

Open Food Data

Welcome to the Open Food Hackdays Pitches

10/11 February 2017

Supported by

ENGAGEMENT
EIN FÖRDERFONDS DER MIGROS-GRUPPE



nutriMenu

MY
NM

nutriMenu Challenge

MAKING THE HEALTHY CHOICE
THE EASIER CHOICE



MY
NM

BUSINESS MODEL



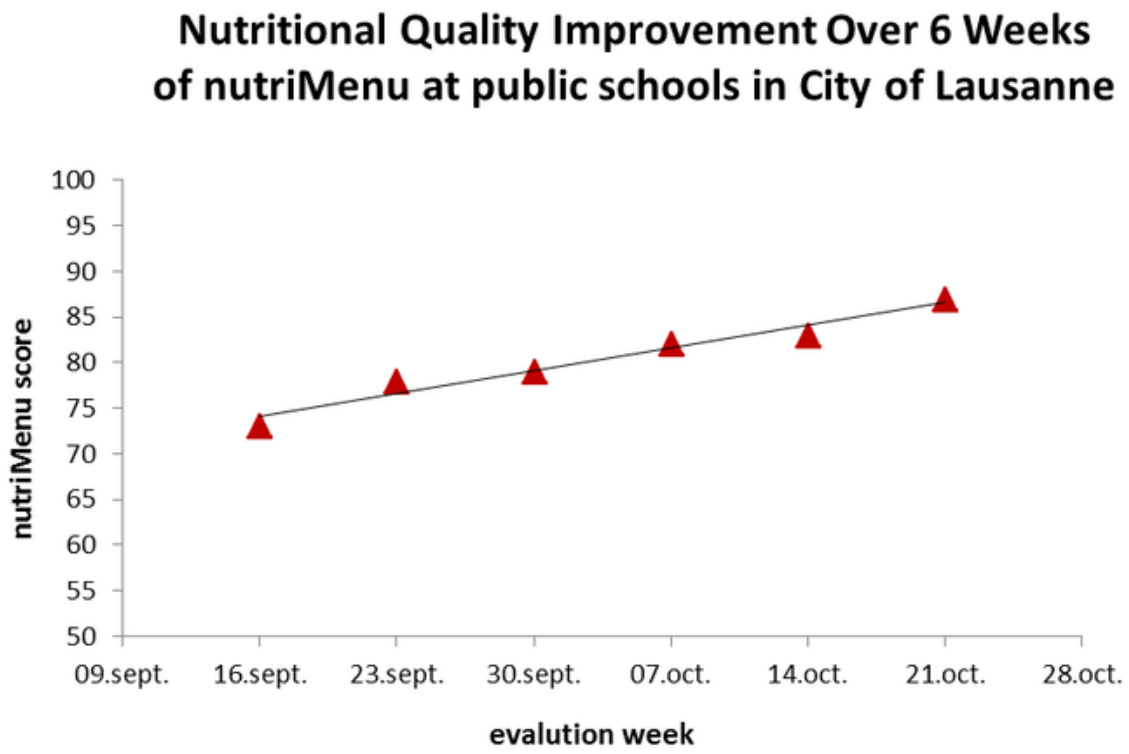


VP

HELPING RESTAURANTS OFFER HEALTHIER MENUS

NUTRIMENU RESULTS

nutriMenu was adopted by Ville de Lausanne and is being used by over 20 food production site. The evolution of the nutritional quality of the menus indicate a visible improvement in the average nutriMenu socres over six weeks.





VP

HELPING CONSUMER IMPROVE THEIR DAILY DIETS

MY
NM

TRACK

FEEDBACK

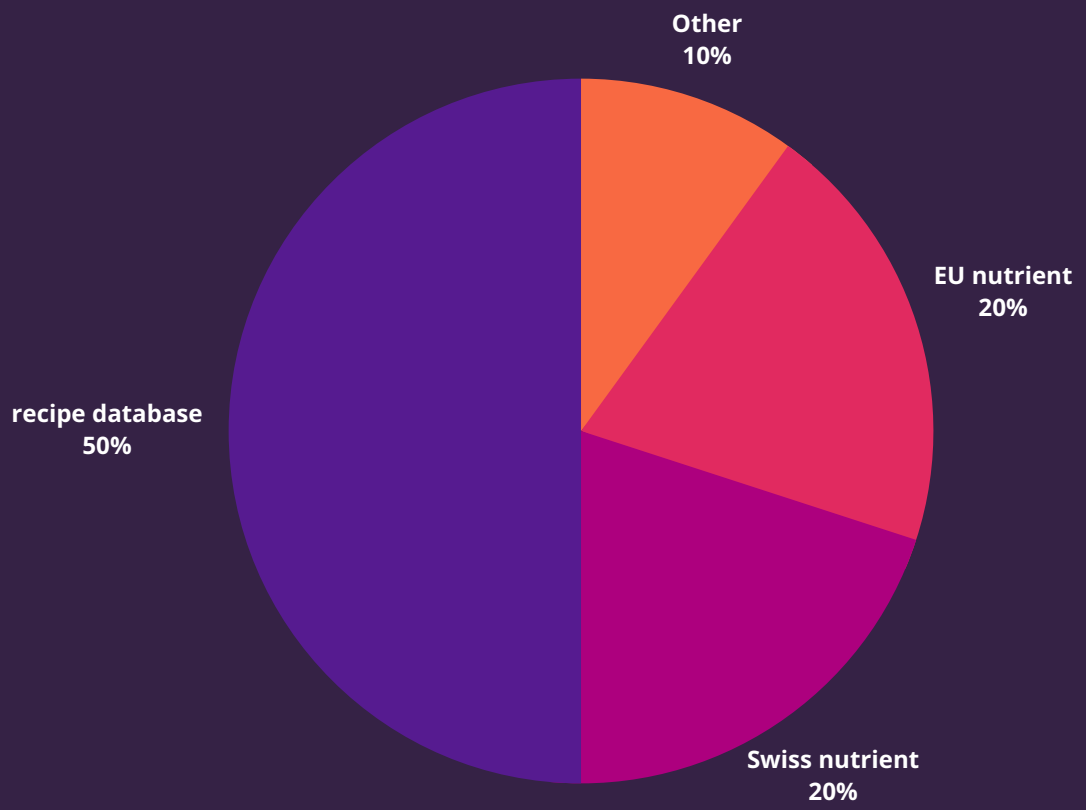


SEARCH

CONFORM

OPEN DATA SOURCES

https://manual.cs50.net/api/food
https://recipal.com/api-docs
https://spoonacular.com/food-api
https://developer.nutritionix.com
http://food2fork.com
http://product-open-data.com/
https://ndb.nal.usda.gov



MY
NM

nutriMenu DATA

DATA OBTAINED FROM NUTRIMENU CAN HELP IMPROVE PUBLIC HEALTH ISSUES



FOOD CONSUMPTION PATTERNS IN CH



PUBLIC HEALTH RESEARCH AND GUIDELINES



TARGET SPECIFIC HEALTH INTERVENTION

MAKING THE HEALTHY CHOICE THE EASIER CHOICE

NUTRIMENU



Enriching Openfood Database

Enriching OpenFood database



Didier Dupertuis *Programmer*
Sina Rüeger *Data scientist*
Angéline Chatelan *Nutritionist*

OpenFood Database

Only legally required nutrient values

What about vitamins, minerals, etc?

OpenFood Database

Only legally required nutrient values

What about vitamins, minerals, etc?



Enrichment of Database

OpenFood DB

15 000 foods

7 nutrients



SwissFood DB

966 generic foods

33 nutrients

Practical challenges

OpenFood DB

Qualité & Prix Le Gruyère surchoix

Energie: 1640 kJ **Salt: ? g**



Practical challenges

OpenFood DB

Qualité & Prix Le Gruyère surchoix

Energie: 1640 kJ **Salt: ? g**



SwissFood DB

Best match

????

Practical challenges

OpenFood DB

Qualité & Prix Le Gruyère surchoix

Energie: 1640 kJ **Salt: ? g**



SwissFood DB

Gruyère, gras / Greyerzer, vollfett

Best match

Names

Practical challenges

OpenFood DB

Qualité & Prix Le Gruyère surchoix

Energie: 1640 kJ **Salt: ? g**



SwissFood DB

Gruyère, gras / Greyerzer, vollfett

Energy:1650 kJ

Best match

Names
Nutrient profiling

Practical challenges

OpenFood DB

Qualité & Prix Le Gruyère surchoix

Energy: 1640 kJ **Salt: 1.45 g**



SwissFood DB

Gruyère, gras / Greyerzer, vollfett

Energy:1650 kJ Salt: 590 mg*0.0025

Best match

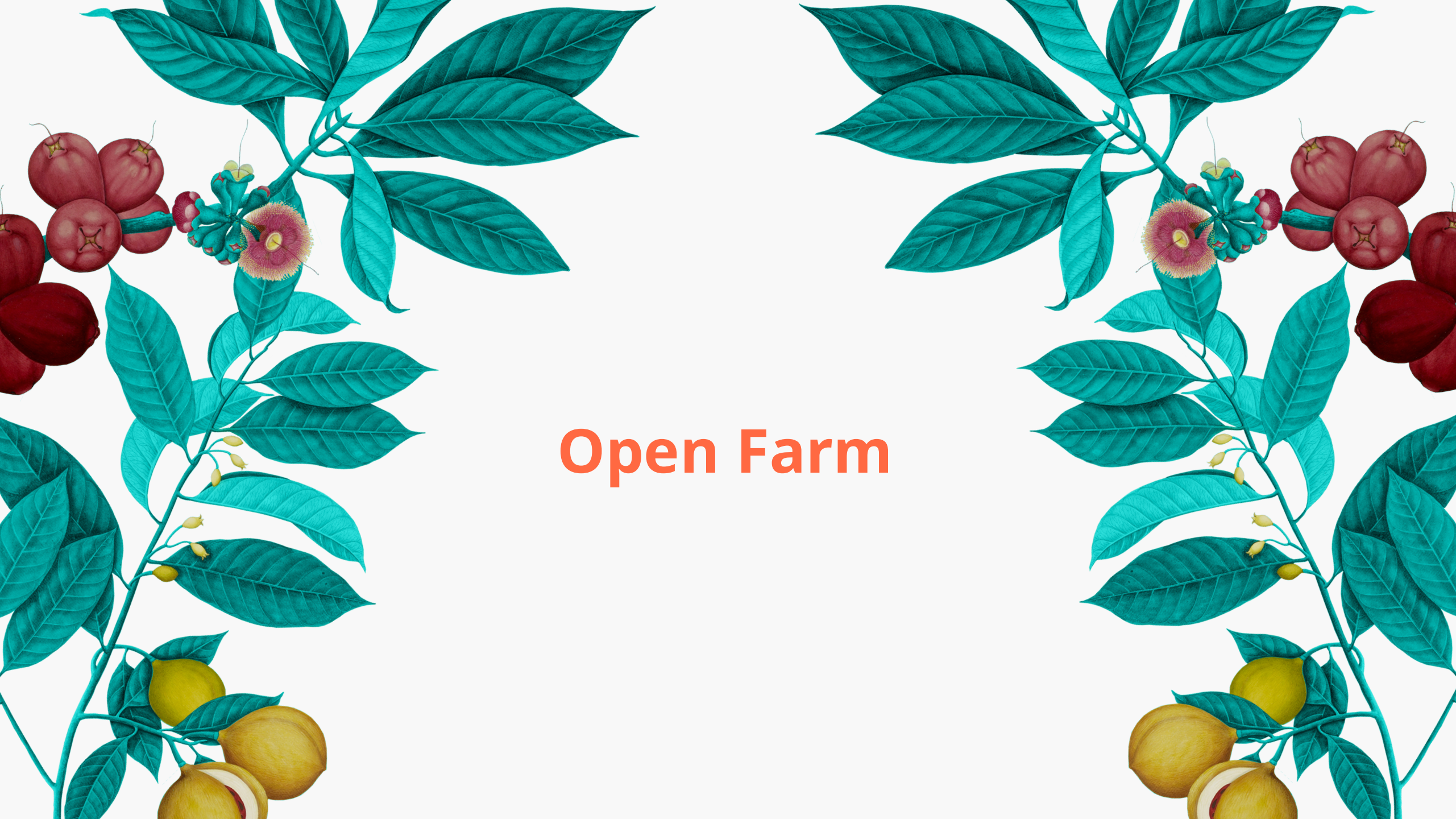
Names
Nutrient profiling

OpenFood Database

OpenFood DB

15 000 foods

7 nutrients
+
26 estimated nutrients



Open Farm



OPEN FARM

- Max Carrel
- Valentin Tombez
- Thomas Wegener
- Rémi Tognet
- Stefany Krauth
- Aurélie Barberis

Open Food Hackdays
February 10-11, 2017
Lausanne & Zurich

OPEN FARM

Open farm

WHY?

OPEN FARM

Open farm

WHAT?

OPEN FARM

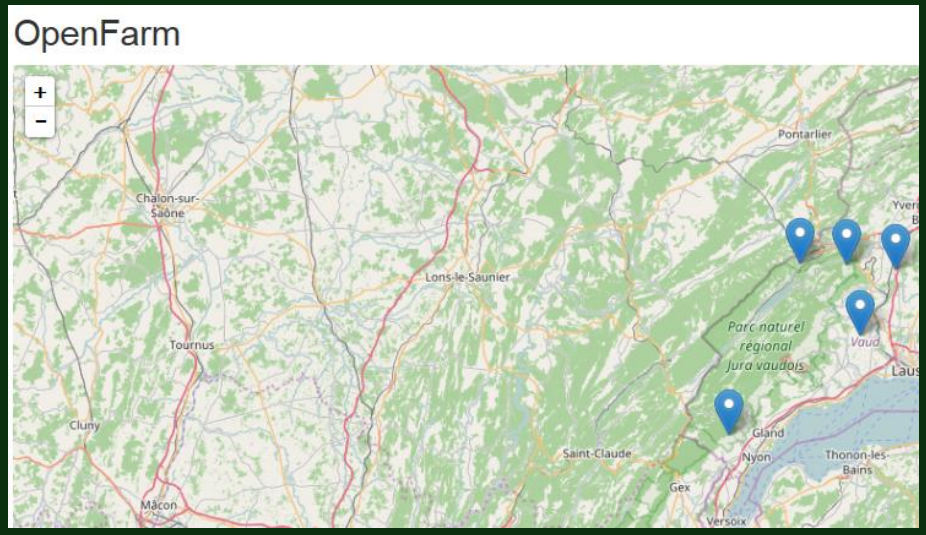
Open farm

TO WHOM ?

OPEN FARM

Open farm

The database is linked to a map that allows for easy access



Where can I buy the products?

What is in season now and what is available today? Bio?

What would it cost me?

When is it open? Or only on appointment?

Do I pick it myself? Is it pre-packaged? Cleaned? Is there a minimum quantity?

OPEN FARM

Open farm

GREAT FUTURE…


wisepik

wisepik

Life is like a box of chocolates.
You never know what you're gonna **get** !

CUMULUS
last 2 weeks tickets

( ) -> ( ) -> ( ) ->

title -> **Product**

nutrients()

What is missing ?

OPENFOOD

L'artichaut



taste
allergy

http://rebrand.ly/wisepik

Food & Me

Product Identification

search for your foods...



Allowed or Not?

Go ! the products fits your need

Ooops ! may contain unwanted ingredients

Stop ! not for you !



My Restrictions

ingredients & food preferences



OPEN FOOD FACTS
the free food products database

Food & Me

Choosing the right food FOR you !

Demo



Food & Me

https://foodandme.github.io/foodandme/

Alternative Products



SEE ALTERNATIVE PRODUCTS

Prezi

Présentation: http://prezi.com/-tadtmqnooe7/?utm_campaign=share&utm_medium=copy



Food-Boarding

FOOD-BOARDING

Aurélien Soccard - Teo Stocco
@asoccard - @zifeo

Open Food hack days
10-11/02 - EPFL

I want to eat some pasta

FOOD-BOARDING

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Open Food hack days
10-11/02 - EPFL

I want to eat some pasta

I want some chicken

?

WHERE TO EAT ?

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WHERE TO EAT ?



A slack to find a restaurant where everyone can eat what he appreciates

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A slack to find a restaurant where everyone can eat what he appreciates

Lunch at 13:00 around Lausanne with @asoccard

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WHERE TO EAT ?

12:44

Bar et Quinoa : Filet de bar en croûte de Quinoa, "Upma" à la moutarde, sauce "Kalia Lucknowi", petites courgettes, tomates Tom Berries

CHF 69.0 (29KB)



1

card

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CHF 69.0 (29KB)



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TEXAS LOVERS , assortiment 18 pièces

CHF 25.0 (12KB)



1

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Patrick Barbey

Innovaud

innovaud

Open Food Data



VAUD

Our Mission

Innovation support agency

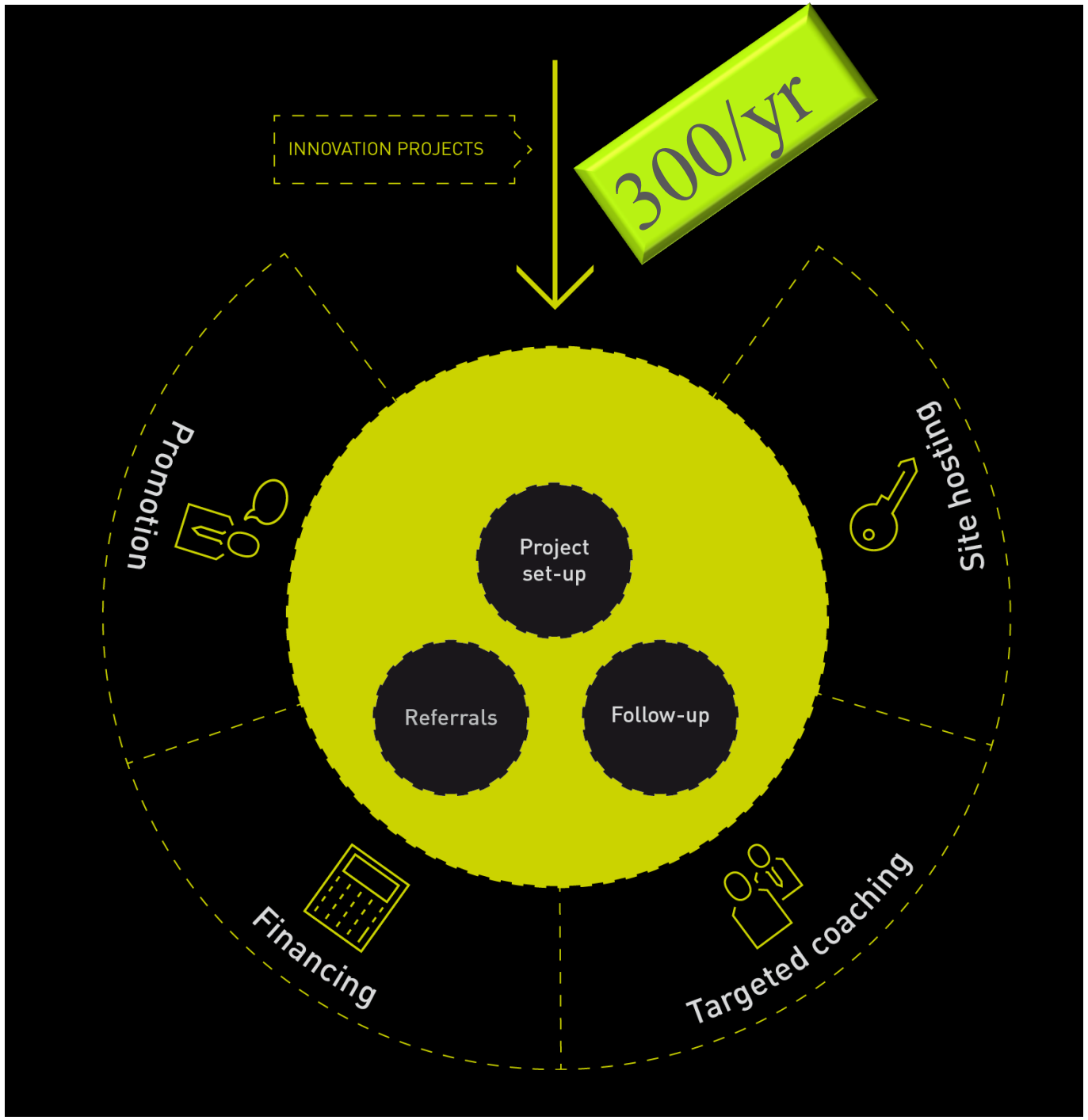
- **One-stop shop** for innovative projects
- For SMEs, **startups**, innovators
- **Catalyst** between applied research and industry

Priority domains are

- Cleantech
- ICT
- Precision engineering and innovative materials
- Life Sciences
- **Agritech / Nutrition**
- Sports Tech

innovaud

Our Mission



innovaud

Finance

FIT grant – 100k

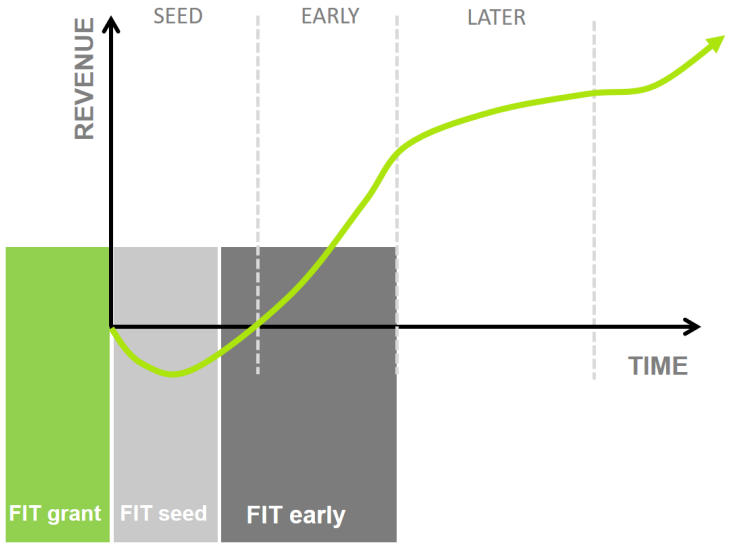
- Prototype/proof of concept

FIT seed (loan) – 100k

- 0% interest
- personal guarantee

FIT early (loan) – 500k

- matching : 1.- invested = 1.- loan
- 5% + 5% interest
- no personal guarantee



FIT – 2016

Supported projects/startups: 22

Total amount: 4.1 MCHF

3 examples

FIT grant (8)	FIT seed (9)	FIT early (5)
Lymphatica	Sterilux	Nanolive
Darix Vizir	Lambda Health System	Saphetor
FiberID	Insolight	BestMile

TOP 100 Swiss Startups 2016

29 startups in the top 100 are based in Canton of Vaud

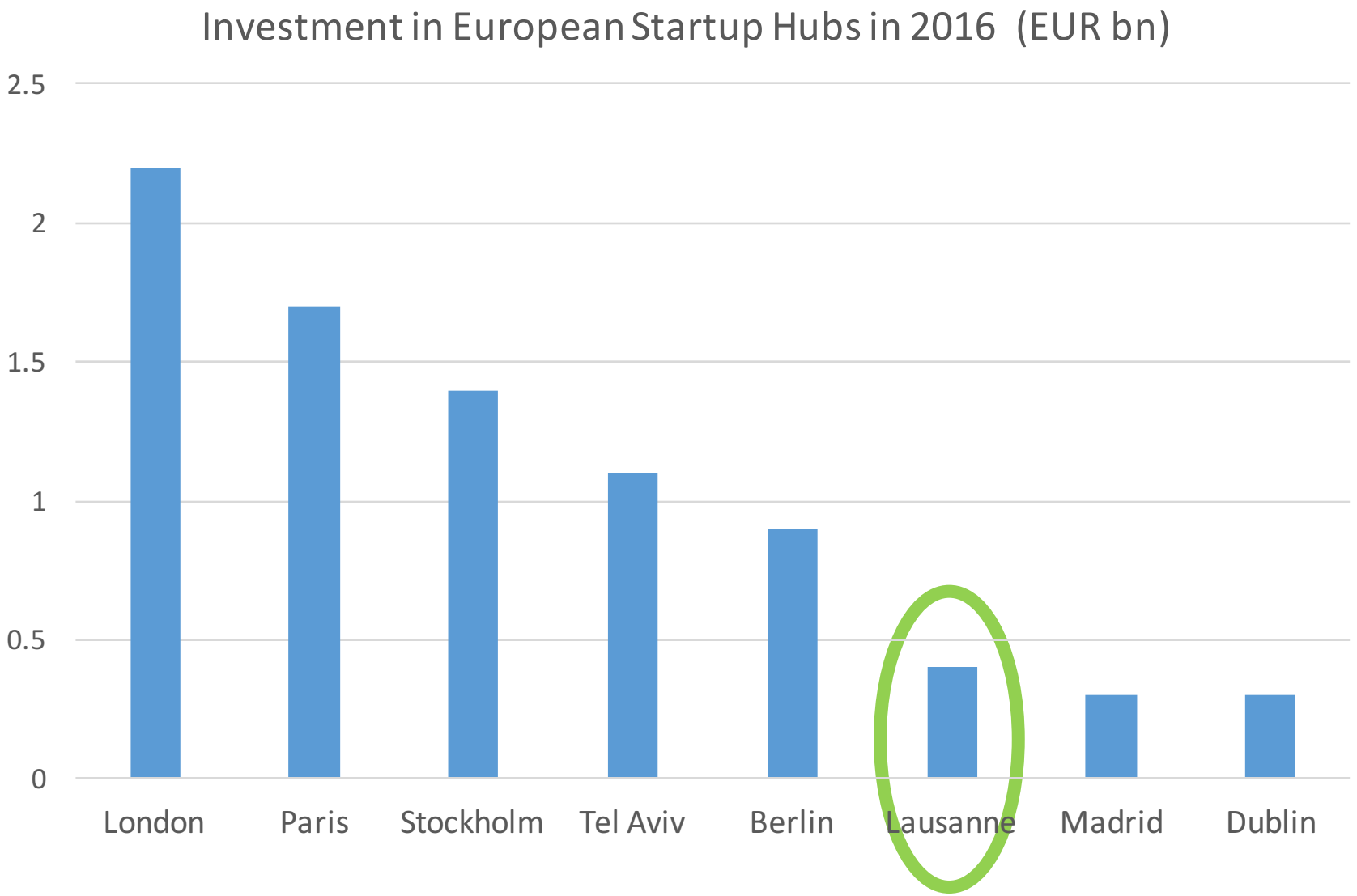
50 % of TOP 10 are in **VAUD**

1. **L.E.S.S**
2. Bcomp
3. Knip
4. **Flyability**
5. **Sophia Genetics**
6. Ava
7. Bexio
8. Amal Therapeutics
9. **Gamaya**
10. **Lunaphore**

TOP 100 STARTUP AWARD

innovaud

Vaud as a hidden champion



Source: Dealroom.co, Swiss Venture Capital Report

innovaud

Thank you

- @innovaud
- www.innovaud.ch
- Newsletter
- Innovaud App

innovaud

FIT
fondation
pour l'innovation
technologique





Juliette Ancelle

Id Est Avocats

id est avocats

Technologies avancées
Propriété intellectuelle
Droit commercial

6 avocats spécialisés travaillant en équipe

- Conseil dans la mise en place de plateformes de crowdfunding
- *Open source* et *open content*
- Rédaction ou revue de conditions générales
- Représentation des sociétés auprès des autorités
- Mise en conformité (protection des données)
- Accompagnement dans des stratégies de "transformation numérique"
- Réseau établi de correspondants spécialisés en Europe, aux Etats-Unis et en Asie.

BY-NC-ND

- Proud legal partner of this Open Food Data Hackaton!
- We will provide legal assistance and strategic advice to selected projects (2 x 3h)
- You will submit your legal queries through the email address food@opendata.ch
- Congratulations to you all!

BY-NC-ND

id est avocats



Yuzou

Yuzou

Discover local food
markets of the world !


Millions



Foodies Photo Inventory

Evidence Based Health Claims

Socio Cultural Travel Experience


Yuzou

2017 Key Global Tourism Trends

Food Tourism

Mobile Photography

Active & Responsible Tourism


Yuzou



Discover local food markets of the world !



Yuzou

Discover local markets

Authentic food experience from around the world.



Explore Local Markets

Where

Search

32

all updates | 78 | 32 | 98



Dan Beard



122

12 COMMENTS

Sunday Wet Market
Penang, Malaysia



Dan Beard



122

12 COMMENTS

Sunday Wet Market
Penang, Malaysia



Dan Beard



122

12 COMMENTS

Sunday Wet Market
Penang, Malaysia

Yuzou

Anna Banana



Biodiversity

Featured Entries

- SHOW ALL
- VIDEOS
- MUSIC
- BLOG POSTS

16



Banana

Today, bananas are grown in at least 107 countries and are ranked fourth among the world's food crops in monetary value.



Red Banana



White Banana

34252 Posts

#localmarket

#banana













Add a picture

Your Market Experience

Food Facts

Other Recepies

Food Facts

Other Recepies

155

One banana contains only 105 calories

READ MORE ...

155

Bananas are grown in 135 countries

READ MORE ...

145

Sport & Banana

Quick boost of energy !

12 COMMENTS

Bananas are a good source of potassium ...

READ MORE ...

324

" I remember watching my grandfather baking his famous banana bread "

DISCOVER LOCAL RECIPES



24 COMMENTS

94

Healthy Banana Brownies

18 COMMENTS



324

Travel Story

monkey holding a banana on it's head ...



18 COMMENTS

221

hello ! welcome to my daily routine ...

18 COMMENTS

Explore Local Markets

Where: Colombia | When: Check In → Check Out | Guests: 1 guest | Search



Dan Beard



122

12 COMMENTS

El Pablado Medellin Market Fruit Tour & Tasty Dinner

102CHF



Jarvis
The Nutritionist

Jarvis the nutritionist

Jarvis is :

- Smart
- Helpful
- Trustworthy
- Not judging



Christian Abbet
Jacky Casas
Nathan Quinteiro

Technologies

- Microsoft Bot Framework
- LUIS (Language Understanding Intelligent Service)
- quaggaJS
- Python Flask API

Jarvis the Nutritionist bot Media

Nathan 12:44:58 PM

salut

Jarvis the Nutritionist 12:45:01 PM

Salut, j'espère que tout roule pour toi ! Je suis expert en nutrition, demande-moi des trucs ;-)

12:45:02 PM



Bienvenue

Tutoriel

Je suis là pour vous aider, je suis nutritionniste après tout. Je suis intelligent, sympa et neutre, en plus je ne vous juge pas.

Envoyer une photo de code bar | Envoyer les chiffres d'un code



Bienvenue

Tutoriel

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Envoyer une photo de code bar | Envoyer les chiffres d'un code

Nathan 12:45:07 PM

t'es qui?

Jarvis the Nutritionist 12:45:12 PM

Je suis Jarvis le nutritionniste. J'ai été créé par Nathan, Jacky et Christian lors des Open Food Hackdays à l'EPFL les 10 et 11 février 2017.

Plus d'infos ici : https://github.com/JarvisMesper/jarvis-the-nutritionist 12:45:13 PM

> GitHub
> **JarvisMesper/jarvis-the-nutritionist**
> jarvis-the-nutritionist - Jarvis is here to help you for your groceries! He's smart, kind and neutral, he won't judge you.

Write a message...

SEND

Jarvis the Nutritionist bot — Media — Edit



Nathan 12:53:32 PM



coca.jpg 18 KB
Download Open

Jarvis the Nutritionist 12:53:36 PM

J'ai bien reçu l'image, laisse-moi juste le temps de l'analyser...

Ok... Il s'agit de : Coca-cola : zero 12:53:38 PM
https://d2v5oodgkvnw88.cloudfront.net/uploads_production/image/data/44125/large_myImage.jpg?v=1471507718



Write a message...

SEND



Telegram 1/16/17
Telegram Desktop for your …

Jarvis the Nutritionist bot — Media

https://d2v5oodgkvnw88.cloudfront.net/uploads_production/image/data/44125/large_myImage.jpg?v=1471507718



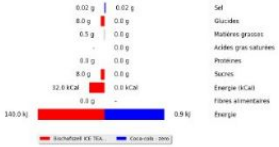
Nathan 12:56:57 PM

compare ces produits

Jarvis the Nutritionist 12:56:59 PM

Je compare volontiers les produits avec les code-barres 76168352 et 5449000131836. Voici un graphique comparatif :

12:57:02 PM



essai.png

Write a message...

SEND

Demo

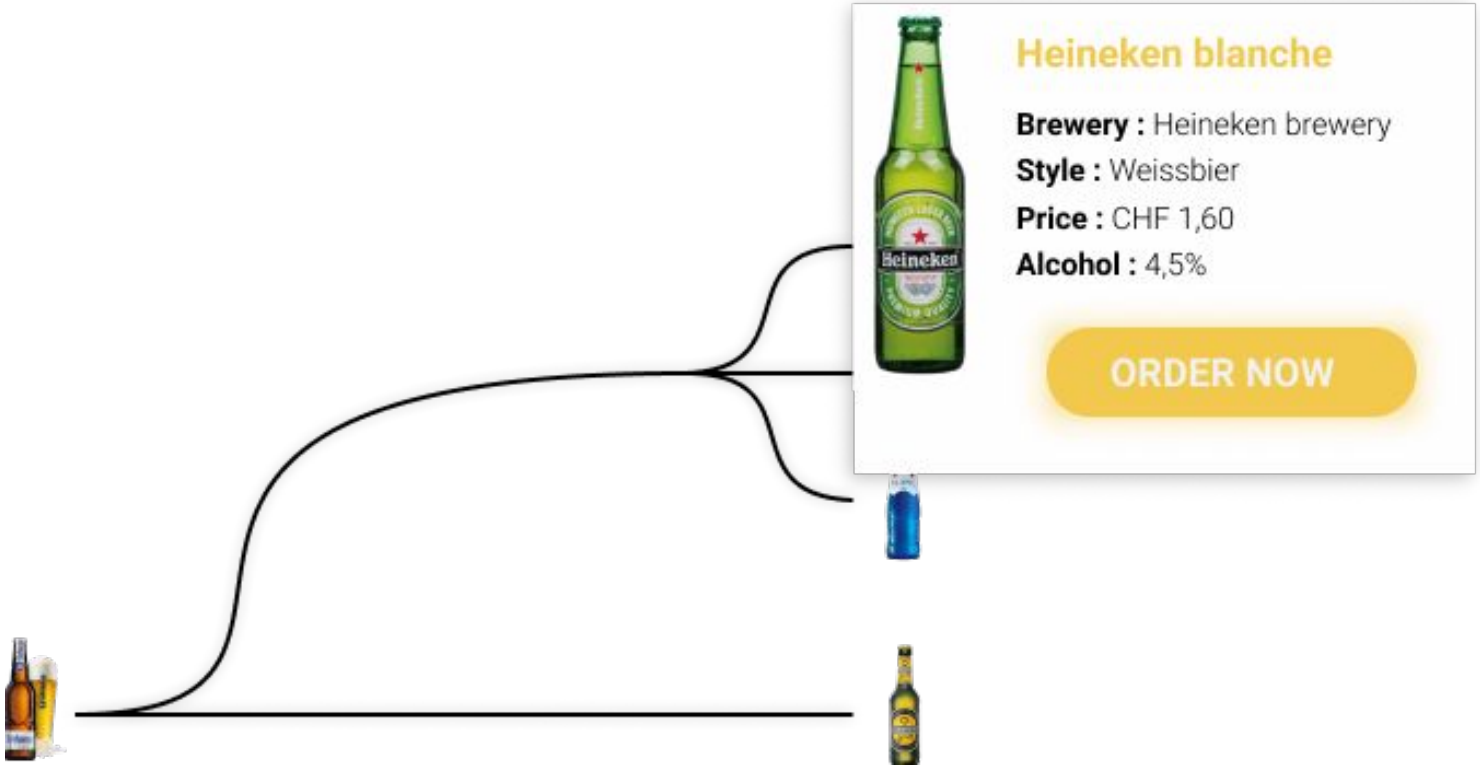

T.Hanks



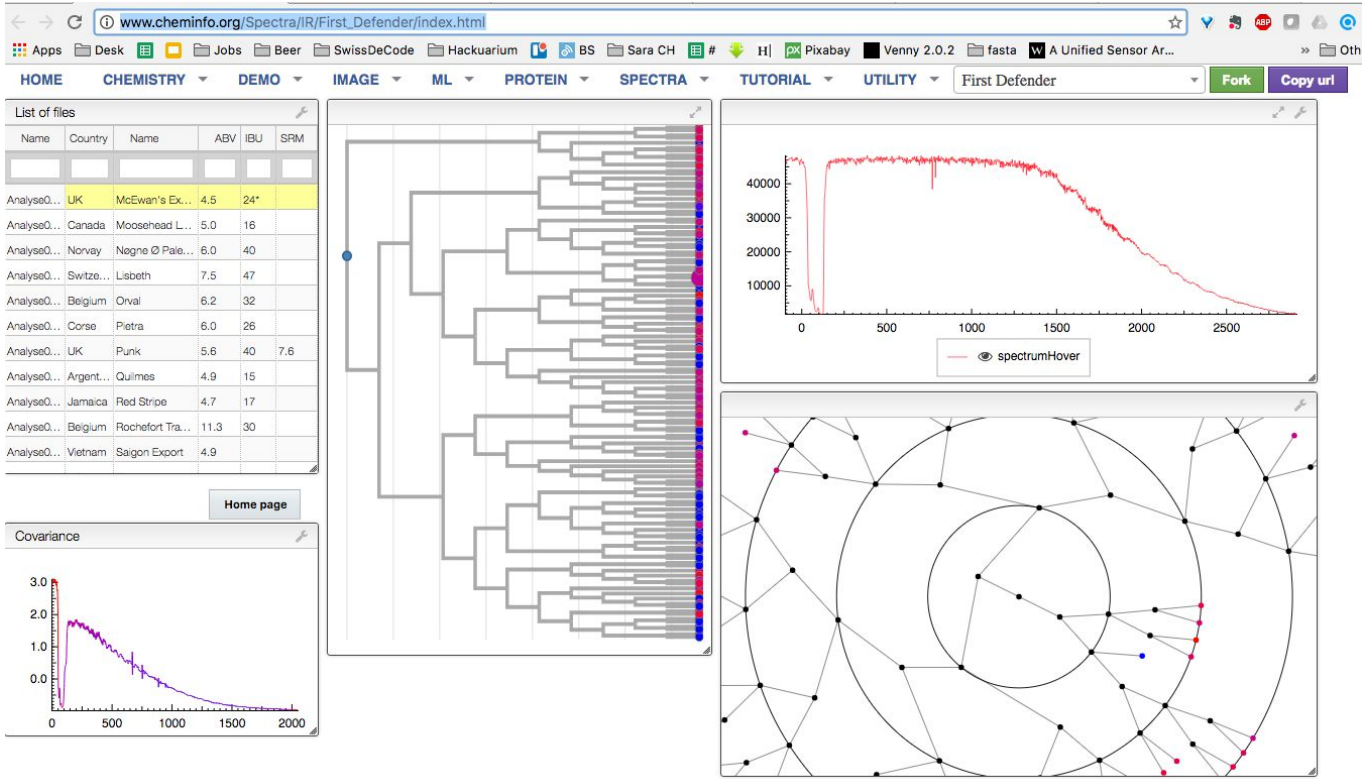
BeerDeCoded


BEER
DECODED
Spectometrie raman
~120 beer samples
Opened under CC BY license

BEER
DECODED



BEER DECODED



BEER
DECODED

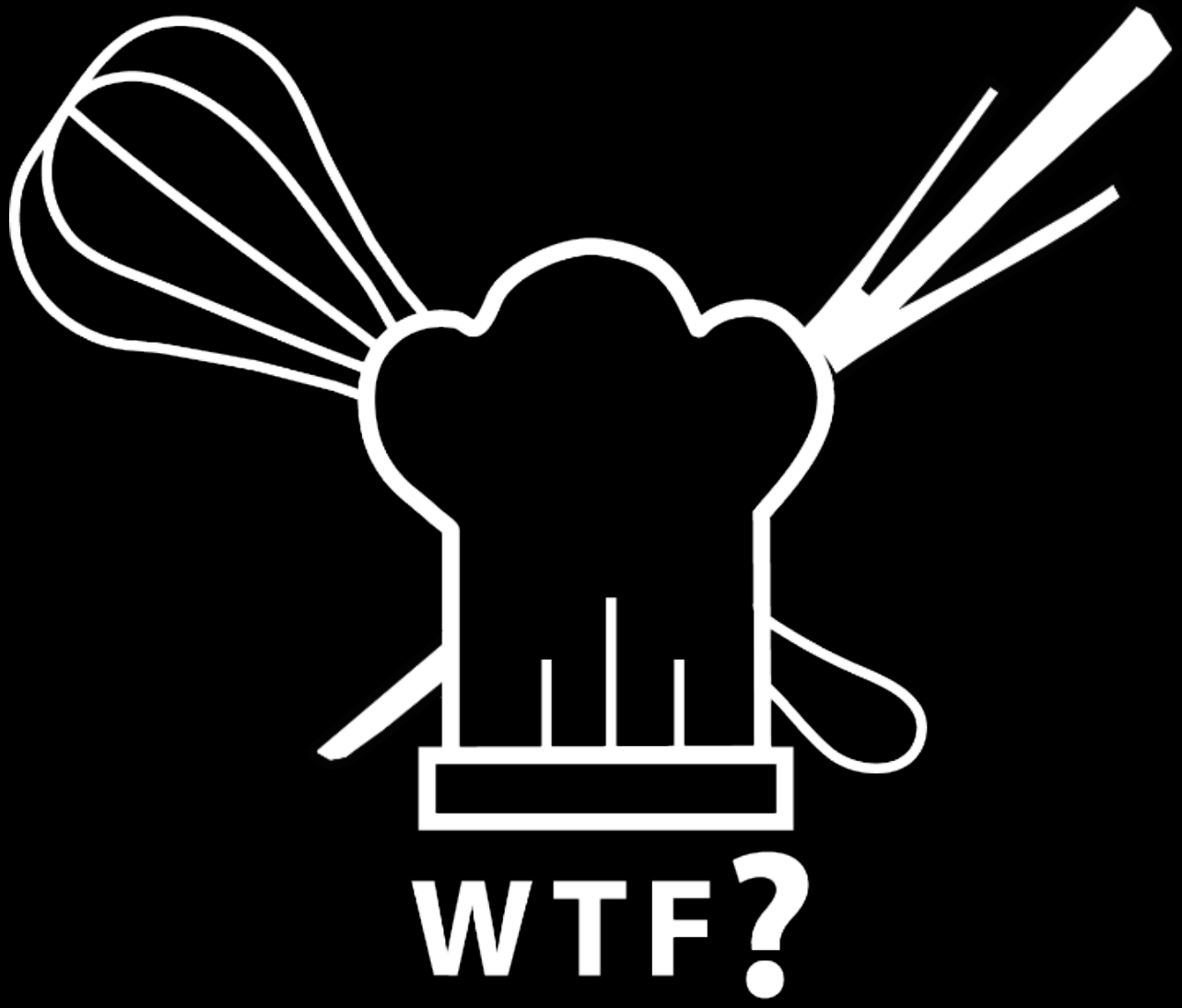





BEER
DECODED
THANK YOU !
www.genome.beer
@beerdecoded



WTF
What The Food?!


WTF?

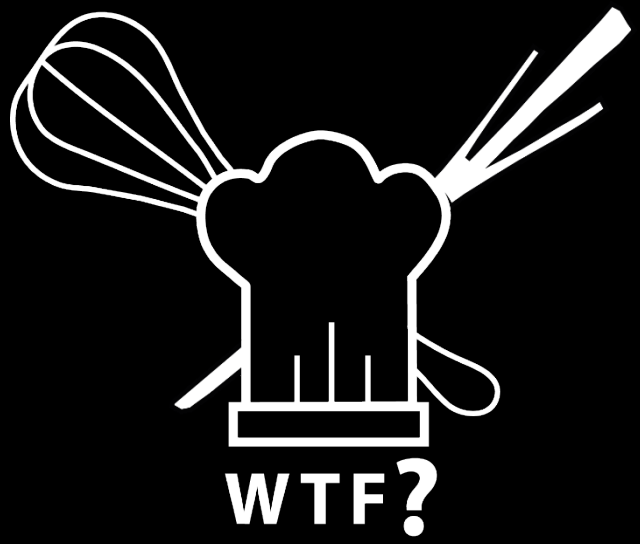
2. Choose recipes





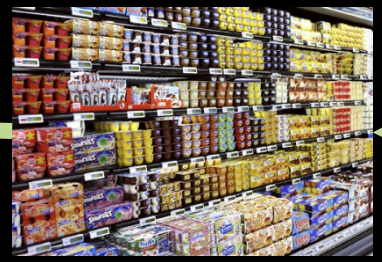
1. Scan products





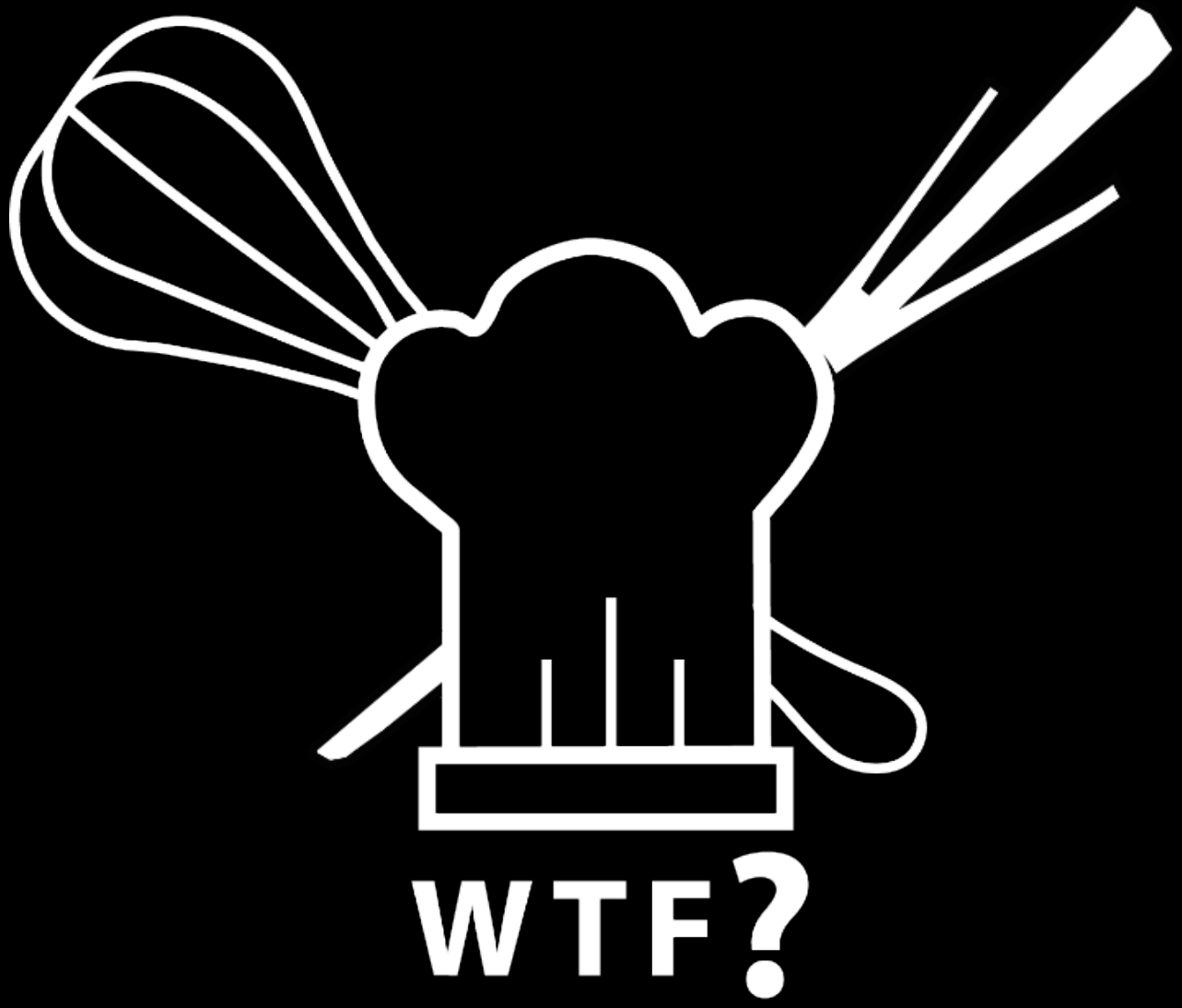


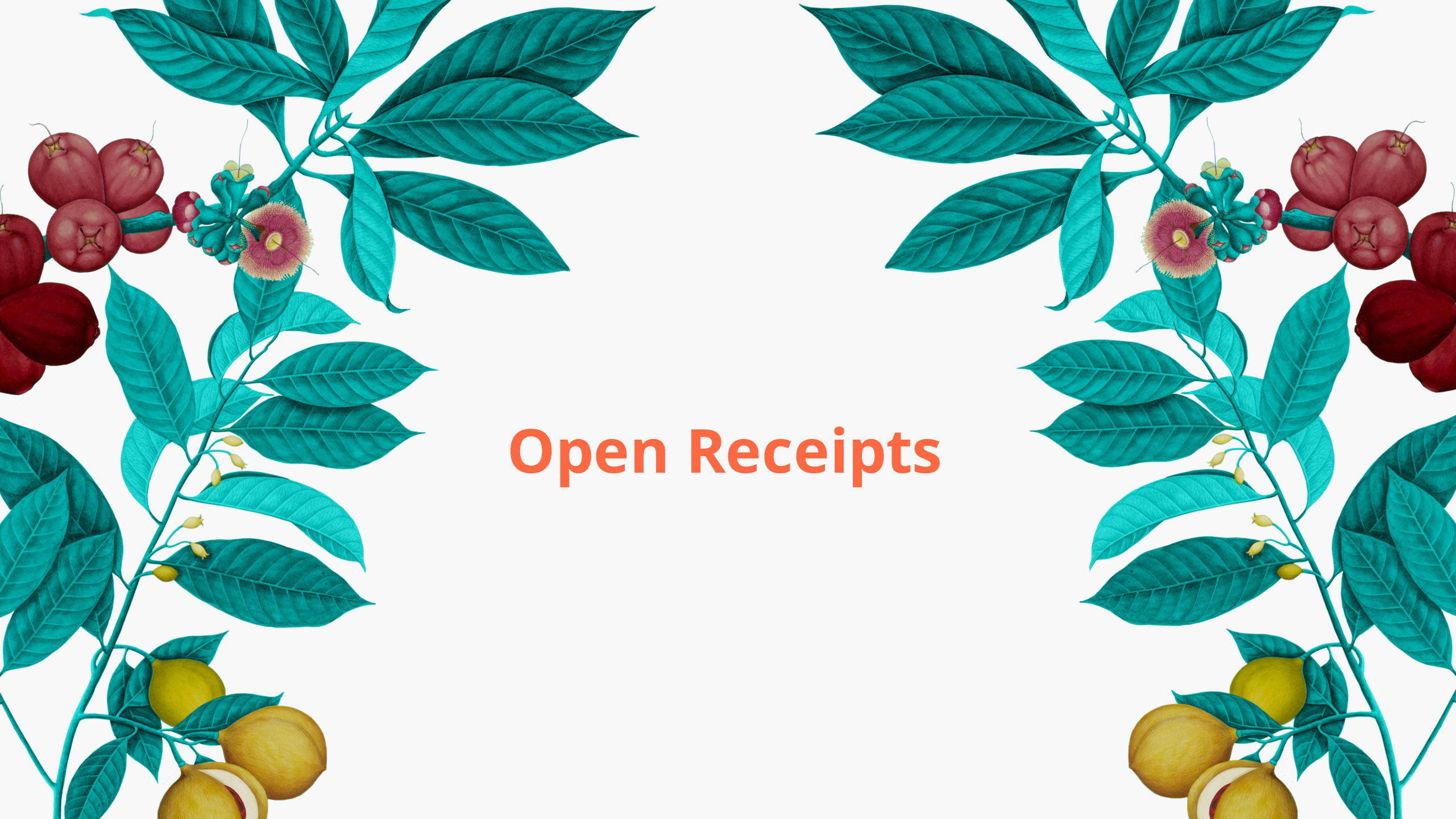
3. Get help to cook



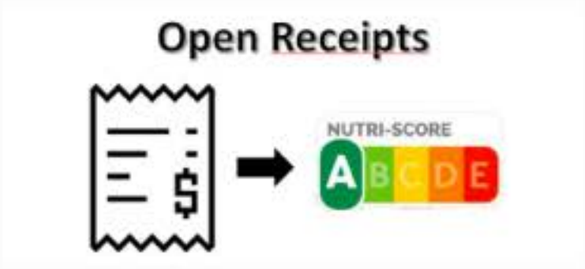


4. Make the best shopping list


WTF?



Open Receipts



Launching 56 ☆ JOIN

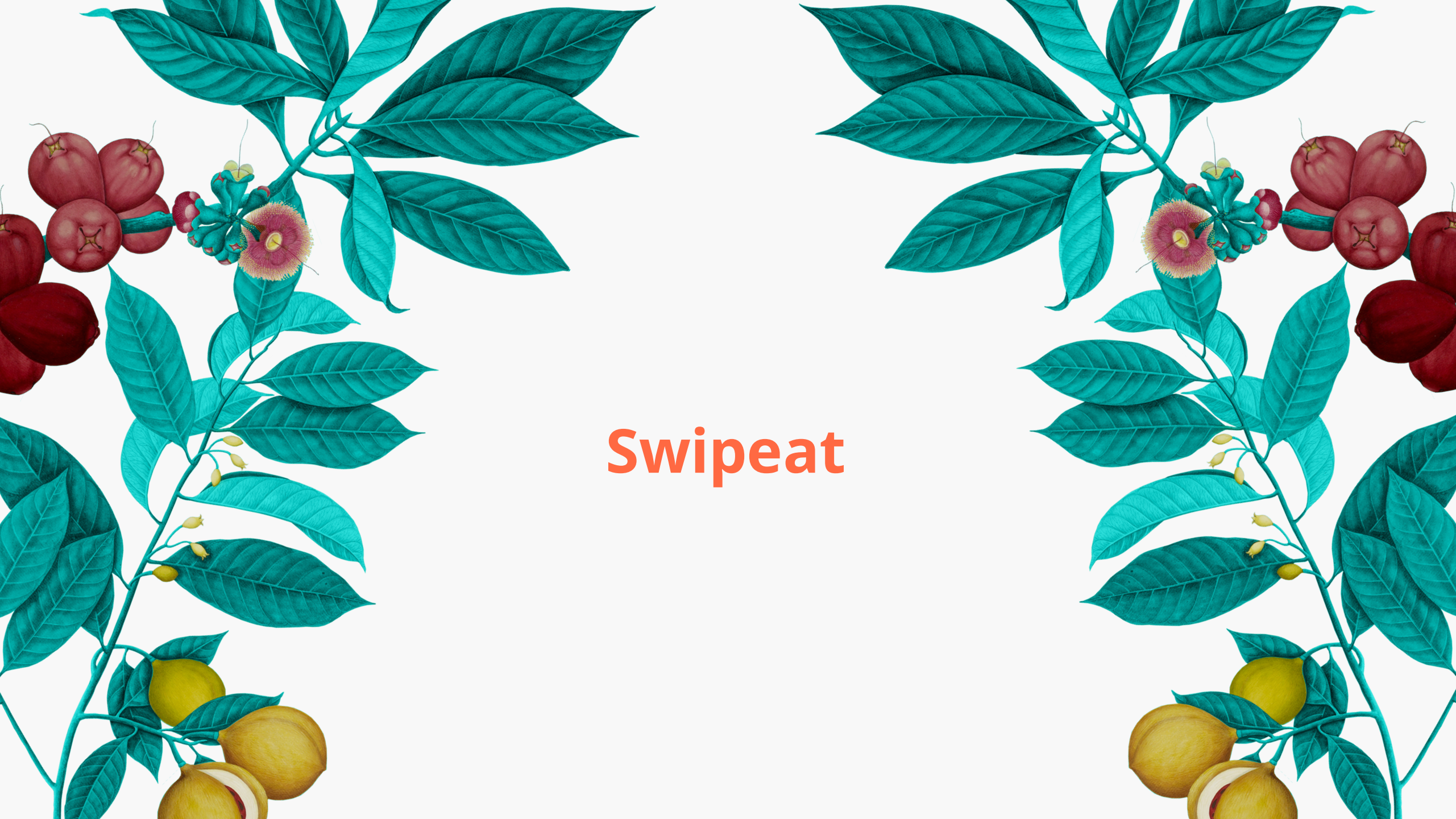
Open Receipts

Lausanne

A cool app to turn your food receipts into data: calories, allergies and more

A cool app to turn your food receipts into data: calories, allergies and more We're using Python/Django as a backend, a Cloud OCR system. We'd like to get this working on a mobile using either HTML5 features (camera pictures, uploads) Also, we'd like to show stats, so if you have knowledge of JS visualization libraries, also welcome :-)

Source code » | Contact team

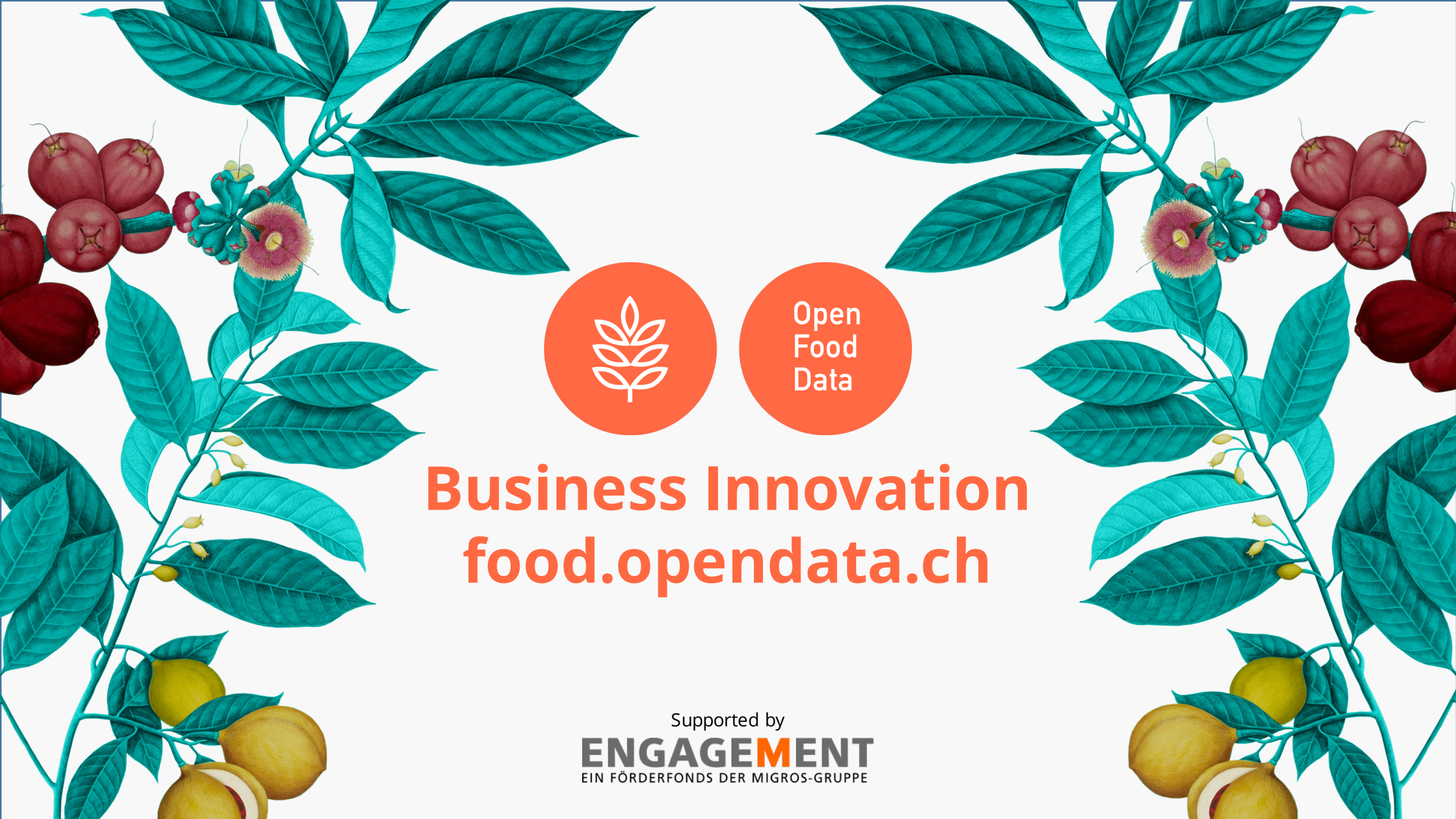


Swipeat



GROCERIES MADE EASY

Albert Brugués | Guillaume Heusch | Loïc Jaouen | Nadia Stebler | Nils Schaetti
Pavel Korshunov | Sebastien Vermeille



Business Innovation
food.opendata.ch

Supported by

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EIN FÖRDERFONDS DER MIGROS-GRUPPE

2/1000

Open Food Data

DIGESTION



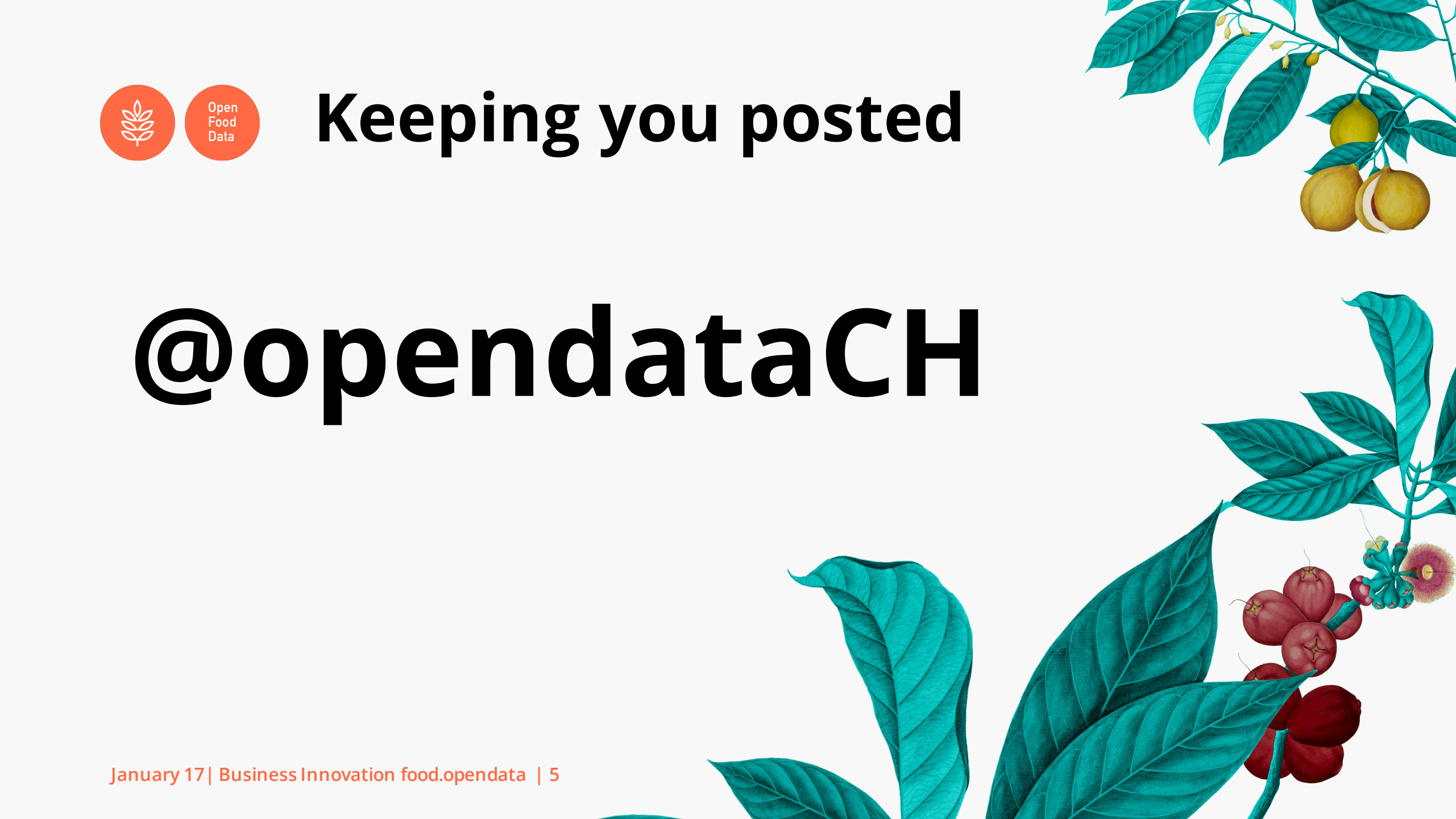




INCUBATION

Keeping you posted

@opendataCH



Keeping in touch

food@opendata.ch





Pro Bono

Opendata.ch



ENGAGEMENT

A DEVELOPMENT FUND OF THE MIGROS GROUP

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

hdk
Zürcher Hochschule der Künste

ECOLE HOTELIERE LAUSANNE
Since 1893
A MEMBER OF EHL GROUP

id est avocats

LAUX LAWYERS AG
ZURICH | BASEL



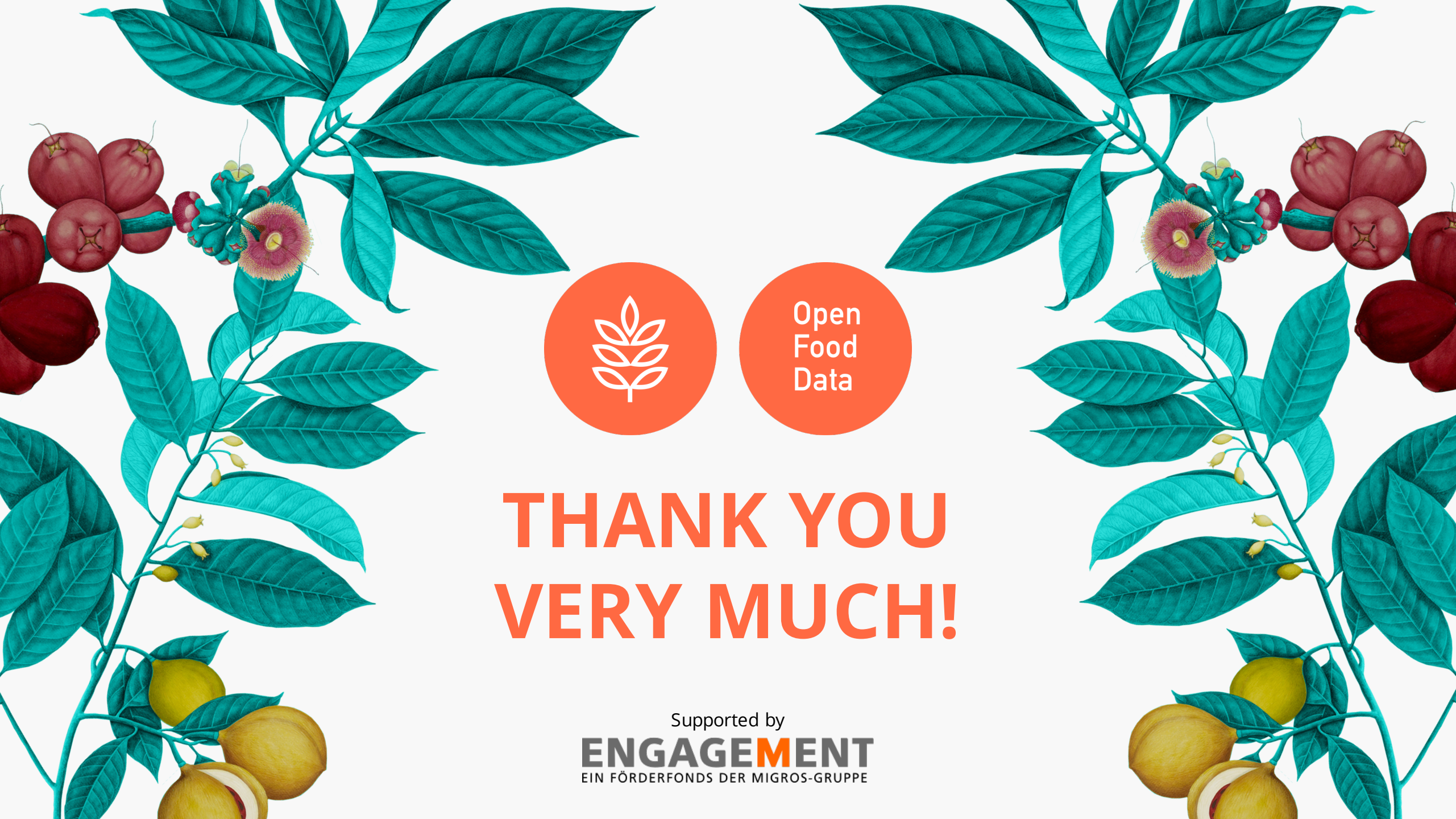
Organizing Staff

Lausanne:
- Marcel Salathé
- Frédéric Steinbrüchel
- Oleg Lavrovsky
- Alexandre Cotting
- Catherine Pugin
- Edouard Zeller
- Arnaud Loesch
- Luc Henry
- Florian Wieser

Zurich:
- Mirjam Steiner
- Hannes Gassert
- Muriel Staub
- Andreas Amsler
- Barnaby Skinner
- Nikky Böhler
- Marie Mayoly







THANK YOU VERY MUCH!

Supported by
ENGAGEMENT
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