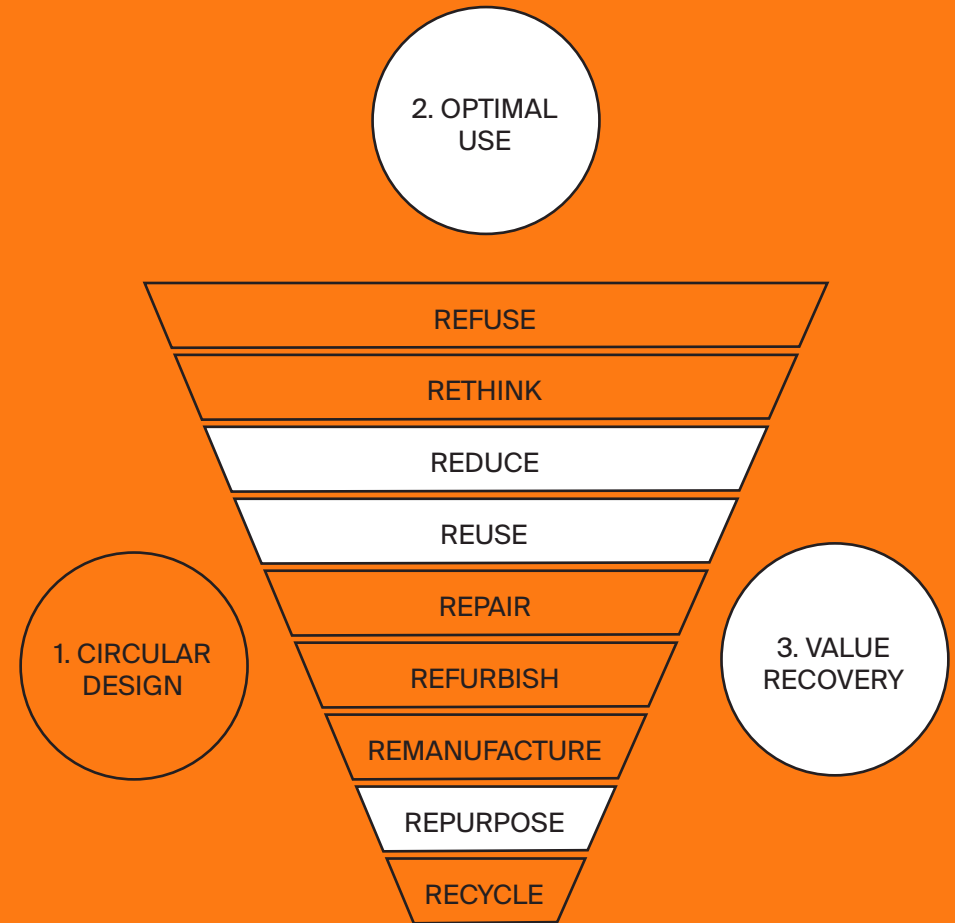
OPTIMAL CIRCULAR USE MODEL 2.A.

"Reuse, repair, refurbishing, repurposing and remanufacturing of end-of-life or redundant products, movable assets and their components that would otherwise be discarded"* is achieved, because TRASH GALORE made sure that your residual material donation went to where its further use is guaranteed.

CIRCULAR VALUE RECOVERY MODEL 3.A.

"Separate collection and reverse logistics of wastes as well as redundant products, parts and materials enabling circular value retention and recovery strategies"* is accomplished for your company by TRASH GALORE.

* As defined by the ,Categorisation System for the Circular Economy' ([Source](#))



Your accomplished Circular Economy Principles and Strategies are highlighted in white. Figure adapted from ,Business Model Categories mapped on the Value Hill' ([Source](#)).

Actions and resources for your sustainability reporting

ESRS E5-2

By using TRASH GALORE service, you have taken action to manage material impacts arising from waste generated in your event.

TRASH GALORE GUARANTEES:

- ▶ Just-in-time residual material collection after events which reduces waste generation.
- ▶ Immediate redistribution locally to where materials are needed.

This donation supports local communities who treat your left over material as valuable resource input.

Your residue materials, therefore, avoid premature disposal, go back into the use cycle to live up to their lifespan's full potential and replace a purchase of new materials, because TRASH GALORE makes sure to find recipients with an existing need for the material donation.



Social Impact

How does the society benefit from our cooperation?

Your Donation Makes a Difference



Frankfurt University of Applied Science

Model making by architecture students from residual materials



Kulturzentrum Waggonhalle e. V.

The Christmas market will be further expanded



Jugendkunstschule Offenbach

New craft materials for the vacation courses



Offenes Haus der Kulturen e. V.

Red carpet for the gala in November

Your Donation Makes a Difference



HfG Offenbach

The fabrics of the FBM will be used in the stage design of a new play



Werkstatt uah!

Material for screen prints and Christmas cards



Hausprojekt

Material for Garden projects on their own field



Hafen 2

Molton for the concert hall

Social Dimension

Through the demand-oriented mediation of residual materials, support can reach projects that need it.

STRENGTHEN CIVIL ENGAGEMENT

With your donation of materials, you support the civic engagement of many cultural, social and creative workers, some of whom work under challenging conditions. In this way, you effectively contribute to the development of projects, increasing their added value and visibility for society.

PROMOTING SOCIAL TRANSFORMATION

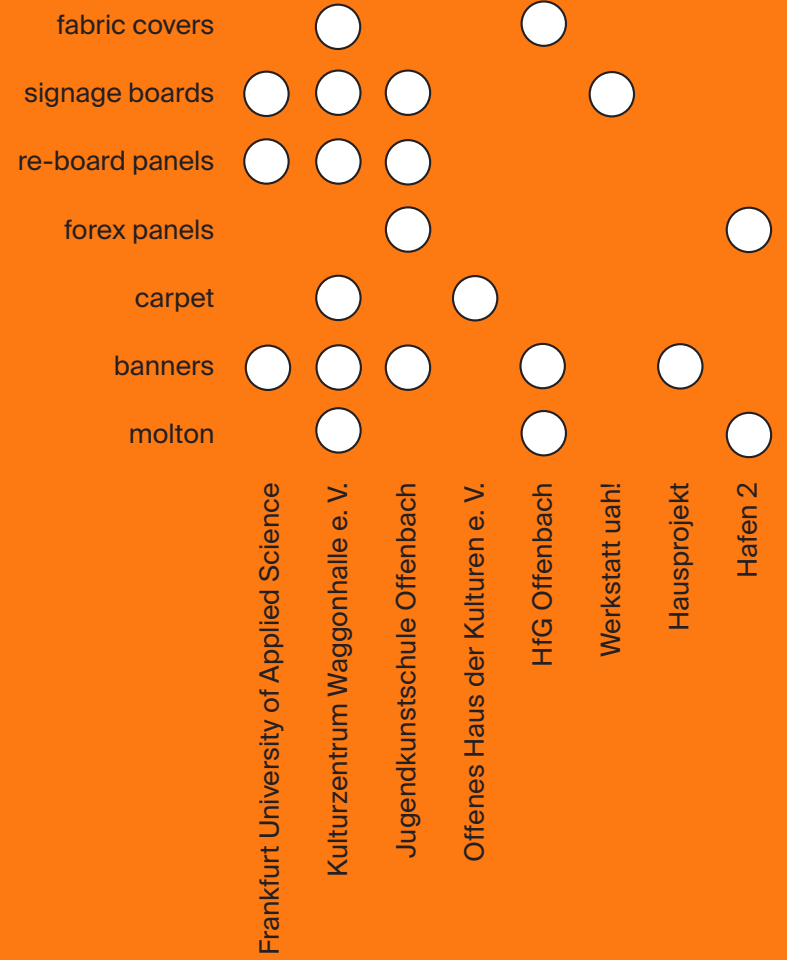
The utilisation of used materials requires creativity. Imaginative reuse and repurposing examples contribute to the transfer of inspiration and awareness for the need of transformation into sustainable use of resources.



Product redistribution among projects

This is how your residual products and components were distributed among locally active projects. The white circles show to which initiative each of your product has been delivered for further use.

The following pages will uncover how these items will be reused, installed, repurposed, upcycled, downcycled, what purpose they will serve and who they will benefit.



Kulturzentrum Waggonhalle e. V.



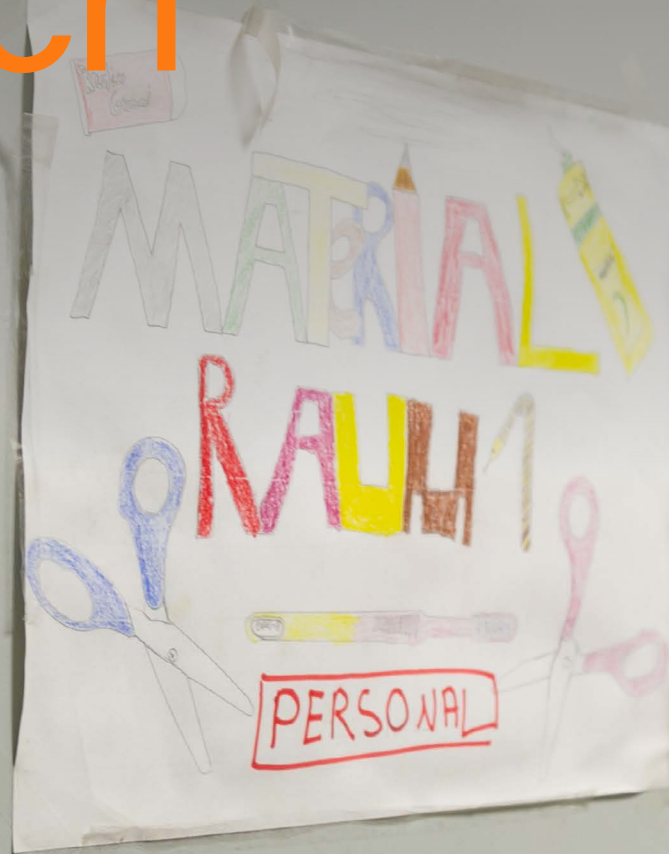
Kulturzentrum Waggonhalle e. V.

The Verein Kulturzentrum Waggonhalle e. V. (Waggonhalle Cultural Centre Association) has been running the cultural centre in a former maintenance building for railway carriages in Marburg since the 1990s. It offers a diverse cultural programme. The Waggonhalle is a place of creativity and it actively encourages visitors to participate in cultural projects. The Christmas market is being further expanded this year. To promote sustainability, caretaker Tom Müllers is focussing on building market stalls out of donated and reusable materials.

waggonhalle.de



Jugendkunstschule Offenbach



Jugendkunstschule Offenbach

The Jugendkunstschule (Youth Art School) Offenbach (JuKu) is a creative place for children and young people who want to discover and develop their artistic skills. With a diverse range of courses, workshops and holiday programmes, the JuKu offers space for painting, sculpture, media art and much more. A special highlight is the ArtMobile. Using donated textiles and cardboard in holiday courses, ArtMobile brings art directly to the children, offering new creative opportunities and thereby inspiring the young participants.

juku-of.de



Offenes Haus der Kulturen e. V.



PROJEKT
Mit & Machen von Kultur für die Kulturlandschaft
17.0. „Jugendkultur & Kulturcampus“
10.10. Kultur für Alle - Was bedeutet das?
8.11. Das Thema ist Kunst
15. & 16.11. Symposium
14-22 Uhr
www.offenes-haus.de

Offenes Haus der Kulturen e. V.

The Offene Haus der Kulturen e. V. (Open House of Cultures Association) is a meeting place where intercultural exchange is promoted and cultural diversity is lived. With the 'Vision31' project, the association is dedicated to the creative interim use of vacant buildings and spaces on the campus. The outdoor area has already been used for cultural events this year and the team is planning to move into one of the buildings next year. This building is being symbolically opened on November 15th - the red carpet makes its first reappearance and underlines the festive character of the event.

offeneshausderkulturen.de



Hafen 2



APFELWEIN vom Fass
Oberdorfer Helles
Frankfurter Reissolomon (schöne Reife)
Frankfurt
Public Kelter
Königs-Helles (schöne Reife)
LÖHND
Königs-Helles (schöne Reife)
Königs-Helles (schöne Reife)
Königs-Helles (schöne Reife)
Königs-Helles (schöne Reife)
Königs-Helles (schöne Reife)

Hafen 2

Hafen 2 (Harbour 2) in Offenbach is a cultural open space that has been promoting art, music and community interaction for many years. The site on the River Main is home to a concert hall, a cinema, exhibitions and a cosy café. It is a popular meeting place for creative people and those interested in culture. Hafen 2 offers a diverse programme of concerts, film screenings and artistic events. Thanks to the donation, the molton will be used in the concert hall to optimise the acoustics and further improve the event experience.

hafen2.net



APPENDIX

The image features a light blue background with several large, abstract orange shapes. On the left, a large orange arrow points upwards and to the right. On the right side, there is a large, rounded orange shape that resembles a stylized letter 'R' or a similar character. The word 'APPENDIX' is written in a bold, dark grey, sans-serif font in the upper left corner, partially overlapping the orange arrow.

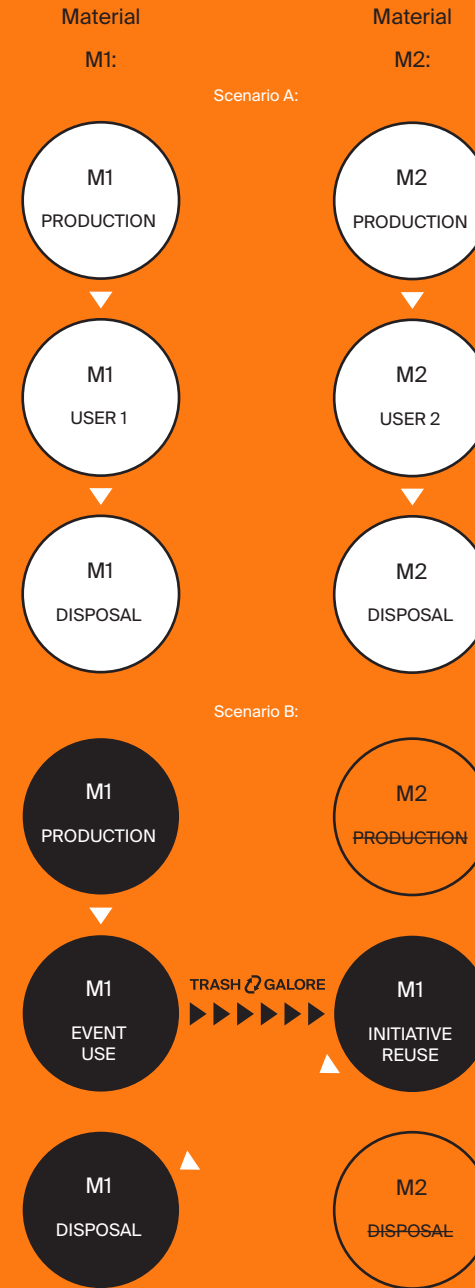
Methodology

TRASH GALORE mediation service minimises waste on your side and increases material efficiency on the end user's side. We ensure that materials that are left over after events are received by people who have a specific need for those materials and can use them for a long period of time. This operation is measurably sustainable and here we explain how we arrive at CO₂eq emissions of our operation.

The emission factors are derived from the life cycle assessment (LCA) of each material that we redistribute. LCA provides CO₂eq data for each life-stage of a material. A simplified version of material life-stages is depicted in Scenario A on the right. Two material lifespans are considered, **because two separate users involved in reuse Scenario B share same material need**. If a used material replaces a purchase of a new material, no new material needs to be produced, and if it is not produced, there is no disposal scenario to consider (Scenario B). This eliminates the emissions for production and disposal and can therefore be considered as “avoided”, because the basic assumption for this calculation is that the initiatives would have otherwise purchased an equivalent material new.

The acquisition of used material instead of new is referred to as 100 % product displacement, which we ensure to the best of our ability and use to determine the full (100 %) added value created by reuse. Using validated LCA data (in accordance with DIN EN 15804+A2 and DIN EN ISO 14044), we can calculate how many CO₂eq emissions were not emitted for each quantity of material that was displaced. Although our experience tells us that the projects that do not have a need for materials refuse the donation, and those who accept the donation are grateful for a much needed supply, we cannot always verify that they would have actually bought the material new instead. Therefore, when talking about CO₂eq avoidance, we refer to potentially avoided CO₂eq.

Additionally, we calculate the emissions we cause in our mission-related activities, such as the emissions caused by transporting the materials to the initiatives. We strive to cause as few emissions as possible by having our team travel by train to each mission and by redistributing the materials locally (up to a maximum distance of 50 km). We collect the data by (1) weighing the materials we deliver, (2) reading out the transport kilometres in the rental vehicles and (3) tracking all journeys by public transport made by the team working for the operation. The resulting CO₂eq emissions are then compared on page 7 in this Reuse Report. For scientific literature of this methodology, please refer to trashgalore.de.



- A. Scenario A: „Business-as-usual“ - scenario of linear material use.
- B. Scenario B: TRASH GALORE intervention - scenario of material life extension through reuse.
- Life cycle stages and associated CO₂eq emissions of Materials M1 & M2 - production and disposal of same materials, used by two different users.
- Material M1 use-phase extension - TRASH GALORE transfers M1 from User 1 to User 2. Material M1 replaces material M2.
- Avoided CO₂eq emissions through avoided life stages of material M2. Production & disposal of M2 did not occur, because User 2 did not use material M2.
- ▼ Additional processes and associated CO₂eq emissions, incl. transportation of M1 by TRASH GALORE.
- ▼ Transportation emissions between material life phases.