

Brewing a sustainable future:

Method to measure your company footprint and to set improvement priorities



20 %

of the global
environment impact is
due to FOOD & DRINK
sector *

* European Environment Agency,
Agriculture and Food systems, 10 October 2023.

Join the
Food transition
Be part of the
Solution!

Why is it important?

Reduce the **environmental** impact

Be compliant with **legislations**

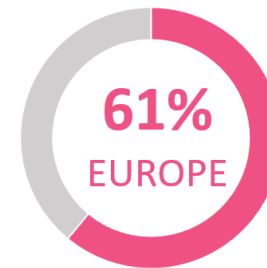
Tackle top of mind consumer's concern

Anticipate possible **risks** for your business



of the global environment impact is due to FOOD & DRINK sector*

- Green Claim Directive
- CSRD : Corporate Sustainability Reporting Directive
- ESPR : Eco-design for Sustainable Products Regulation



Consumers looks for products that are produced sustainably**

Raw material availability

Import / Export of finished goods

Access to financial resources

* European Environment Agency, Agriculture and Food systems, 10 October 2023.

** Taste Tomorrow consumers survey 2023.

Actual situation



A lot of different claims

Different results depending of the methodology used

Confusing for the consumers & makes the Ecological transition impossible

Focus mainly on climate change.
Carbon counts only for 1/3 of the real impact

Environmental footprint is as well water and land used, toxicity or pollution.

PEF methodology is a multicriteria approach



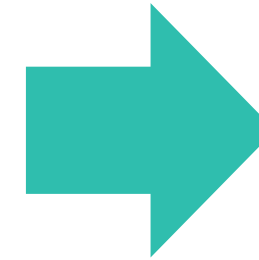
PEF is a
Life Cycle Assessment
(LCA)



Environmental impact is
not only about CO₂ !

Multicriteria approach

Water, land use, toxicity
and pollution...



**Normalization
& weighting**



Delivers 1 **single score**

Easy comparison &
communication

PEFCR available for brewery sector !



- ✓ **PEFCR** : Product Environmental Footprint Category Rules
- ✓ It is a declination of the PEF for a **specific sector**
- ✓ Provide **consistent set of rules** to calculate the impacts of beer production
- ✓ Include specific guidelines for data collection and impact assessment

From product (PEF) till organization evaluation (OEF)

Based on the same methodology



PEF

Product Environmental Footprint



OEF

Organization Environmental Footprint
(including Carbon footprint Scope 1, 2 and 3)

We help your environmental conversion journey



Thanks to a **unique platform** created to model and master the **PEF/OEF** approach and the associated **data based**.

PEF/OEF are the **most robust and scientific** methodologies available on the market for **environmental assessment**.

We make it **easily accessible** for the food sector!

- PEF = Product Environmental Footprint
- OEF = Organization Environmental Footprint
- The only methodology recognized by EU



Advantages of understanding your impacts

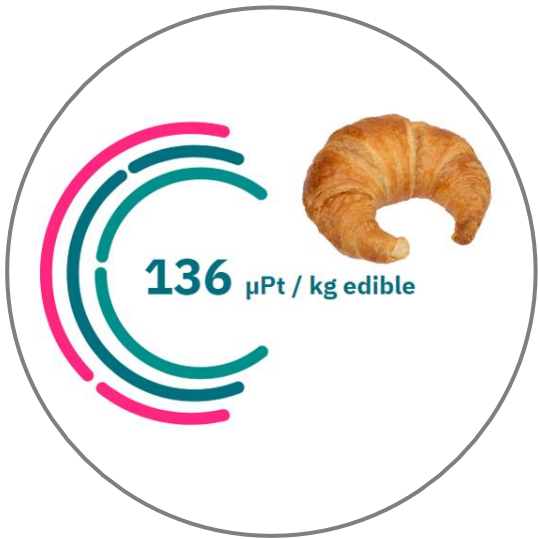
- ✓ Have a clear view of your **Scope 1, 2 and 3**
- ✓ **Reduce** your impact and **decarbonize** your business
- ✓ **Communicate** effectively
- ✓ Meet **SBTi** and **CSRD** requirements



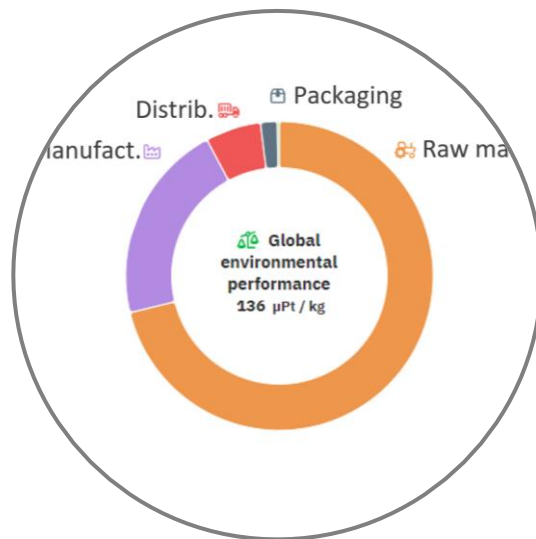
Main applications of the GF-Impact platform

Measure, Understand, Improve, Valorize

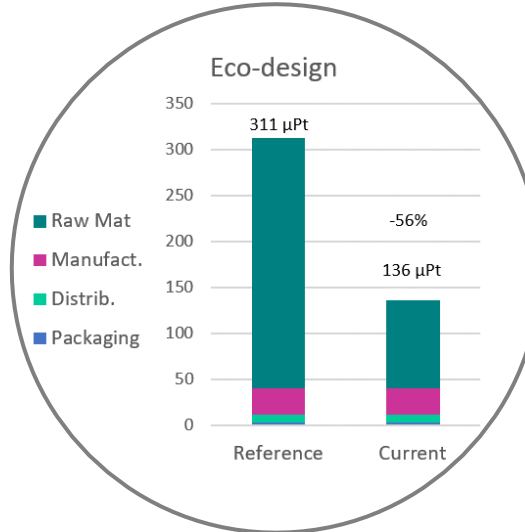
Measure
Environmental
Performance



Understand
impacting
factors



Improve thanks
to eco-design
simulation



Analyze impact of
your Organization
(scope 3)



Impacting factors identification

Thanks to the identification of the impacting factors, you can:

Set up priorities for improvement

Take actions more easily

Be sure that the resources that you will spend will have a strong impact



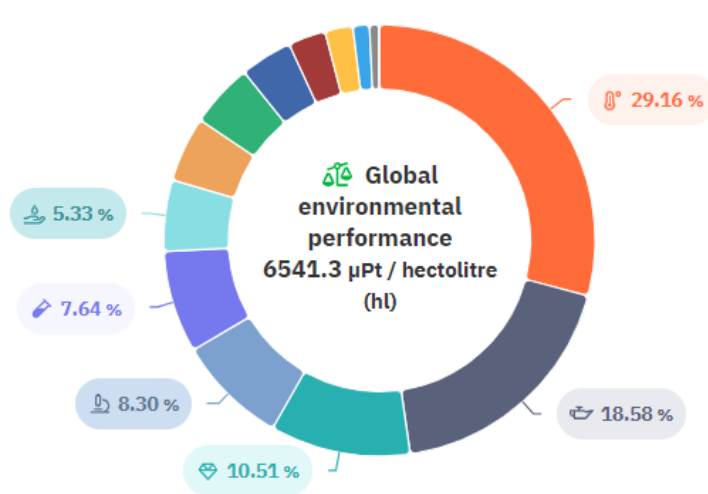
Example of Application



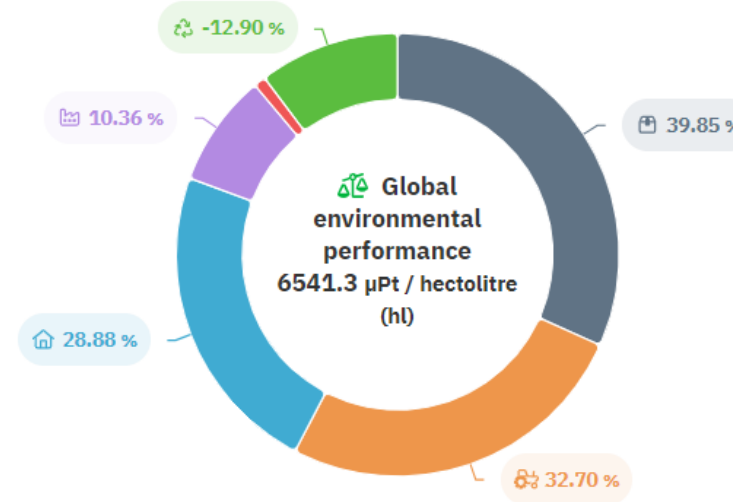
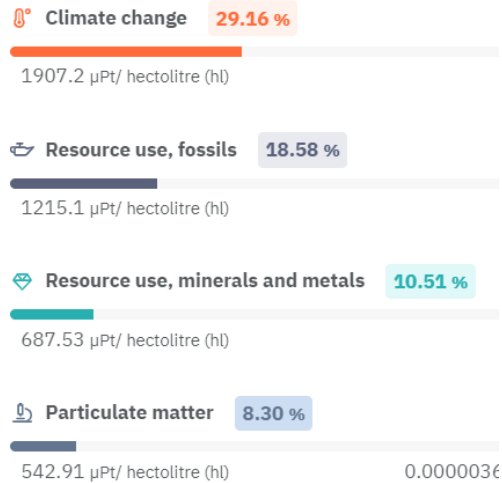
What is the difference between those beers?

Evaluation of a representative product

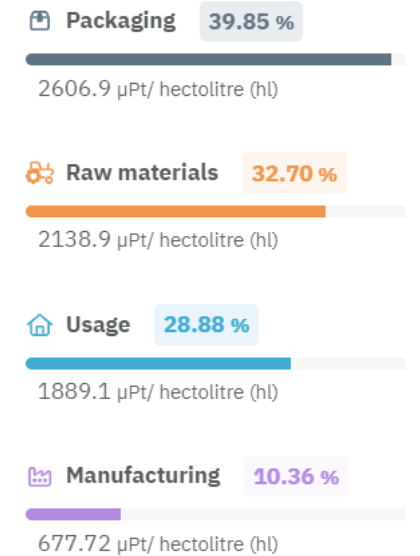
Lager beer



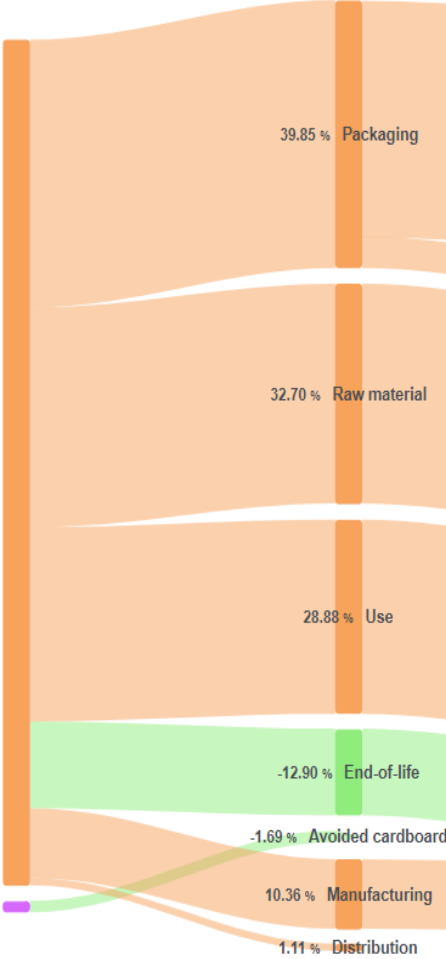
Decomposition by Impacts



Decomposition by Stages



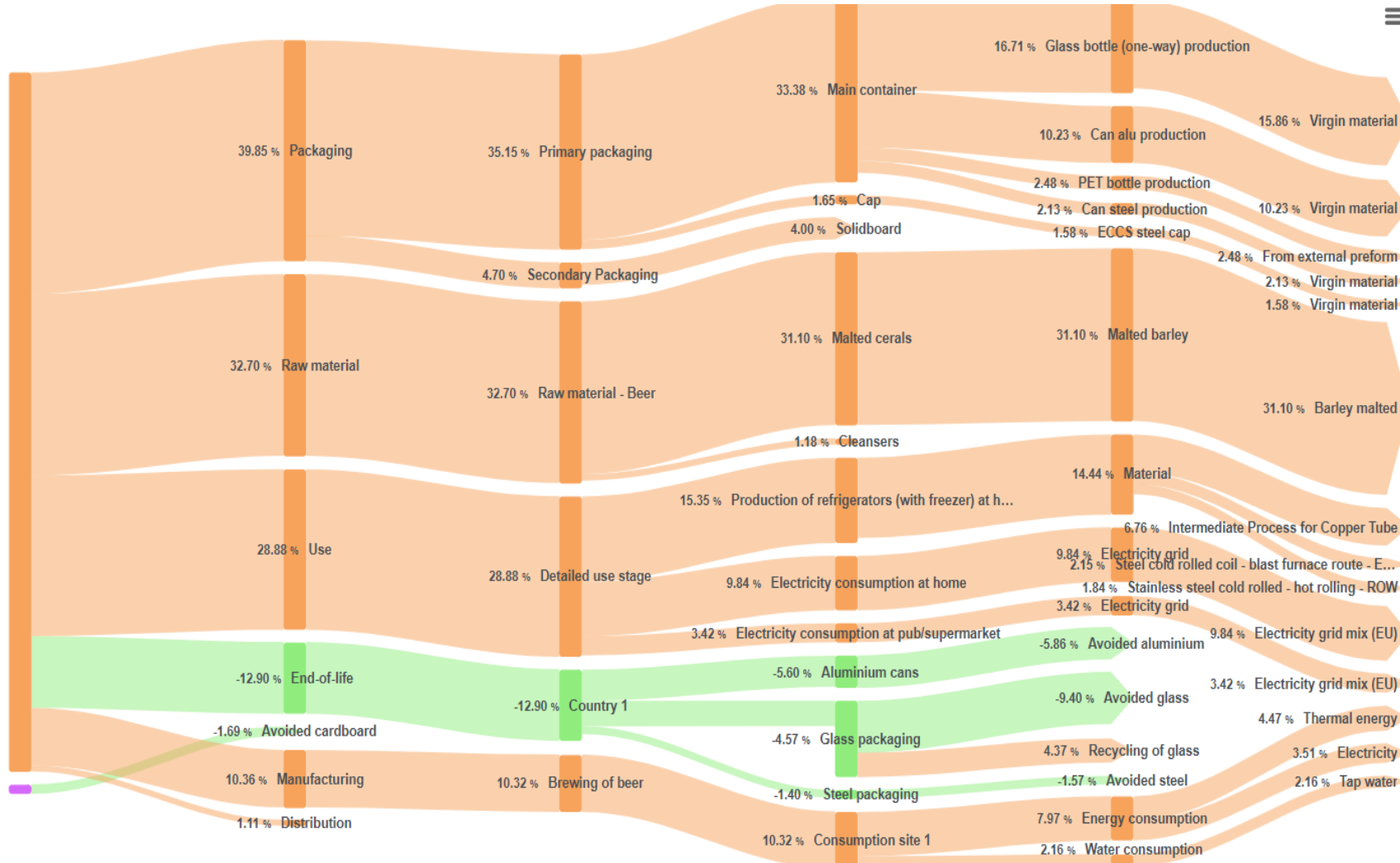
Evaluation of a representative product



Impact drivers :

- Packaging
- Raw materials
- Use fase

Evaluation of a representative product



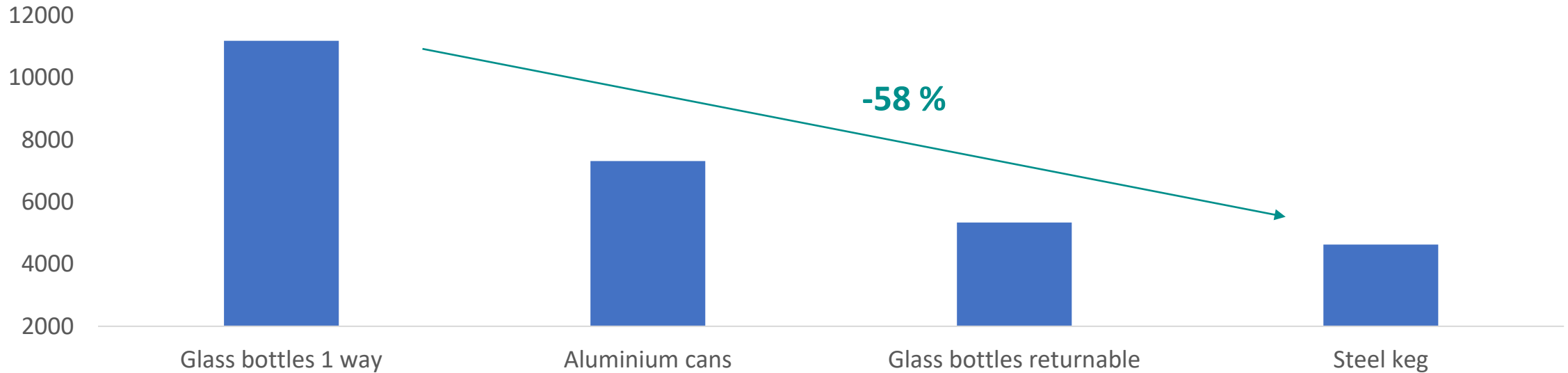
Impact drivers :

- Bottles
- Cans
- Malt
- Electricity consumption (home & pubs)
- Consumption during production

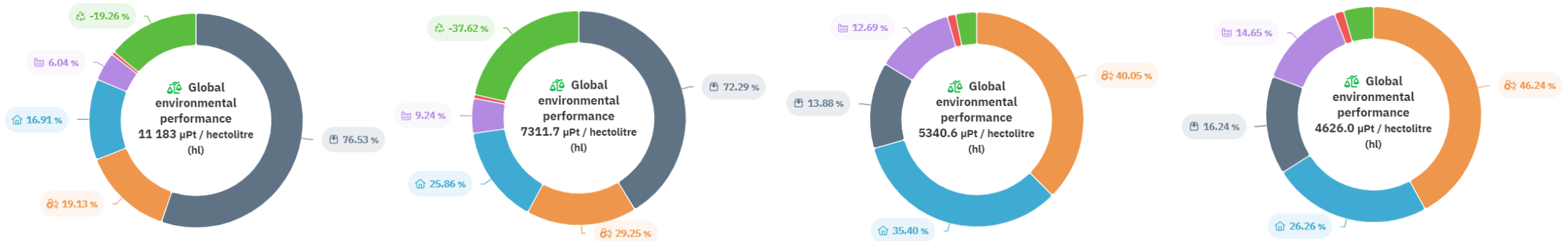
Impact of different packaging



Global environmental score ($\mu\text{Pt}/\text{hl}$)



Decomposition
by Stages



Analyzing your impact

It makes the difference!

- ✓ PEF/OEF is the only methodology recommended by EC :
Be future proof for coming new European legislations!
- ✓ Multicriteria approach :
Step out of the carbon funnel!
- ✓ Based on LCA : LCA = time well invest = clear view of the hotspots :
Have clear priorities to take action!
- ✓ Validated / common / defined databases and methodologies :
Go for common languages and full transparency!
- ✓ Possibility to integrate specific data up to the farm level :
Be as granular as you want!
- ✓ Several options to help data integration internally or from external suppliers :
Facilitate your live with data collection!

Possible collaborations in view of the different legislations

- ✓ Reuse data already collected and apply for **multicriteria** evaluation
- ✓ Assessment of **key products**, integration in **NPD process** and **eco-design** simulations
- ✓ **Segmentation** of the company impacts by brand and implement differentiated approaches for improvement
- ✓ Support in the **SBTi** journey



Willing to assess your Products or Organization ?

(including Carbon footprint Scope 1, 2 and 3)

Contact us for a Demo

gvandelaer@gf-impact.com

Or discover more here

<https://www.gf-impact.com/>

