# UP Scorecard

## Understanding Packaging Scorecard

**Sustainable food packaging choices – unwrapped**

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A free, easy-to-use web-based tool to assess the sustainability impacts of common foodware and food packaging choices.

UP Scorecard

# Enabling safe and sustainable food packaging decisions

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# UP Scorecard in a nutshell

## Potential

Food service industry with huge purchasing power could provide **transformative market signal**

Would greatly **reduce high environmental burdens and serious health risks**

## Challenge

**Lack of technical expertise and/or time** to evaluate leads to mostly unrealized opportunity

## Solution

UP Scorecard: **intuitive, science-based packaging decisions** for procurement and beyond

## How does it work

The UP Scorecard **assesses commonly used foodware and food packaging products** with a **comprehensive, coherent, and science-based method** to provide the food service industry with the information it needs to make **safe and sustainable purchasing decisions**. It is free and available online for all to use.

# A multi-stakeholder approach

**UP Scorecard – a Single-Use Material Decelerator (SUM'D) tool**
Developed by the **Single-Use Material Decelerator (SUM'D)**, a multi-stakeholder group including leading global food service companies, NGOs and technical experts.
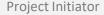


Project Leader     Host Organization     Fiscal Sponsor     Supporter     Project Initiator

# Tool insight

## Beverage Containers

Change Container Selection | US Recoverability Averages | Custom Composting and Recycling

| Container Type | Plastic Pollution g plastic leakage | Chemicals of Concern 2 worst to 20 best | Climate g CO$_2$-eq | Water use L of water | Sustainable Sourcing 1 worst to 5 best | Recoverability 1 worst to 5 best | Summary Score |
|---|---|---|---|---|---|---|---|
| stainless steel bottle Reused 100 times 30% recycled content | 0.0 (+) | 11 (−) | 37.9 (+) | 0.4 (+) | 5 (+) | 5 (+) | 93% (+) |
| glass bottle Reused 25 times 33% recycled content | 0.0 (+) | 11 (−) | 83.1 (+) | 0.8 (+) | 5 (+) | 5 (+) | 90% (+) |
| carton 0% recycled content | 0.2 (+) | 2 (✕) | 112.9 (+) | 0.9 (+) | 2 (↓) | 1 (✕) | 50% (−) |
| glass bottle 33% recycled content | 0.2 (+) | 11 (−) | 642.1 (✕) | 4.3 (↓) | 3 (−) | 3 (−) | 46% (−) |
| aluminum can 50% recycled content | 0.0 (+) | 2 | 263.0 (↑) | 6.1 (✕) | 3 (−) | 3 (−) | 45% (−) |
| PET bottle 6% recycled content | 1.2 (↓) | 2 | 196.5 (↑) | 3.2 (−) | 2 (↓) | 3 (−) | 41% (−) |
| bioPET (30%) bottle 0% recycled content | 1.2 (↓) | 2 | 197.0 (↑) | 3.5 (−) | 2 (↓) | 3 (−) | 40% (↓) |
| HDPE bottle 0% recycled content | 1.8 (✕) | 2 | 254.6 (↑) | 2.6 (↑) | 1 (✕) | 3 (−) | 31% (↓) |

BETA

# UP Scorecard metrics

**Climate impact**
Indicator: grams $CO_2$ equivalents ($gCO_2e$)
*Amount of carbon dioxide equivalent emissions*

**Water use**
Indicator: liters of water consumed
*Consumptive use of surface and ground water (blue water use)*

**Plastic pollution**
Indicator: grams of plastic leakage
*Mass of plastic that enters the environment*

**Chemicals of Concern (CoC)**
Indicator: scale 2 (worst) – 20 (best)
*Possible presence of CoC and level of material inertness*

**Recoverability**
Indicator: scale 1 (worst) – 5 (best)
*Potential to be recovered for commercial use or converted into beneficial material*

**Sustainable sourcing**
Indicator: scale 1 (worst) – 5 (best)
*Percentage of post-consumer recycled content included and certification involved*

# CoC metric – starting point to raise awareness

| **Overall CoC** Sum of two sub-scores | = | **CoC presence score** | + | **Inertness score** |

**Overall CoC**
Sum of
two sub-scores

**=**

**CoC presence score**

**presence** of intentionally added chemicals of concern and the **reliability** of the information provided

*based on a list for known food contact chemicals of concern (Food Chemicals of Concern List), prioritized and grouped into three tiers*

**Basis:** research and information provided by NGO's and industry associations, including FPF's Food Contact Chemical Database (FCCdb).

**+**

**Inertness score**

**inertness of the food contact material**, which is used as a proxy for the propensity for potentially hazardous chemicals to migrate from the packaging into food and the environment

*based on expert judgement (materials without consensus get lowest score)*

**The CoC metric is work in progress** and contributes to the following efforts:
- Increase **transparency along the supply** chain
- Provide a pathway towards **safer chemistry in materials**
- Ensure **hazardous substances are limited or eliminated**
- **Close information gaps** by assessing and verifying safer materials
- Encourage and amplify **sustainable product innovations**

# Chemicals of Concern – used definition

A **chemical of concern (CoC)** is a chemical substance that has one or more of the following **hazard properties**:

Carcinogenic, mutagenic, toxic to reproduction [CMR]

Endocrine disruption [ED]

Persistent, bioaccumulative and toxic [PBT]

Very persistent and very bioaccumulative [vPvB]

Persistent, mobile and toxic [PMT]

# Ensure acceptance / use of the UP Scorecard

- **Full transparency**: fully accessible methodology, content, and supporters

- **Science-based methodology**: based on the latest science and expert judgment

- **Free and easy access**: available for everyone online and easy to use

- **Independent and broad-based community engagement**: developed and managed by an established multi-stakeholder group including leading global food service companies, NGOs, and technical experts

- **Consider wide variety of sustainability impacts**: broad spectrum of six different environmental and human health impacts considered

# Thank you!

**UPs**
Understanding Packaging
**Scorecard**

Thank you for your attention!
Let us know if you have any questions.

Web: https://upscorecard.org/

Mail: info@upscorecard.org

# Backup slides

# Outlook

In addition to further development/maintenance of the current beta version, further upgrades with new functionalities are planned/being discussed, including:

**Regionalization**
Choose from different default regions (USA, Europe, Asia, …) to calculate scores.

**Customization**
Use further options (add new container, …) to test your specific products.

**Metrics**
Get scores for additional metrics (real costs, biodiversity loss, …).

**Languages**
Choose between different languages (English, French, German, …).

**Products/container types**
Get more products/container types (reusables, bioplastic, …) to choose from.

**Connectivity**
Interact with/get data from other tools and databases (ChemSec's marketplace, …).

**Information**
Get further, easy to use information/materials (factsheets, infographics, …).

**Personalization**
Use an account option to test/provide your own materials/data.

**Further ideas?**
Let us know. We are very interested in user-based feedback.