

NGI

INTERNET OF HUMANS

UNLOCKING THE POWER OF DIGITAL COMMONS

15-16 NOVEMBER, 2023

#NGIFORUM23



The logo for NGI (Internet of Humans) features the letters 'NGI' in a bold, sans-serif font. The 'N' and 'G' are dark blue, while the 'I' is a lighter teal color. Below the letters, the tagline 'INTERNET OF HUMANS' is written in a smaller, dark blue, all-caps sans-serif font.

NGI

INTERNET OF HUMANS

NGI IMPACT STORIES

**Showcasing exceptional
contributions from NGI innovators**

NGI

INTERNET OF HUMANS

ALEXANDRE GAREL

Open Food Facts



AGENDA



OPEN FOOD FACTS



NGI IMPACT Highlights



THE SEARCH-A-LICIOUS PROJECT





OPEN FOOD FACTS

What we eat matters

URGENT action is needed.

Obesity rates growing globally for 50 years

39% of adults are **overweight**

13% of which have obesity

Food accounts for:

1/3 of greenhouse gas emissions,

70 % of drinking water consumption and

the majority of **packaging** waste.

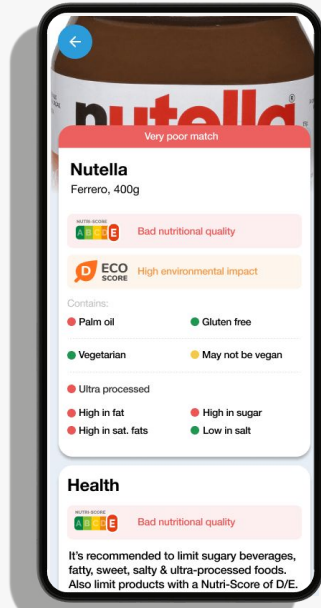


Sources:

WHO: <https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight>

Carbon Brief: <https://www.carbonbrief.org/food-systems-responsible-for-one-third-of-human-caused-emissions/>

Our Mission



Empowering
consumers, producers,
researchers, governments to
measure & change
**impact of food on our health
and on the planet.**



The world's largest open source food database

- Systemic role in **Nutri-Score** creation and spread
- Innovators with environmental impact labeling with **Eco-Score** experiment
- **2.8M+ food products** in over **160 countries**
- **2,9 M** users / month
- over 20,000 contributors
- re-used by **200+ apps** & services

NUTRI-SCORE



ECO-SCORE



NGI IMPACT

Highlights



Search makes information reachable

3 times a day, you ask yourself & answer questions about food !

There are answers in our database, **make them reachable**.

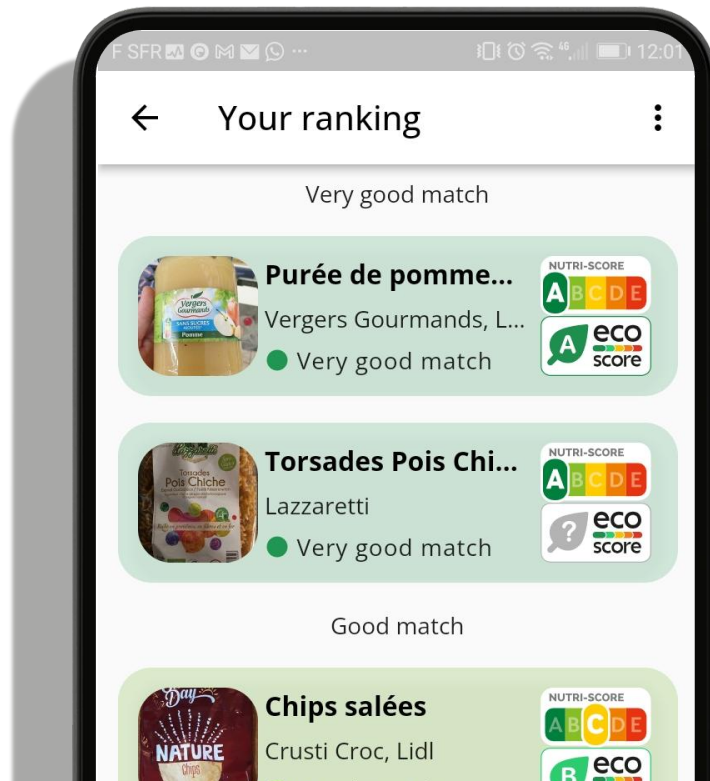
Our users have a variety of criteria to match

- healthy diet
- low environmental impact
- allergies, ingredients to avoid, ...
- ethical considerations, religious concerns, ...
- actual availability



Private & Personal food scoring

- Easy to use and **personalized**
- **Transparent** scoring
- **Privacy first** design (on device only)
- A strong highlight in our new mobile app
- Available on **mobile and web**





Private & Personal food scoring

- Available on all products
- Already reaches more than **1.5 million** users a month

A great match for you!

Product
Brand, 250g

NUTRI-SCORE
 Very good nutritional quality

 Low environmental impact

Contains:

- Palm oil
- Vegetarian
- Gluten free

[Tap to see more info...](#)

Folksonomy engine: describe anything !

- Self-service collaborative **product modelling**
- Helps our **quality team** coordinates on specific issues (**6000** faulty products fixed every month)
- Helps bootstrapping **Open Products Facts** to a larger usage

 open **PRODUCTS** facts



User properties (beta)

This properties are created and filed by users for any kind of usages. Be ε

Property 

Value

luminosity_in_lumens

250

Submit

 open **FOOD** facts

The world's largest open source food database

- **Help researchers** track very specific topics
- eg: how cartoons are used to promote unhealthy products
- Soon offering it to a wider audience

Property: packaging:character


You should find a [dedicated documentation](#) about this property on Open Food Facts wiki

List of products using this property:

Code	Values
4902124072788	Mario
4903333140251	Pikachu
3770013079153	Didier Raoult
3770013079351	Didier Raoult
4712966540020	Pikachu

Product Your criteria Health Environment Contribution

Poor match 46%



Ocean Bomb Sparkling Water
Pikachu
Flavour - 330ml

This product page is not complete. You can help to complete it by taking more photos using the app for [Android](#) or [iPhone](#).

Barcode: 4712966540020 (EAN / EAN-13)

Quantity: 330ml

Packaging: Metal, Recyclable Metals, Aluminium, Can

Brands: Ocean Bomb

Categories: Beverages, Carbonated drinks, Sodas

The Search-a-licious project



Search is a challenge

34 millions of search journeys end on Open Food Facts yearly

- they use GAFAM search engines (only 2% use our search)
- We are not yet matching their relevance and it's slow
- yet our logo is half a search icon !



The challenge

- Searching should be **as easy as in a good e-commerce**
- Favour **discoverability and simplicity**
- Make complex queries possible



Search-a-licious is born

- Deployed in production in a first version (not yet visible)
- Already **far more relevant** and **fast**
- With a **powerful API**
- Support for **many languages**
- A **re-usable brick** to help innovators quickly build apps on existing data collections
- a lot more to come !

The screenshot displays the 'Products search' interface. At the top, it shows '88,414 products' and options to 'Sort the 100 products below according to your preferences' and 'Explore products by categories'. A search bar is present with the placeholder 'Search by keyword'. Below the search bar, there are filters for 'Food categories' (Bakery, Bakery > Bagels, Bakery > Bakery Assortments, Bakery > Breads & Buns, Bakery > Cakes & Dessert Bars, Bakery > Coffee Cakes, Bakery > Cookies, Bakery > Cupcakes, Bakery > Donuts, Bakery > Fudge), 'Nutritional Quality (Nutri-Score)' (A, B, C), 'Degree of food processing (NOVA)' (Non-processed, Processed), and 'Environmental Quality (Eco-Score)' (A, B, C). There are also 'Labels' (Organic, Vegan, Vegetarian, Additives, Kosher, No Palm-oil, Active) and 'Categories' (contains, Beef sausage). The main content area is a grid of product cards, each featuring a product image, name, and Nutri-Score label. Examples include Nutella-Ferrero-400 g, Eau de sources-Cristaline-1.5 L, Prince-Lu-300 g, Coca-Cola-330ml, Nutella-Ferrero-1 kg, Oreo-Biscuits-Cake, Coca Cola Zero-330ml, Chocolate Excellence-Lindt-100 g, Nutella biscuits-304 g, Cruselli Mìlange De Noix-Quaker-450 g, Nems Au Porc-avec sauce tomate pimentée-Boni-240 g (8 x 30 g), NYcoffe-204 g, 17 g x 12, 8 mini brownie bites-Coop, Broccoli-generique-1 crup, Muesli Raisin, Figue, Abricot-Bjors-375 g, Nocciolata Pâte à tartiner au cacao et noisettes-Rigoni di Asti-270 g, Pur beurre de cacao-Jardin Bio-350 g, and Fourrés Chocolat noir-BIO-lyons-225 g.



Key stakeholders rely on search features

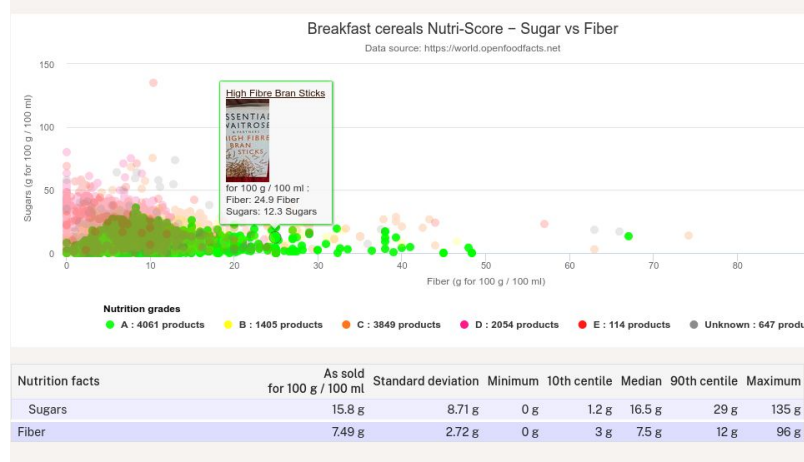
Supporting advanced scenarii for:

- **NGOs** and **Journalists** to find facts and evidences
- **Researchers** to formulate or tests hypothesis
- **Policy makers** to get insight on a rich market
- **Re-users** to cover specific use cases more easily for the benefit of many more
- **Contributors** use it to improve data quality

Breakfast cereals Nutri-Score – Sugar vs Fiber - Graph

→ [Change search criteria](#)

12147 products match the search criteria, of which 12147 products have defined values for the graph's axis.



THANKS!

The Open Food Facts Family



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