



DUURZAMER TENTOONSTELLEN

Hoe pak je dat aan?

Monique Verelst

GO 16 mei 2022 (Namiddagssessie 5 & 12)

FARO

Vlaams steunpunt voor
cultureel erfgoed



Vlaanderen
verbeelding werkt



I Inleiding

II Inspirerende voorbeelden

III Nabespreking



klimatecrisis

is op sociaal, economisch en ecologisch vlak onderling verbonden met elkaar
organisaties moeten de ambitie hebben deze drie uitdagingen aan te pakken
doorheen alle geledingen van de organisatie.



ongeveer 80% van het
milieueffect van een productie
wordt in het
beginstadium bepaald.

Duurzamer tentoonstellen: Hoe begin je eraan?



Vanaf het begin

- > Bewustmaking rond duurzaamheid integreren in hele team
- > Duurzaamheid specifiek en tastbaar maken
- > Brainstorm organiseren en vragen stellen rond duurzaamheidskwesties
- > Vertrek vanuit je eigen organisatie en mogelijkheden
- > Vertrek vanuit het DNA van je collectie
- > Prioriteiten stellen

Duurzamer tentoonstellen: Hoe begin je eraan?



Bepaal je prioriteiten en doelen

- > Wat zijn sleutengebieden met hoogste milieu impact?
energie, materiaal, afval en transport
- > Wat is ons doel?
- > Wat willen we daarmee bereiken?
- > Hoe pakken we het aan?
- > Hoe gaan we vooruitgang volgen?

Duurzamer tentoonstellen: Hoe begin je eraan?



Bepaal je prioriteiten en doelen > Tips

- > Voorzie nodige tijd voor onderzoek, testen, overleg
- > Monitor en volg op
- > Bekijk duurzaamheid adhv elke fase van het tentoonstellingsproces
- > Begin bij laaghangend fruit
- > Vele kleine acties > groot
- > Hou rekening met de 5 R's
 - Refuse, Reduce, Reuse, Repurpose, Recycle
- > Betrek alle belanghebbenden

Duurzamer tentoonstellen: Hoe begin je eraan?



Wie zijn de stakeholders? Intern & extern

Tentoonstellingen	Productie	Techniek	Digitaal	Aanbesteden	Curator	Conservator
Conservatie	Storytelling	Publieks- werking	Publieks- bemiddeling	Educatie	Onderzoek	Onthaal
Events	Communicatie	Grafische vormgeving	Bewaking	Beveiliging	Finance	Facility
Depot	Fundraising	Gemeenschappen	Ontwerpers	Specialisten (AV, Licht, ...)	Aannemers	Bruikleengevers
	Sponsors	Toerisme	Uitgeverij	Retail	...	

Duurzamer tentoonstellen: Hoe begin je eraan?

Bekijk duurzaamheid adhv elke fase van het tentoonstellingsproces

BRAINSTORM

CONCEPT

AANBESTEDING

ONTWERP

PRODUCTIE

PROGRAMMA

COMMUNICATIE / PUBLICATIE

ART-HANDLING / TRANSPORT

EVENTS / RETAIL

AFBOUW / AFVAL

EVALUATIE

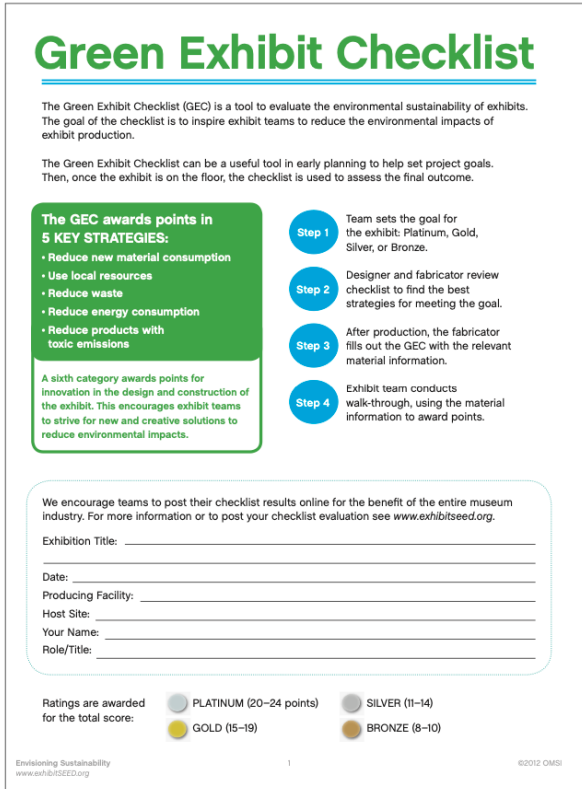


Duurzamer tentoonstellen: Hoe begin je eraan?

■ Evaluatie en communicatie

- Meten = weten
- info gebruiken om doelen te stellen
- producties te vergelijken
- Te evalueren (wat is succes, voor verbetering vatbaar, ...)
- Documenteer voor toekomstige projecten
- Deel de relevante info met betrokkenen
- Deel de informatie en expertise met sector

- Vb. Green Exhibit Checklist



Green Exhibit Checklist

The Green Exhibit Checklist (GEC) is a tool to evaluate the environmental sustainability of exhibits. The goal of the checklist is to inspire exhibit teams to reduce the environmental impacts of exhibit production.

The Green Exhibit Checklist can be a useful tool in early planning to help set project goals. Then, once the exhibit is on the floor, the checklist is used to assess the final outcome.

The GEC awards points in 5 KEY STRATEGIES:

- Reduce new material consumption
- Use local resources
- Reduce waste
- Reduce energy consumption
- Reduce products with toxic emissions

A sixth category awards points for innovation in the design and construction of the exhibit. This encourages exhibit teams to strive for new and creative solutions to reduce environmental impacts.

Step 1 Team sets the goal for the exhibit: Platinum, Gold, Silver, or Bronze.

Step 2 Designer and fabricator review checklist to find the best strategies for meeting the goal.

Step 3 After production, the fabricator fills out the GEC with the relevant material information.

Step 4 Exhibit team conducts walk-through, using the material information to award points.

We encourage teams to post their checklist results online for the benefit of the entire museum industry. For more information or to post your checklist evaluation see www.exhibitseed.org.

Exhibition Title: _____

Date: _____

Producing Facility: _____

Host Site: _____

Your Name: _____

Role/Title: _____

Ratings are awarded for the total score:

- PLATINUM (20-24 points)
- GOLD (15-19)
- SILVER (11-14)
- BRONZE (8-10)

Envisioning Sustainability
www.exhibitseed.org

©2012 OMSI

[link](#)

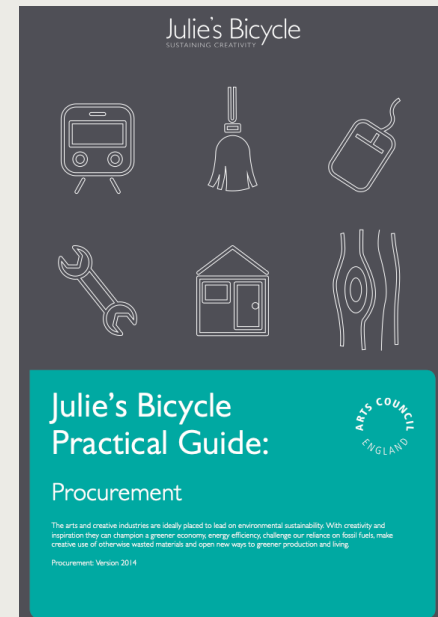
Duurzamer tentoonstellen: Hoe begin je eraan?



■ Aanbestedingsprocedure

- Neem de nodig tijd om een procedure/projectdefinitie op te stellen
- Neem duurzaamheidscriteria op
- Vraag naar milieubeleid en -doelstellingen van de leverancier > quoteer > kies voor leveranciers met goede milieuprestaties
- Kies voor lokale en duurzame producten. Denk na over 'whole life' kosten (groene materialen hebben vaak minder operationele kosten, minder onderhoud nodig en langere levensduur)
- Recyclagebeleid? Bv. 50% recycleren/wegschenken partners
- Kan er materiaal uit vorige tento's herbruikt worden?
- Is leasing mogelijk?
- Zijn er ontwerprichtlijnen/designprincipes?

- Vb. JB Practical Guide - Procurement



[Link](#)

Duurzamer tentoonstellen: Hoe begin je eraan?



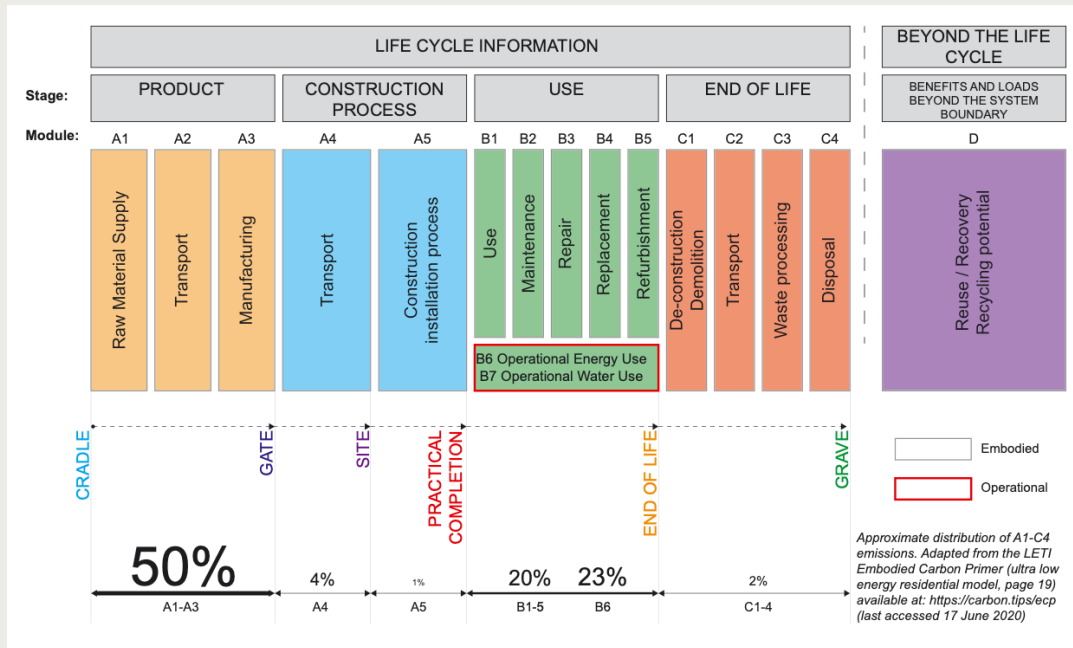
■ Ontwerp en designprincipes

- Stel een inventarislijst op met te herbruiken materiaal/meubilair
- Ontwerp voor demontage, materiaalscheiding
- Ontwerp voor compact transport, effectieve opslag
- Ontwerp adhv standaardmaten > minder afval
- Ontwerp in lagen en met eind in zicht (20j/10j/tijdelijk > recycleer)
- Ontwerp voor gezamenlijke doelen/aankoopbeleid
- Ga voor locale ontwerpers, makers, materialen
- Vertrek vanuit **circulaire economie** / materialen
- Ga na wat de **milieueffecten zijn van materialen**

Vb. Environmental Product Declaration /materialen paspoort

Vb. EllenMacArthur Foundation / Vlaanderen Circulair

Environmental Product Declaration (EPD) / Materialenpaspoort



EPD kijkt naar de levenscyclus van een product om duurzaamheid te bepalen

- Geeft info over de verschillende fases v e product (van grondstof tot hergebruik)

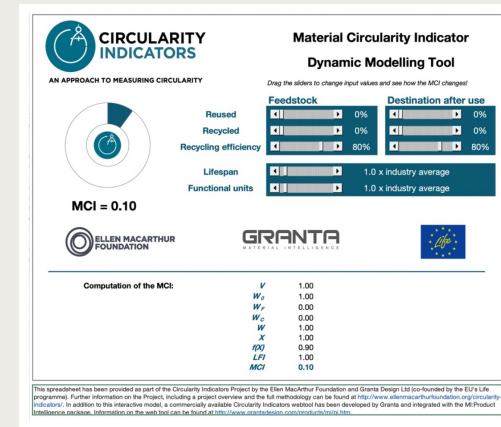
Materialenpaspoort kijkt naar welke materialen verwerkt werden in een gebouw / project

- Geeft info over de materialen en technische eigenschappen
- De positie ervan in het gebouw of eerdere locatie(s)
- eigenaarschap

Circulaire economie

ELLEN MACARTHUR FOUNDATION

- The role of design in Circular economy
- Develop tools to design and evaluate



- > **Material Circularity Indicators (MCI)**
 - Meet circulariteit van materiaalstromen voor bepaalde producten
 - Geeft overzicht van materiaalstromen in organisatie
 - Helpt de besluitvorming voor beter productontwerp en materiaalkeuze



ELLEN MACARTHUR FOUNDATION

Circular economy | Our work | About us | En

All | Read | Listen | Watch

Topic | Content type | Geography | Most recent

Filtered by: Topics | Design x

Other available languages: Español | Português

There were 128 results

- The Circular Economy Show Podcast**
Ep 105: Creating better packaging from seaweed with Notpla
Earthshot prize winner Notpla is revolutionising the way we think about packaging
- Episode 61: Eliminate, circulate, regenerate**
In this episode, we'll explore the challenges in transitioning from our take, make, waste economy...
- The Circular Economy Show Podcast**
Ep 103: The role of design in the circular economy
Introducing six design leverage points
- Press Release: The six levers designers can use to unlock the potential of circular design**
The Ellen MacArthur Foundation has identified six leverage points that designers

VLAANDEREN CIRCULAIR

Je bent hier: Home > Aan de slag > Tools en platformen

TOOLS EN PLATFORMEN

De bomen door het bos

Op deze pagina's bundelen we een overzicht van business-to-business (B2B) tools die je kunnen helpen om circulaire principes in de praktijk toe te passen. We bieden de tools louter ter info aan en vellen zelf geen oordeel over de kwaliteit van de tools.

We haalden voor dit overzicht heel wat mosterd bij de inventarisatie van Charlotte Cambier, Waldo Galle en Niels De Temmerman (WUB) en Adrian Hill (ULB).

ONTBREEK ER EEN TOOL? TIP ONS!

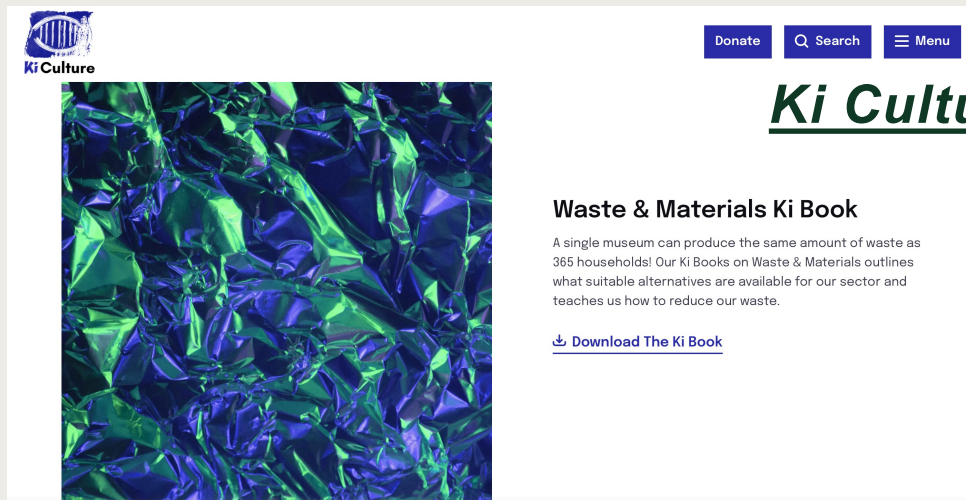
VLAANDEREN CIRCULAIR

- > Circulaire Economie > tools en platformen



Duurzamer tentoonstellen: Hoe begin je eraan?

■ Afbouw en Afval



MLeuven Groene boekje

> Alle teams> inspanning ten dienste milieu

- Afval
- Materialen
- Productie
- Energie
- Ontwerp
- Transport
- Art-handling
- Etc...

> Ki books:

- Social Sustainability Ki Book
- Waste & Materials Ki Book
- Energy Ki Book



International Centre for the Study of the
Preservation and Restoration of Cultural Property

OUR COLLECTIONS MATTER

TOOLKIT



Read more about [Our Collections Matter](#)

Where would you like to start?

5Ps PEOPLE PLANET PROSPERITY PEACE PARTNERSHIP

ACTIONS

- Protect and safeguard cultural and natural heritage
- Learning and educational opportunities
- Cultural participation/social inclusion
- Sustainable tourism
- Support research
- Employment (recruiting, training, safety)
- Energy consumption and greenhouse gas emissions
- Waste management and reduction
- Transport (forms of, energy use)
- Commercial activities including copyright and IP
- Governance and management
- Security, disaster preparedness, risk reduction
- External partnerships and collaborations

SDGs



SDG Targets

GO

Our Collections Matter (OCM) TOOLKIT

- > ICCROM & partners
- > Verzamelbox met linken naar 250-tal praktische bronnen
- > beschikbaar vanuit de erfgoedsector en daarbuiten
- > Om collectie-organisaties te helpen bij te dragen aan duurzame ontwikkeling
- > Op 5P's
- > De toolkit ondersteunt gebruikers bij het stellen van doelen, het plannen en uitvoeren van acties en het monitoren en evalueren van activiteiten in termen van duurzame ontwikkeling.

Duurzamer tentoonstellen: Hoe begin je eraan?

■ Productie en programma

- Produceer minder
 - Programmeer langer
 - Programmeer opnieuw
 - Gebruik de vrijgekomen tijd en creativiteit voor verandering!
-
- Vb: Richtlijnen en actiepunten in vele vbn volgende slides



Duurzamer tentoonstellen: Hoe begin je eraan?



CIMAM → Sustainability and Ecology in Museum Practice → Toolkit on Environmental Sustainability in the Museum Practice

Toolkit on Environmental Sustainability in the Museum Practice

About this Toolkit



Launched May 2021. Latest update: January 2023. This Toolkit includes the resources, tools, guides, and examples to reduce museums' carbon footprint in the short, medium, and long term. CIMAM encourages its members to commit to implementing the necessary changes for achieving climate neutrality according to the United Nations' Sustainable Development Goals (SDGs).

(1) Examples of Immediate Actions



This section collates a series of actions and solutions that are currently being implemented in the museums and curatorial projects of CIMAM Board members 2020–25.

(2) Sustainability Action Plans by Museums



Almost everything can be reinvented, and looking at successful examples will give you the confidence to take the pledge and make the necessary changes in your institution.

(3) Carbon Footprint Calculators and Certificates



Knowing your current carbon print is the best way to help you set clear goals and a strategy to become carbon neutral.

(4) Sustainability Consultants



Some of these consultants are focused on cultural organizations, and those who are not been recommended by the members of the CIMAM Board.

(5) Inspiring Projects, Platforms, and Resources



There are many organizations working to foster the necessary changes to protect the environment. We have included here those platforms focused on museums and curatorial projects that contribute to raising awareness in society.

[CIMAM TOOLKIT](#)

Sustainable Exhibition Design & Construction

Toolkit

working draft
August 2022

CambridgeSeven

[link](#)

Julie's Bicycle
SUSTAINING CREATIVITY

Julie's Bicycle
Practical Guide:
Productions and Exhibitions

ARTS COUNCIL
ENGLAND

The arts and creative industries are ideally placed to lead on environmental sustainability; with creativity and inspiration they can champion a greener economy, energy efficiency, challenge our reliance on fossil fuels, make creative use of otherwise wasted materials and open new ways to greener production and living.

Productions and Exhibitions: Version 2014

[link](#)

FARO

mobilising museums

for climate action

Tools,
frameworks
and opportunities
to accelerate climate
action in and with museums

Henry McGhie

[link](#)

SUSTAINABLE EXHIBIT DESIGN Guidelines for designers of small scale interactive and travelling exhibits

Karl Abeyasekera
Geoff Matthews

This study was commissioned under the FLOWS Project which is part funded by the European Regional Development Fund (ERDF) through the INTERREG IIB North Sea Region programme.



[link](#)

A Practical Guide for Sustainable Climate Control and Lighting in Museums and Galleries



[link](#)



**FA
RO**

Sustainable Cultural Productions: Museum

CALCULATORS



Creative Green Tools

A free set of unique carbon calculators developed by Julia V. Bicycle specifically for the creative industries.



GCC's Carbon calculator

The free online tool is designed to help estimate the carbon footprint of your business based on metrics common to most art galleries in today's international art world. It aims to be as easy to use as possible and provide a quick breakdown of the main sources of greenhouse gas emissions.



A Carbon Footprint Calculator

A free to use calculator useful for travel emissions calculations.



Carbon footprint of materials used in museums and galleries

Comparison of the carbon footprint between business activities like the use of natural materials with low kg CO₂e, thus making educated choices, truly lowering the environmental impact of their activities.



Paper life cycle assessment

The Paper Calculator is a publicly available web-based tool which allows users to calculate and compare the estimated environmental impacts of different paper choices using a science-based methodology grounded in life cycle assessment (LCA).



CO₂ calculator for digital media

Measuring and comparing the carbon footprint of your adverts.



R Impact Assessment

Monitor and manage your organization's social and environmental impact.

RESOURCES



United Nations Climate Neutral Now

Join this initiative to achieve a climate-neutral world by 2050, as endorsed in the Paris Agreement. As an organization you can take part by signing the Climate Neutral Now Pledge, following the three steps (Measure, Reduce, Contribute), and reporting on its actions and achievements annually.



Inventory of carbon and energy (ICE) database

A free online resource with information about the embodied carbon of more than 200 materials.



AIA Framework for Design Excellence

The framework is made up of 18 measures for a sustainability built environment.



2030 Palette

A database of sustainable design strategies and resources for architects and urban planners.



Experimental materials database

Focus materials bank that supports and promotes the transition towards a more sustainable artistic practice.



Beacon

An open-source Revit plug-in for structural engineers that generates a data visualization of a project's embodied carbon.



Globeschain Reuse Marketplace for Business

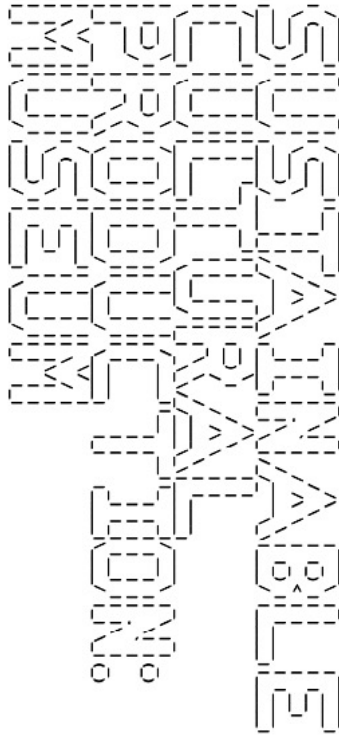
The leading B2B data reuse marketplace connecting enterprises with non-profits, small businesses and people to redistribute unneeded items.



Evidenca certifikatov ekološkega kmetovanja (Register of organic farming certificates)

In Slovenian only

ŽAN KOBAL
TAMARA LAŠIČ JURKOVIČ
BARBARA PREDAN
SOPHIE THOMAS



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Part of 27th
Biennial of
Design - BIO27
by Museum of
Architecture
and Design MAO
(Ljubljana,
2022)

Plastic Heart: A DIY Fieldguide for Reducing the Environmental Impact of Art Exhibitions

Compiled by the Synthetic Collective www.syntheticcollective.org

PLASTIC HEART:

Environmental Impact of Art Exhibitions

A DIY Fieldguide for Reducing the

The Synthetic Collective is an interdisciplinary collaboration between visual artists, cultural workers, and scientists.

Research and exhibition in The Art Museum at the University of Toronto (2022)

FARO

Duurzamer tentoonstellen: Hoe begin je eraan?



Waarin kan de sector verder groeien?

- meer en beter duurzaamheidsdoelen bepalen
- verzamelen van meer data en betere opvolging
- creatiever aan de slag gaan met circulaire materialen
- informatie en expertise delen met de sector
- communiceren van duurzaamheidsdoelstellingen en acties naar brede publiek

What's next?

- 2023 Opstart Lerend netwerk 'Collectiezorg'
Kick off 13 juni 2023 + data in najaar
Key-note Henry Mc Ghie (Curating Tomorrow)
- 2024 Opstart Lerend netwerk 'Tentoonstellingsproductie'
- Erfgoedwijzer FARO: Focus op duurzaamheid



Pitches/Inspirerende voorbeelden

- **Modemuseum Hasselt**

Door Hanne Jakubiak (Musea Hasselt)

- **Erfgoedcel Brugge en Handmade Brugge**

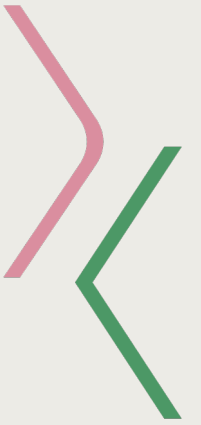
Door Evelyne Demey (Handmade in Brugge)

Livia Snauwaert (Erfgoedcel Brugge)

- **Gents Universiteitsmuseum - GUM**

Door Alexander Jonckheere (GUM)

Marjan Doom (GUM) en Sophie De Somere (Onbetaalbaar)



HARTELIJK DANK!



MONIQUE VERELST

Adviseur musea en museografie

FARO

Vlaams steunpunt voor
cultureel erfgoed



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faro.be

Links en platformen:

<https://www.iccrom.org/programmes/our-collections-matter>

<https://juliesbicycle.com>

<https://www.kiculture.org/ki->

<https://www.ne-mo.org/advocacy/our-advocacy-work/museums-and-sustainability.html>

<http://museumsforfuture.org>

<https://www.artswitch.org>

<https://www.museumsforclimateaction.org>

<https://wearemuseums.com>

<https://ellenmacarthurfoundation.orghttps://eprints.lincoln.ac.uk/id/eprint/689/1/uoa30gm03.pdf>

<books/https://www.museumnext.com/article/sustainability-strategies-for-exhibitions/>

<https://cimam.org/news-archive/toolkit-on-environmental-sustainability-in-the-museum-practice/>

https://juliesbicycle.com/wp-content/uploads/2022/01/Sustainable_Procurement_guide_2015.pdf

https://juliesbicycle.com/wp-content/uploads/2022/01/Productions_and_exhibitions_guide_2015.pdf

http://www.sustainablepractice.org/wp-content/uploads/2012/12/gnexhibcheck_v1_0.pdf

https://issuu.com/bio_ljubljana/docs/bio27_futuring-toolkit_eng

https://syntheticcollective.org/wp-content/uploads/2021/06/PlasticHeart_DIY_Fieldguide-2.pdf

Etc...

