NOVEMBER 2026

SERVICE OVERVIEW · STATEMENT OF WORK

Eaternity Score

The environmental rating for your products – on pack, on shelf and online. Built on open data, with ratings under independent assessment.

EmpCo

Ratings aligned with the ESFC EmpCo Scheme; initial assessment by Bureau Veritas under way

A – E

four ratings per Daily Food Unit – comparable across all categories, independent of pack size

Open

Data basis built on UVEK/BAFU life-cycle data, freely accessible and independently recomputable

Example label with illustrative values

Zurich, November 2026 · Eaternity AG · Siewerdtstrasse 95 · CH-8050 Zürich · info@eaternity.ch · eaternity.org

OVERVIEW

What the Eaternity Score does for you

You provide recipe and origins. We calculate how your product performs on climate, water, animal welfare and rainforest and deliver the label for your pack.

Calculate
Climate, water, animal welfare and rainforest for every product – from recipe, origins and manufacturing.

Rate
The A–E climate rating compares a product's carbon footprint per Daily Food Unit (DFU) with the average, across all categories: A and B below it, C to E at or above it; A more than 50% below. "Climate-friendly" means rating A.

Assessment
Aligned with the ESFC EmpCo Scheme: Bureau Veritas assesses methodology and rating procedure, then samples annually.

Label
The label on pack, shelf and in the online shop – in your design.

How your label is made – usually within six weeks

1 Questionnaire
Nutrition facts, recipe, origins, manufacturing and packaging – one questionnaire per product.

→

2 Calculation
Life-cycle assessment of every ingredient on open data. Where information is missing, we research it.

→

3 Your approval
You receive values, ratings and the results report and approve them.

→

4 Assessment
Bureau Veritas assesses methodology and rating procedure, then samples annually.

→

5 Your label
A print-ready label for the pack and the copy for your product website.

CO_2 values are factual information, ratings are labels. In our assessment, a rating such as A–E or three stars is a sustainability label towards consumers within the meaning of Directive (EU) 2024/825. That is why it is aligned with the ESFC EmpCo Scheme; the initial assessment by Bureau Veritas is under way.

INDICATORS

What we measure and what the label looks like

The label shows at a glance how your product performs – compared per Daily Food Unit and therefore across all product categories.

Indicator	What is measured	Result	Rating
Climate	Greenhouse gases from the farm to your factory gate, method IPCC AR6 (2021), GWP100.	g CO_2e	A–E
Water	Irrigation water, weighted by scarcity in the growing country.	litres	A–E
Animal welfare	Share of animal ingredients with a recognised welfare label; no animal ingredients: A.	share certified	A, B, E
Rainforest	Soy, palm oil and other critical commodities from certified or non-critical origin.	share certified	A, B, E

Methodology based on ISO 14040/14044. Documentation: eaternity.org/documentation

The A–E rating

The reference unit is the **Daily Food Unit**: a food's contribution to the daily requirement of energy, protein, fat, water and dry matter. The reference value is the consumption-weighted average: A and B are below it, C to E at or above it. **Climate-friendly** means rating A.

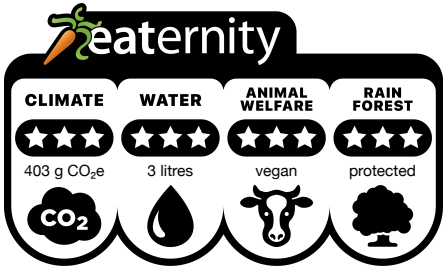
In the label: stars – our design proposal. The A–E rating is what counts: three stars for A only, more than 50% below the benchmark; two for B; one for C to E.

The rating thresholds are set and published under the EmpCo Scheme: empco.eaternity.org

What it looks like on pack

A real example: the Eaternity Score label on the front of a pack.

The label



With the values of the pictured pack.

On your product website

What the label rates: climate, water, animal welfare, rainforest – per Daily Food Unit · System boundary: from farm to factory gate · Rated by Eaternity under the ESFC EmpCo Scheme · Assessment status: empco.eaternity.org

Only the label goes on the pack. The explanation belongs on your product website – we supply the copy.

YOUR DATA

What we need from you

One questionnaire per product is enough. From it we produce the label, the results report and the copy for your product website.

per product

Questionnaire

One questionnaire per product: product and nutrition facts, recipe, origins, manufacturing, packaging and distribution. We help you complete it.

recommended

Documents

Declarations, specifications and supplier information speed up the research and make the value more accurate.

on request

Interface

For whole ranges we can also calculate through our interface (API) – talk to us.

Information in the questionnaire

Product	Pack weight and nutrition facts per 100 g, as on the nutrition table
Recipe	Ingredients and sub-ingredients with shares in %
Origin	Sourcing country or region per ingredient, e.g. “Argentina”, “Andalusia Spain”
Properties	State per ingredient (fresh, frozen, dried) plus organic and other labels, e.g. “RSPO”
Manufacturing	Site, production volume, electricity and heat use with grid mix and heating medium, water, wastewater, waste
Packaging	Primary and secondary packaging: material, weight, recycled content, dimensions
Storage, distribution	Storage time and temperature, transport legs, target markets with shares

What you receive

Results report
Values and ratings per indicator, contribution of ingredients and life-cycle stages, assumptions made.

Label and website copy
Print-ready label for your packaging and the explanation for your product website, in your language.

Assessment status
Confirmation to retailers and third parties on request; on request a public entry at empco.eaternity.org.

Pack weight, nutrition facts, recipe with shares and the origin of the main ingredients are required. Where information is missing, we research it or use the country’s real supply mix – and document the assumption.

DATA BASIS

What our values are built on

Open data, recomputable down to the single flow. This is how every value is built – from the product down to the single emission.

LEVEL		EXAMPLE
1	**Product** Recipe with ingredients and shares, manufacturing and packaging – from your questionnaire.	Muesli bar, per pack
↓		
2	**Ingredient** Every ingredient with origin, production, transport and state, as precisely as you provide them.	Oat flakes · Switzerland · lorry · dried
↓		
3	**Life-cycle dataset** One dataset per step: open UVEK/BAFU life-cycle data (about a third of the processes) or one of more than 70 open modules for livestock, field emissions, land use, greenhouses, processing, electricity and transport.	Oat farming · road transport · flaking · grid mix
↓		
4	**Emission flow** CO_2, methane, nitrous oxide and other gases – every flow with an uncertainty band and its source. Combined into g CO_2e.	CO_2 fossil · CH_4 · N_2O · CO_2 from land use

Result: four A–E ratings per Daily Food Unit (DFU) and the value in g CO_2e per pack

What this means for you

- ✓ **Open:** freely accessible data and publicly documented models – no licensed background data.
- ✓ **Recomputable:** you, your retail partners and the assessment body can trace every value down to the single flow.
- ✓ **With uncertainty:** every emission flow states how precise it is and where it comes from.
- ✓ **Tested:** every change to data or models runs against 600 published test cases – 350 of them packaged products.

Methodology based on ISO 14040/14044 · Data and models: lci-workbench-0d71e7.gitlab.io · Modules: gitlab.com/eos-lci · Applies from the 2026 CO_2 data update.

METHOD

From the field to your factory gate

What we model at each step – resolved by country, year and season instead of a single average.

1 Farming and livestock — IN THE RATING

Field emissions: nitrous oxide, ammonia, nitrate and soil carbon with the open SALCA method.

Livestock: methane per IPCC Tier 2 – for eight species, by husbandry and climate zone.

Land use: per commodity, country and region. Beef from Brazil: 85 kg CO_2e/kg at the deforestation frontier, 0.08 kg on old farmland.

Greenhouse: heating demand per crop, country and harvest month.

HEATING DEMAND TOMATO, HEATED GLASSHOUSE

2 Transport to you — IN THE RATING

Origin: where your information is missing, we determine from FAO trade statistics which country really supplies.

Transport modes: road, refrigerated transport, sea and rail – instead of an average lorry.

Route: from the country of origin to your site, chilled or frozen where the goods need it.

RESOLVED BY

mode · refrigeration · weight class · fuel · country · year

3 Processing at your site — IN THE RATING

Processing: over 400 steps from the literature – drying, milling, pressing, fermenting.

Your site: your energy and heat, with your country's grid mix instead of an EU average.

Yield: manufacturing losses count with their upstream impact.

ELECTRICITY GRID MIX 2023, KG CO_2E PER KWH

ADDED IN THE VALUE ON PACK: Packaging · Storage · Distribution

NOT INCLUDED: Preparation and use · End-of-life

The rating assesses recipe, origin and manufacturing – where products differ most and where you decide. The value on pack also shows the impact of packaging, storage and distribution.

Examples from the open modules at gitlab.com/eos-lci, presented in "An open climate database for food" (ESFC, 8 September 2026): eos-lci.gitlab.io/eos-lci-presentations

EMPCO · DIRECTIVE (EU) 2024/825

Ratings that stand up to assessment

Since 27 September 2026, sustainability labels must be based on a certification scheme with independent assessment. The Eaternity Score is aligned with the ESFC EmpCo Certification Scheme.

The scheme owner is the European Sustainable Food Coalition. Assessment is an ongoing process: initial assessment of methodology and rating procedure, then annual samples of real labels.

Eaternity takes care of	You take care of
Calculating and issuing the ratings under the published pathway	Show the label in your design, rating and scale unchanged; the explanation on your product website
Method and assessment status public at empco.eaternity.org; on request an entry for your company	Specific wording: “climate-friendly” for rating A only and explained, never “sustainable” or “climate-neutral”
Status confirmation to retailers and third parties	Report changes to recipe, origin or packaging before placing the product on the market
Advance notice of material updates, with the date they take effect	If a rating changes, adjust new print runs; stock on the market may be sold through (terms section 10.6)
Recalculation after changes and to the current state of knowledge	In a sample check: photo or sample of the pack

Assessment status

As of November 2026: the initial assessment by Bureau Veritas Solutions Denmark is under way. We publish the result and its scope at empco.eaternity.org; until then, the assessment status published there applies. Which ratings the assessment covers is published there too.

empco.eaternity.org

Pack and product website

- ✓ On the pack: the label – in your design, rating and scale unchanged
- ✓ On the product website: what the label rates, reference unit (Daily Food Unit), system boundary, reference to ESFC EmpCo and Eaternity – we supply the copy

14 Sep 2026
Bureau Veritas engaged

27 Sep 2026
Directive applies

Initial assessment
methodology and rating procedure

Statement
published at empco.eaternity.org

Annually
samples of real labels

STATEMENT OF WORK

Base package Eaternity Score

Services	Benefits	Comment	Cost in €
Setup per product			
Needs assessment, questionnaire and preparation of the product-specific data work (Science Eaternity).	Efficient, high-quality implementation.	You complete the questionnaire and provide recipe, origins and manufacturing data.	**€3,990 per product** incl. licence in year 1
Research of compound ingredients and missing information; linking each ingredient with origin, production, processing and preservation.	Complete, traceable calculation with a detailed ingredient analysis – the basis for your customers' trust.	Declarations, specifications and supplier information speed up the research.	included
Calculation of values and ratings, results report, label files and copy for your product website.	A label for pack, shelf and online shop that stands up to independent assessment.	Result usually within six weeks of complete data. You review and approve.	included
Licence from year 2 – two options			
Licence incl. updates: database, web service and brand; recalculation to the current state of knowledge and when recipe, origin or packaging change; maintenance of software and database.	Right to communicate values and label to customers and staff (terms incl. EmpCo module section 10); assessment status kept current; management, coordination, maintenance and support.	Recommended when recipes change or the label stays on pack long term. Invoiced annually in advance.	**€1,200 per product and year**
Label licence without recalculation: right to use label and values, assessment status and support.	Low-cost continuation for unchanged products.	The assessment is valid for 24 months from approval; after that, or after rating-relevant changes, re-assessment at €1,200.	**€400 per product and year**
Module: labelling climate-friendly products			
Placing your products in the rating levels; automatic calculation, labelling and display of results.	Labelling of climate-friendly products (rating A) under the communication rules of the EmpCo Scheme; CO_2 savings per product compared with the average.	Applies to product development as well as to communication.	included

Worked example: 3 products

	Year 1	From year 2
Setup 3 × €3,990, incl. licence in year 1	€11,970	–
Licence incl. updates 3 × €1,200 or label licence 3 × €400: €1,200	–	€3,600
Total	**€11,970**	**€3,600**

Ranges and variants

Every product (every recipe) needs its own assessment. For variants of a product line and from 100 products we offer package prices; for whole ranges we can also calculate through our interface (API) – talk to us.

STATEMENT OF WORK

Analyses, communication and additional services

Services	Benefits	Comment	Cost in €
Analyses and comparisons			
Comparison with another product, tailored and prepared for communication.	A substantiated comparative claim, e.g. against the original in your category.	Same reference unit, disclosed basis of comparison – under the rules of the EmpCo Scheme.	**2,790**
Comparison with a generic product, for internal use only.	Quick positioning for product development and purchasing.	Not intended for communication.	**129**
Detailed data package (Excel): ingredients, origins, transport, processing, packaging.	Identify the levers in recipe, sourcing and packaging.	Update of the data package: €580.	**2,500**
Written detailed report with project and full calculation description.	For sustainability reports, retailers or investors.	Needs assessment required.	on request
Marketing and communication			
Creative input on communication at the shelf and online; conveying goals and ideas to staff and retailers.	Sparring, review, copy and visuals – within the EmpCo communication rules.	As needed and by effort.	**1,250** per day
Free additional services			
Approval of your communication materials; answering consumer questions; reference on eaternity.org and press release to our network.	Safe, aligned communication and a shared success story.		free of charge

How to start

1. Confirm the offer
2. Kick-off and questionnaire per product
3. Calculation, questions and your approval
4. Label files and copy for your website

Manuel Klarmann · +41 44 797 97 96
mklarmann@eaternity.ch

Terms

Eaternity's General Terms and Conditions apply, incl. the communication guideline and the EmpCo module (version of 3 November 2026, eaternity.org/legal), in particular section 9 (Eaternity Score) and section 10.6 (pack and shelf claims). All prices in € excl. VAT, travel and expenses; management and administration are included. Setup invoiced in advance. The licence runs for one year from approval and renews automatically each year. You may cancel at any time in writing to the end of the following month.