### What ingredient startups need

(and what they get)

Corjan van den Berg Sept 14, 2022 IFFI

#### Content.

- Who we were
- What (ingredient) startups need
- Who we are

#### Who we were.



Edgar Suarez Garcia, PhD CTO (aka back-office)

Msc Chemical Engineering
PhD Bioprocess Engineering



Corjan van den Berg, PhD CEO (aka front-office)

PhD Bioprocess engineering Bsc Food tech

"A really well-balanced team!"



#### The facts.

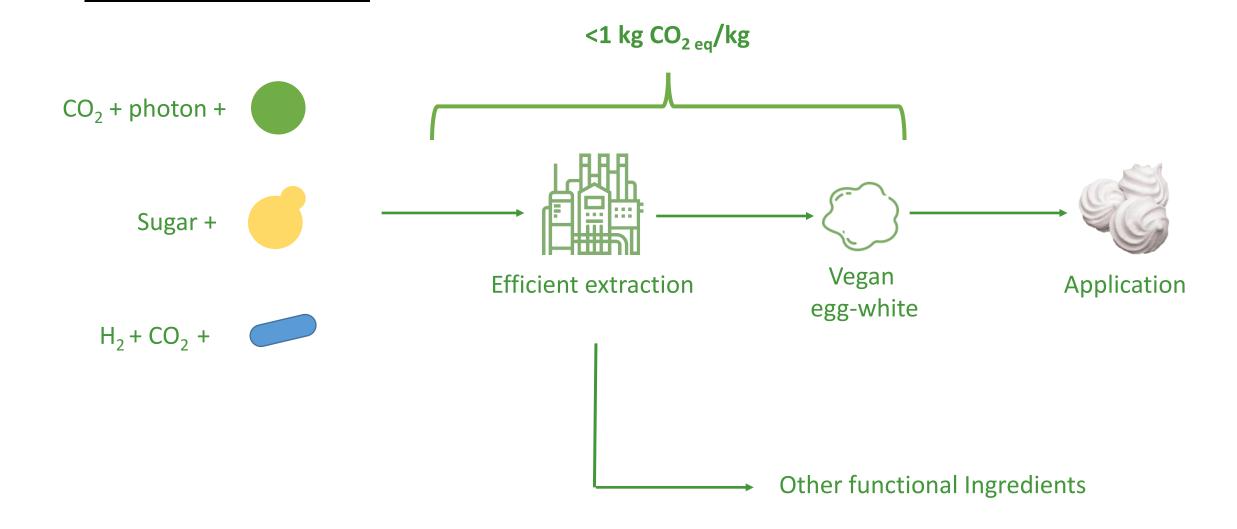
Currently, the total protein ingredient market consists of 70% of proteins from animal origin and 60% of it is eggwhite.

Egg ingredients represent a global market size of 20 Bn\$.

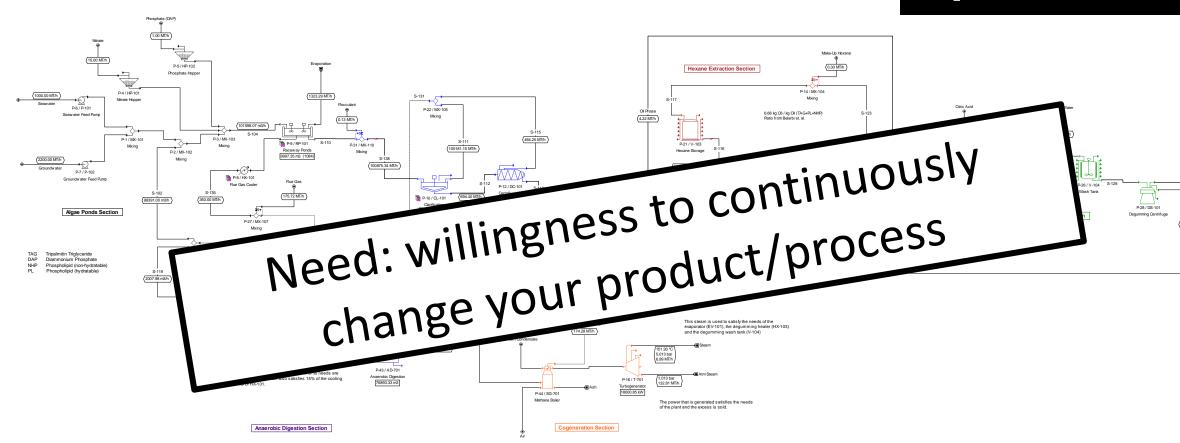
Used in meat replacers, bakery products, sauces and others due to technical functionalities.

Huge environmental impact: 40 kg CO<sub>2</sub>/kg egg-white.

#### What we do.



### Typical SCP processes



**Process summary: 32 unit operations** 



**Not happening anytime soon!!** 

# **Challenge: funding your ingredient start-up**

## **Need: funding your ingredient start-up**

Nice brainfart, let's do an IPO!

Show me the business case, scaleup strategy, professional well-balanced team, patent, proven demonstration runs, first customers on-boarded and you'll get 100k!



50-300kEur

200-1000kEur

2-10MEur

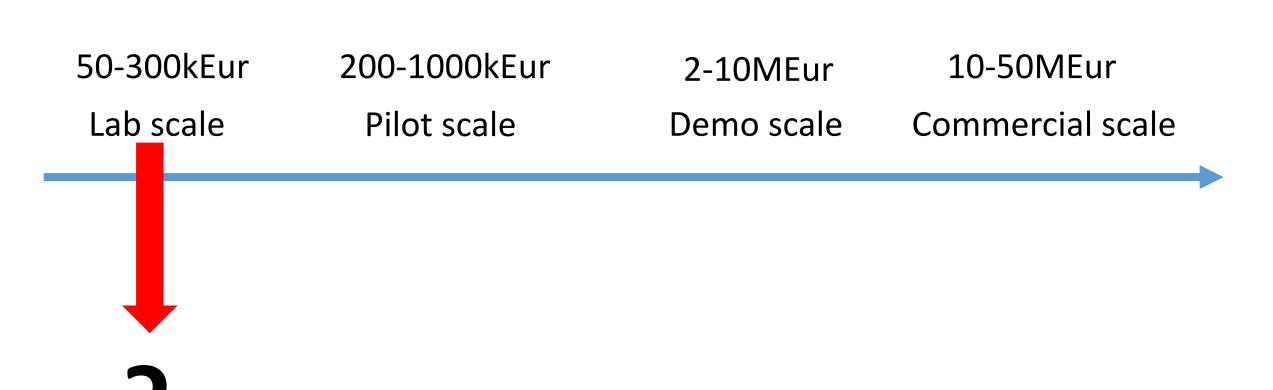
10-50MEur

Lab scale

Pilot scale

Demo scale

Commercial scale



### Cheap lab-space

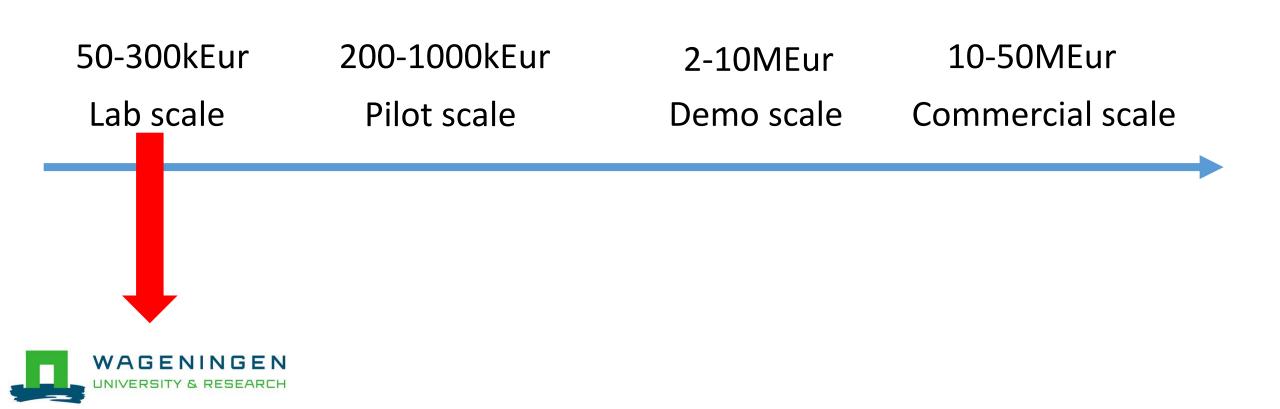


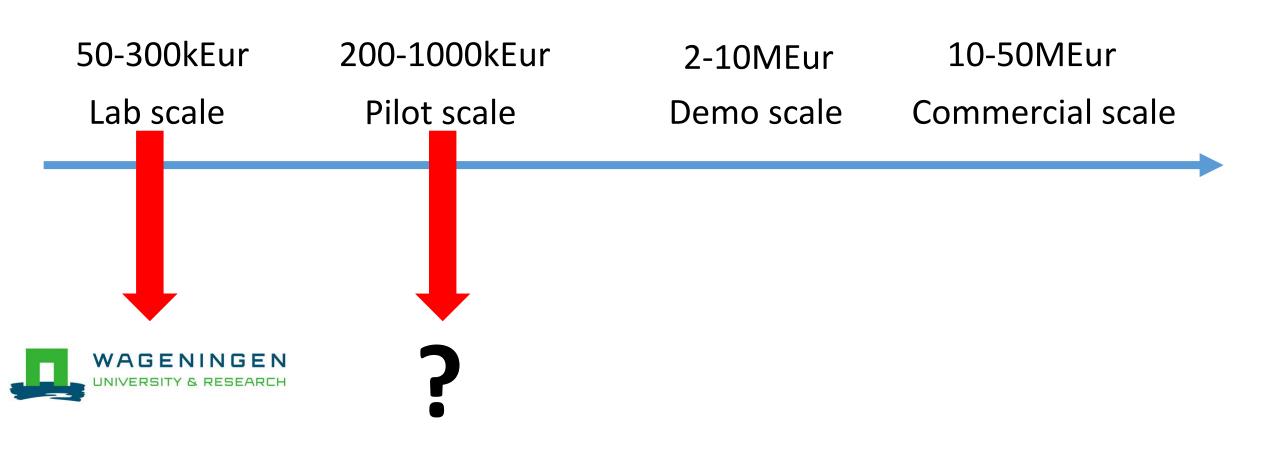


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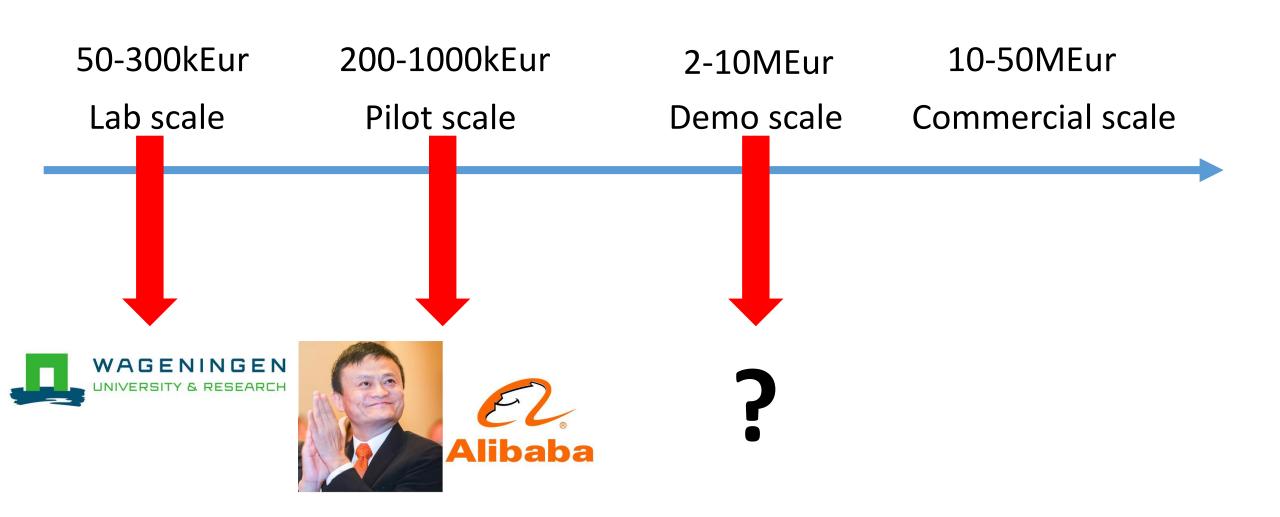




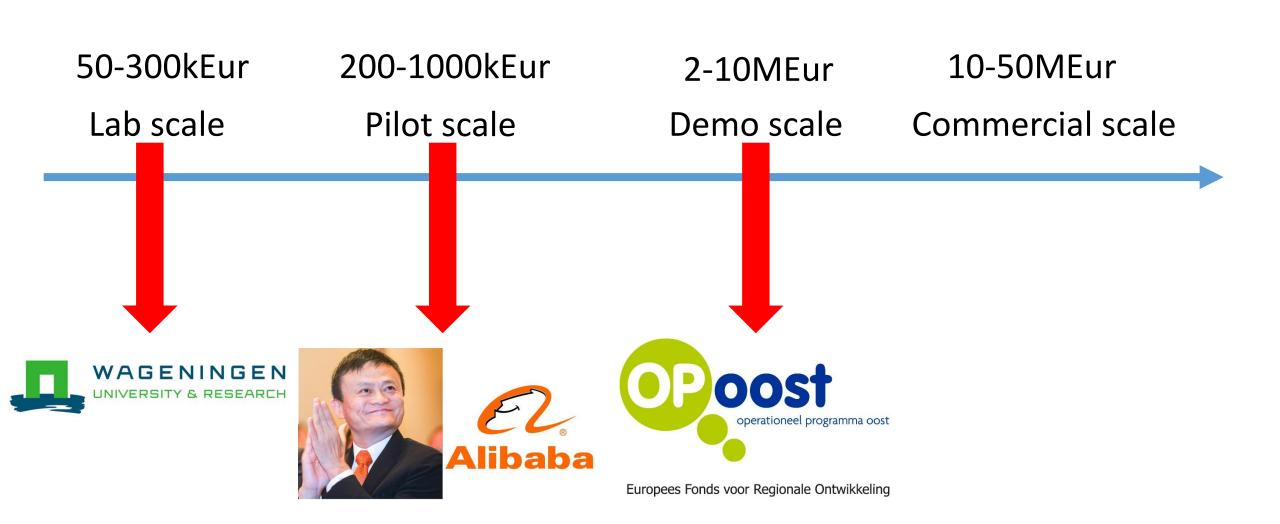


### So how to go about piloting?









So far, we have been able to move from lab scale to full industrial equipment in 18 Months



Jan 2020

FUMI Ingredients is officially created

1 L batch

~10g product



**July** 2020

Start of FUMI & ABI joint development agreement

10 L batch <500g product

2021

Oct

Contract-Manufacturing Feasibility Assessment &

Commercial validation

10.000 L batch 400kg product

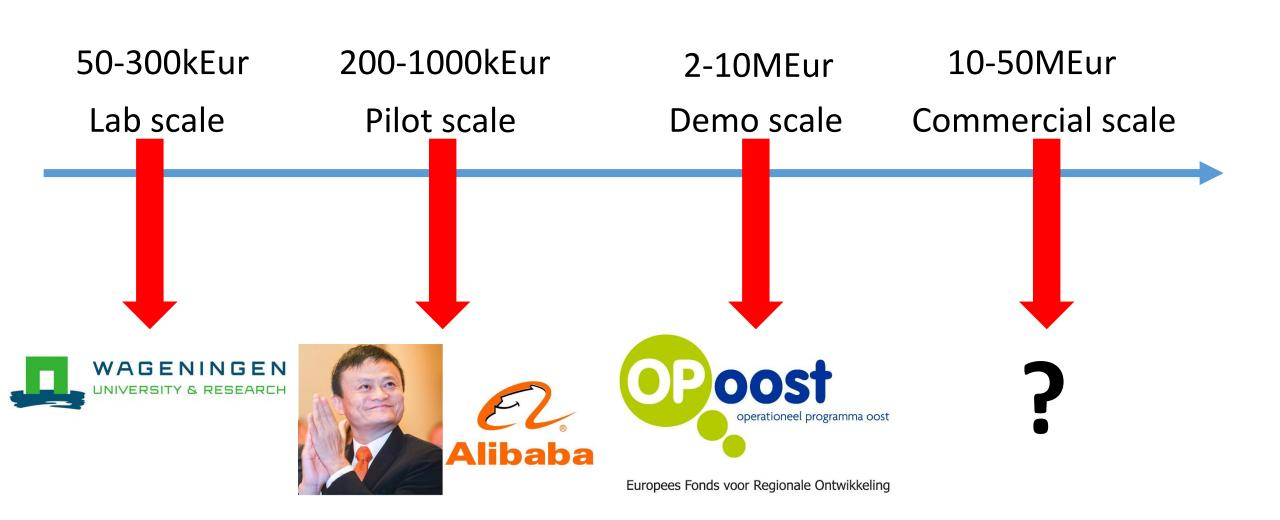
Small-Scale Feasibility
Assessment

1.000 L batch 50 kg product

Dec

2020

- > In 18 months
  we were able to scale the
  process x10000
- Product quality has step changed and is confirmed by customers



Through our partner ABInBev, we secure supply and launch our first revolutionary brewers' yeast ingredient solutions



Centuries of Brewing Heritage



Deep Fermentation Know-How



Highest Quality Natural Yeast



Global Footprint





### We are revyve:

We create simple, sustainable, microbial ingredients that unlock the future of food



Our proprietary process enables uniquely functional ingredients



Our minimal processing philosophy is the key to the **healthy**, **clean label products consumers desire** 

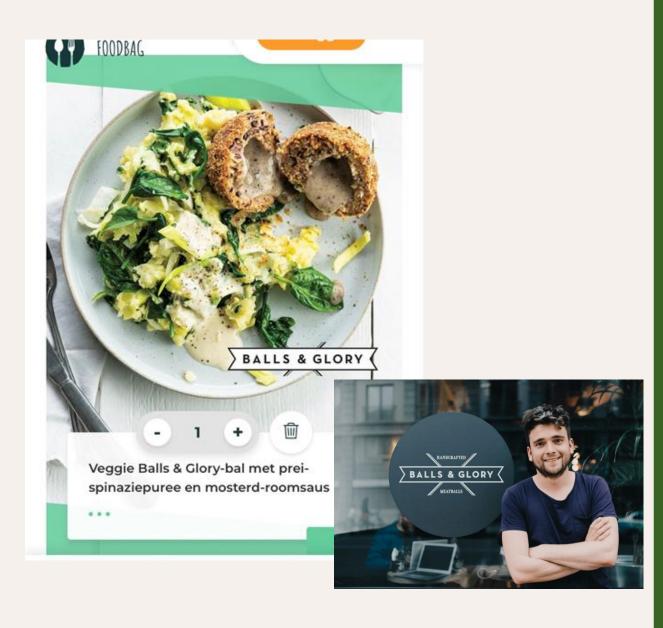


Our circular economy approach delivers unmatched sustainability, scale and speed to market



We launched
product in market in
food service through a
collaboration with a
famous TV Chef







We have a diverse team united by a common dream to change our food system



CEDRIC VERSTRAETEN
Founder & CEO
15 years in manufacturing, supply chain and innovation @ AB InBev and P&G



CCO >15years in Sales, Product Development and manufacturing @ Fonterra, Givaudan & DSM

JORDANIA VALENTIM



EDGAR SUAREZ GARCIA CTO Phd. in Bioprocess engineering @ Wageningen University and >10 years in Biorefinery processing. Co-founder FUMI Ingredients.



CORJAN VD BERG Growth Officer Post-Doc in Industrial Biotech @ Delft University and >15 years in Algae processing. Co-founder FUMI Ingredients



AYNA ARORA
Business Development
Pastry Chef and food entrepreneur. 5
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Business Development
Bio-Engineer and brewer. 5 years in R&D
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ERWIN JANSSEN
Project Engineer
Msc. in Biotech & Process Engineering
Bioprocessing engineering



SOPHIE BAGCHUS Food Technologist Msc. Food & Technologies and Msc. Nutrition and Health @ Wageningen University.



## We are revyve

