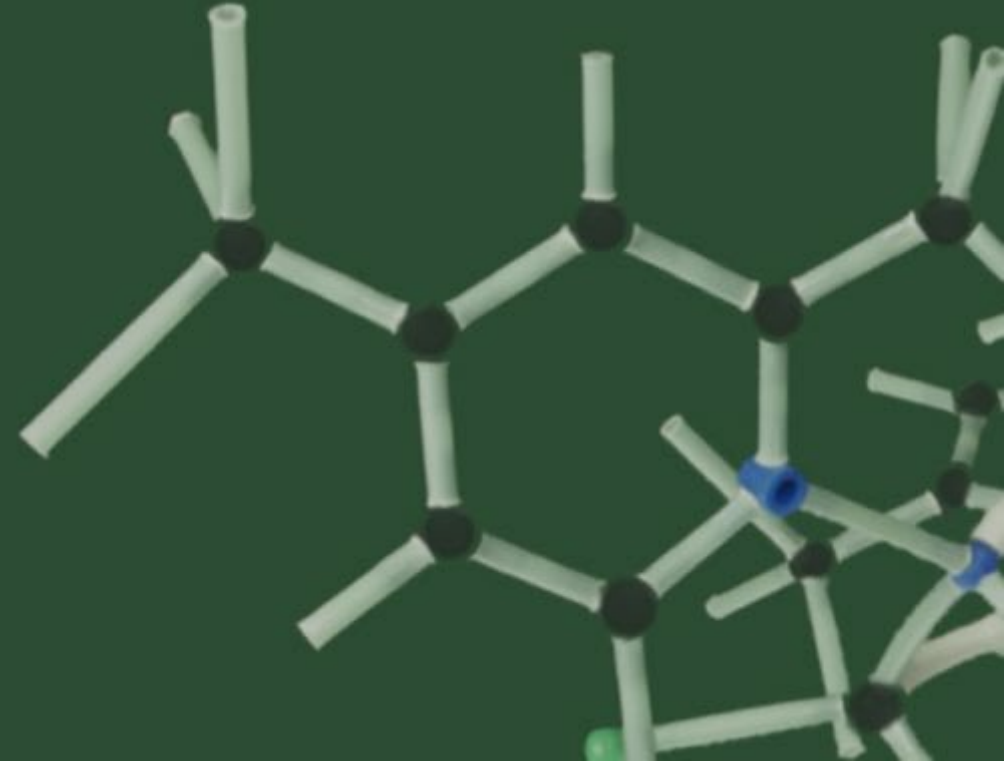


Clean & Sustainable Ingredients  
With the Power of  
Bacteria & Green Chemistry



**BIOWEG**





# 67000

**metric tons of plastic polymers** are used for coating the 440 000 metric tons of fertilizers used globally each year

# Plastic Coatings to Microplastics in Soil

**Impacting Soil Productivity**



**Inhibited Plant Growth**



**Animals Ingest & Accumulate Microplastics**



**Microplastics From Soil To Food**



<sup>1</sup> FAO. "Assessment of Agricultural Plastics and Their Sustainability—A Call for Action." *Rome* (2021).

<sup>2</sup> Conti, Gea Oliveri, et al. "Micro- and nano-plastics in edible fruit and vegetables. The first diet risks assessment for the general population." *Environmental Research* 187 (2020)

# EU Regulatory Ban On Microplastics & Non-biodegradable coatings in agriculture

Brings A Several Billion USD Opportunity To  
Replace All Microplastics By 2028

 syngenta

 **BASF**  
We create chemistry

 SOLVAY

 **EVONIK**  
Leading Beyond Chemistry

 Mitsui Chemicals

 **KWS**  
ZUKUNFT SAEN  
SEIT 1858

CRODA

 سابك  
sabic

**Examples of Impacted Companies**



# Requirements

**Higher yield with  
customized bio-fertilizer**

Stable biobased coating  
solutions **loading actives,  
biologics & micronutrients**

**Controlled release to solve  
the nitrogen-fixation problem**

# **BIOWEG HAS DEVELOPED SOLUTIONS TO ELIMINATE MICROPLASTICS**

**OUR SOLUTION** complies with the EU Regulatory Laws

**BIO-BASED**

**BIODEGRADABLE**

**SUSTAINABLE**

**CIRCULAR**



# AgriWeg



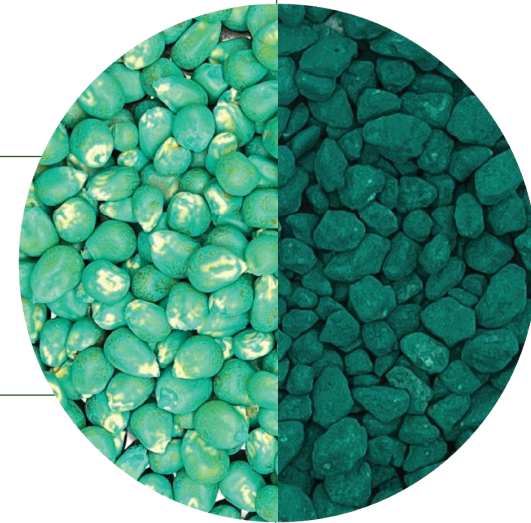
## Replaces Petroleum and Acrylic Based Coatings from Fertilizers and Seeds

Bio-based Coating  
100% Biodegradable

Surface Loaded with  
Micronutrients & Actives

Film Formation  
Low-dust Formation  
Tunable Release Profile

Hydrophobic Coat  
Facilitating Flowability





# Circular Process Involves Usage Of Different Side Streams

**Industrial Side Streams  
as Feedstock**



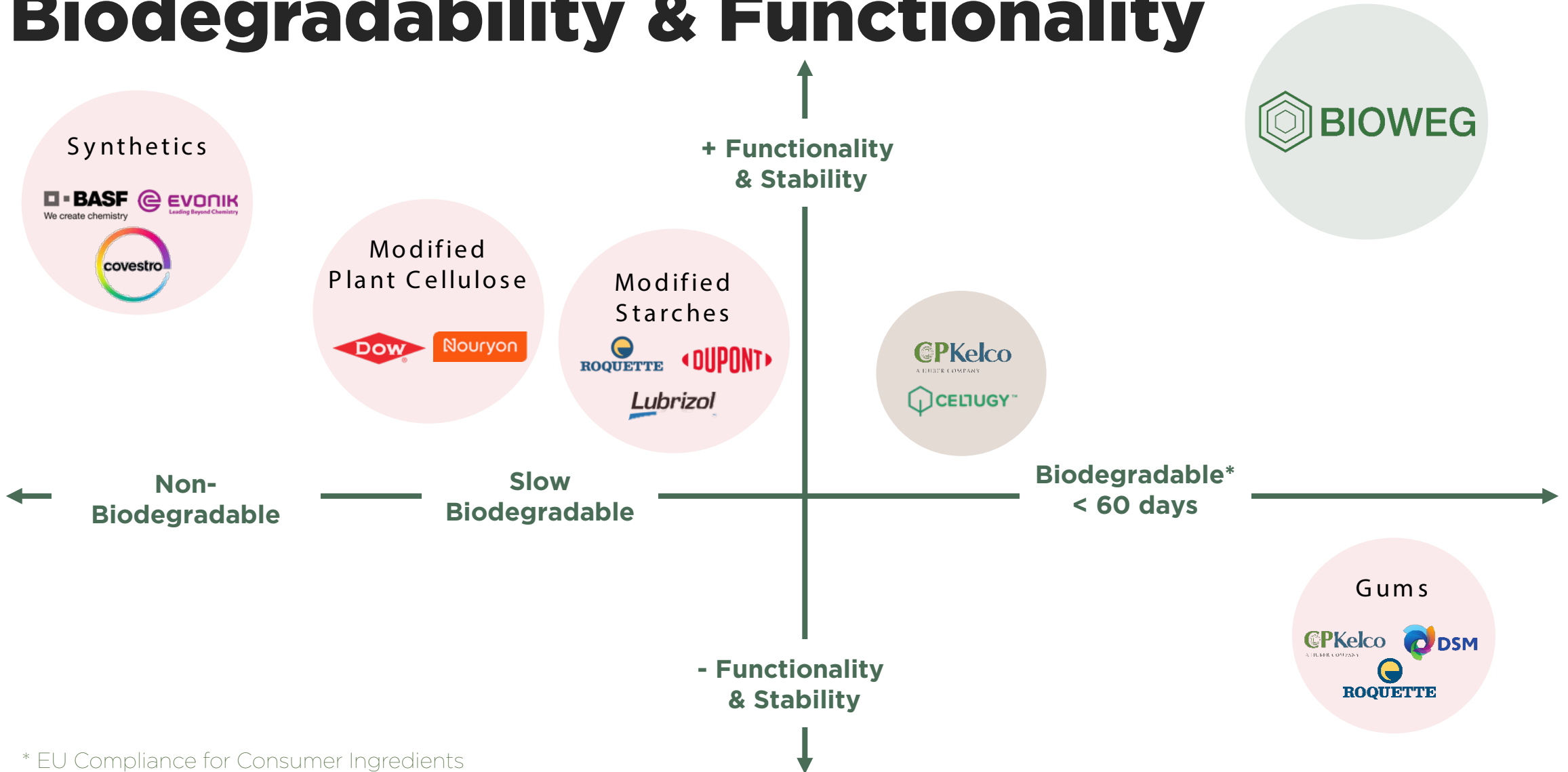
**Bacterial Cellulose  
Fermentation**



**Formulations  
using side streams**



# Differentiator: Perfect Blend of Biodegradability & Functionality



\* EU Compliance for Consumer Ingredients

# Our Value Proposition Is Strongly Based On Science



Readily  
Biodegradable



**Patent Pending Tech (5x)**

Circular Feedstock In Fermentation Media  
Bio-based Formulation For Fertilizer Coating  
& Loading Actives/Micronutrients



High Yielding  
Bacterial Strains

Circular  
Production



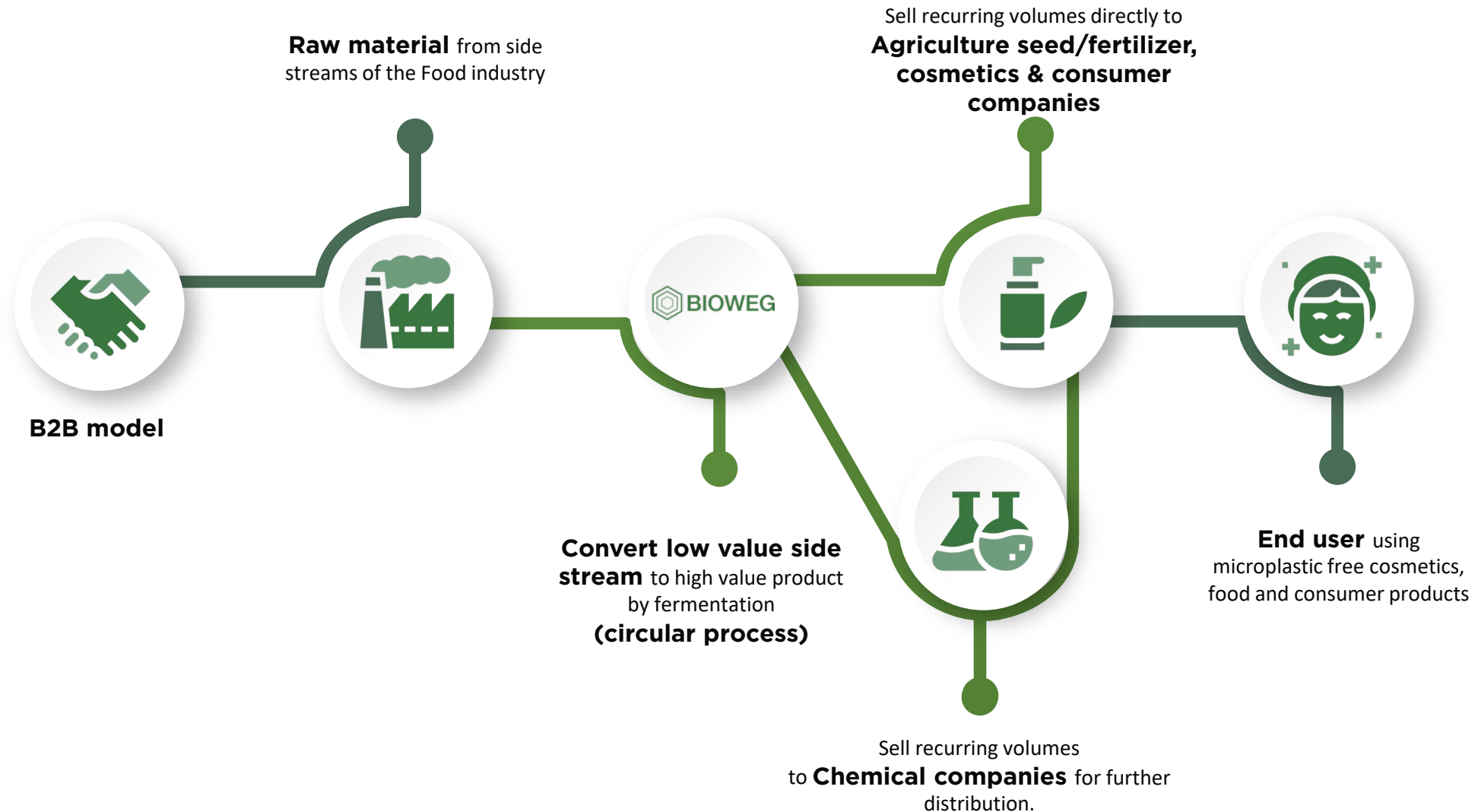
Green  
Chemistry



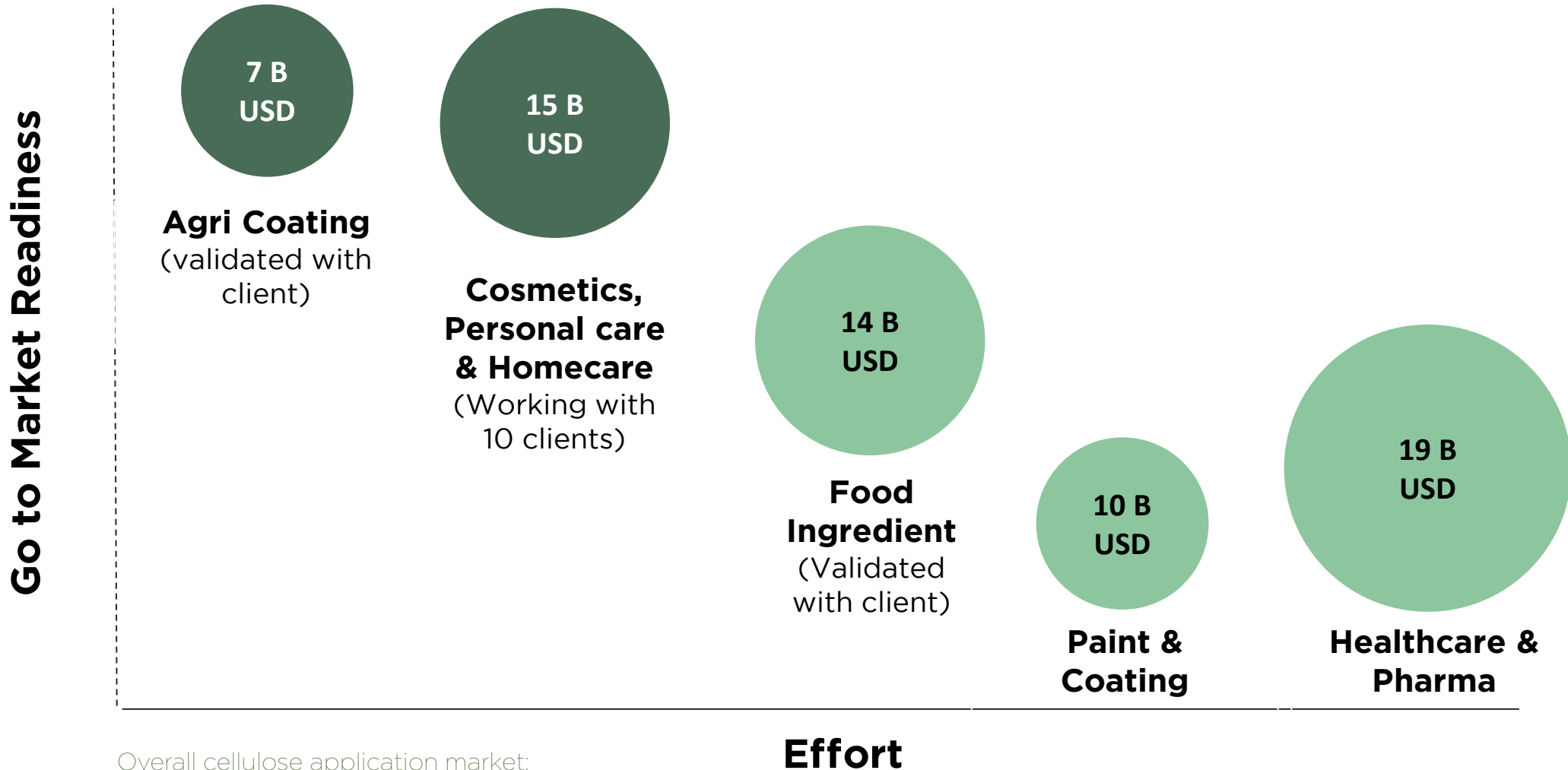
80%  
Lower LCA



# B2B Business Model



# Our tech brings sustainable opportunities in different fields

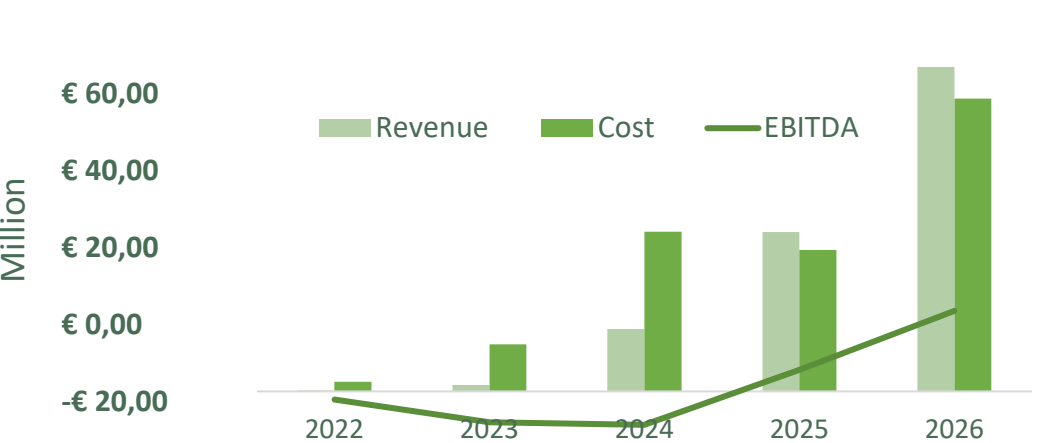


Overall cellulose application market:  
\$300 Billion

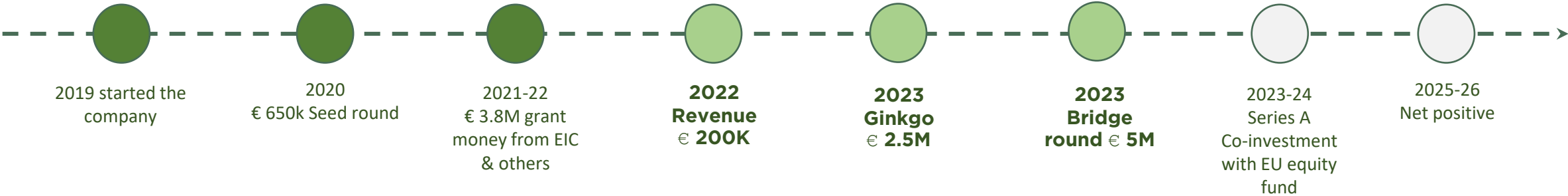
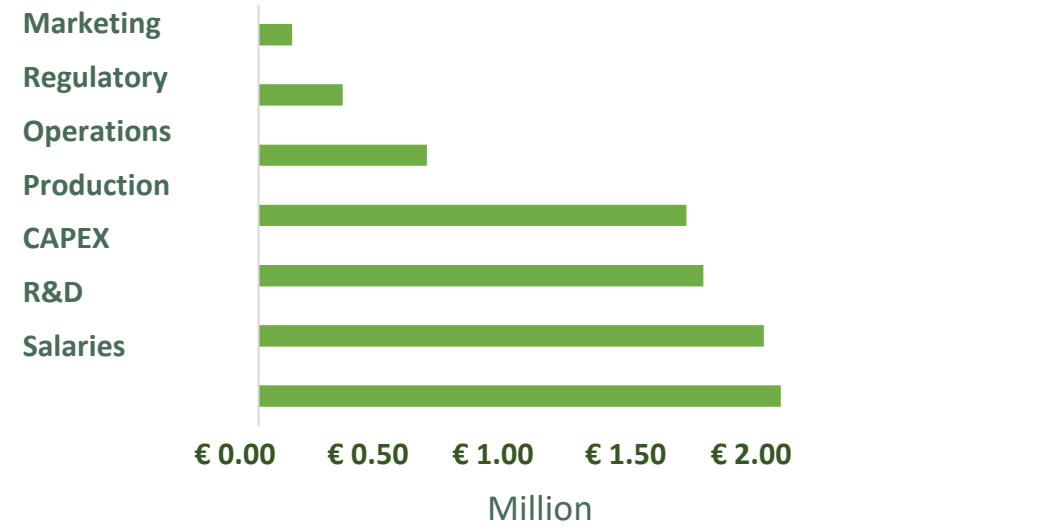
# Raising €6M Bridge Round

## To Deliver 2 Tonnes Of Product

### FINANCIAL MODEL



### USE OF PROCEEDS FOR NEXT 12 MONTHS



# ESG Impact

## A Future Without Microplastic



**Helping to provide  
microplastic-free  
drinking water**



**Circular production**  
by utilizing food  
industry side &  
waste streams



**80% lower carbon  
footprint** as  
compared to  
microplastics



**Reducing ~ 800\*  
tonnes of microplastics  
going into the  
oceans by 2026**



**Reducing the impact  
of harmful synthetic  
ingredients** on all  
ecosystems

\*-800 tones is the amount which we will produce and go in products by 2026, reference BLOWEG financial mode

# Experienced & Diverse Team (17)



**Dr. Prateek Mahalwar**  
CEO / Founder



**Srinivas Karaturi**  
COO / Founder



**Akinwale Oyeleke**  
Head of Finance &  
Controlling



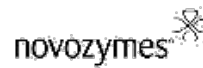
**Dr. Salvatore La Chin**  
Head of Strain  
Engineering



**Dr. Anuj Mittal**  
Head of Material  
Science



**Biswatosh Pati**  
Head of Bioprocess &  
Scale-up



**Tamaira da Silva**  
Head of  
Formulations



**2<sup>nd</sup>** Time Founders

**60** Years Of  
Combined Experience In  
Industry & Business

**300m<sup>2</sup>**  
Pilot Plant In  
Northern Germany

# Investors & Advisors



**Markus Baum**  
CFO  
West Europe EY



**Dr.-Ing. Frank Jenner**  
Global Chemicals  
Industry Leader  
at EY



**Dr.-Ing. Bert Volkert**  
Fraunhofer



**Dr.-Ing. Volker Heinz**  
German Institute of  
Food Technology



**Dr.-Ing. Kay Hettrich**  
Fraunhofer



**Mathieu Pinault**  
Managing Director,  
Solabia Group



# Accelerators & Awards



Selected & Graduated (2022)



Selected & Graduated (2022)



Selected & Graduated (2022)



Winner of EIC Funding  
(2021)



Finalist Biotech Track  
(2020)



Renten Bank and Tech  
Quartier (2020)



EIT Food  
(2020)



Winner of Validation Program  
(2019)



# Traction



**> 18 Customers  
in the pipeline**

European  
Innovation  
Council



European Innovation Council (EIC) established by the European Commission, under the Horizon Europe programme (2021-27)

**Won €12,6M**

**EIC Blended Finance 2022**

**Grant (2.5 M) + Equity (10.1 M)**

# Strategic Partnerships Along The Value Chain To Reduce Cost And Risk

THE WALL STREET JOURNAL.

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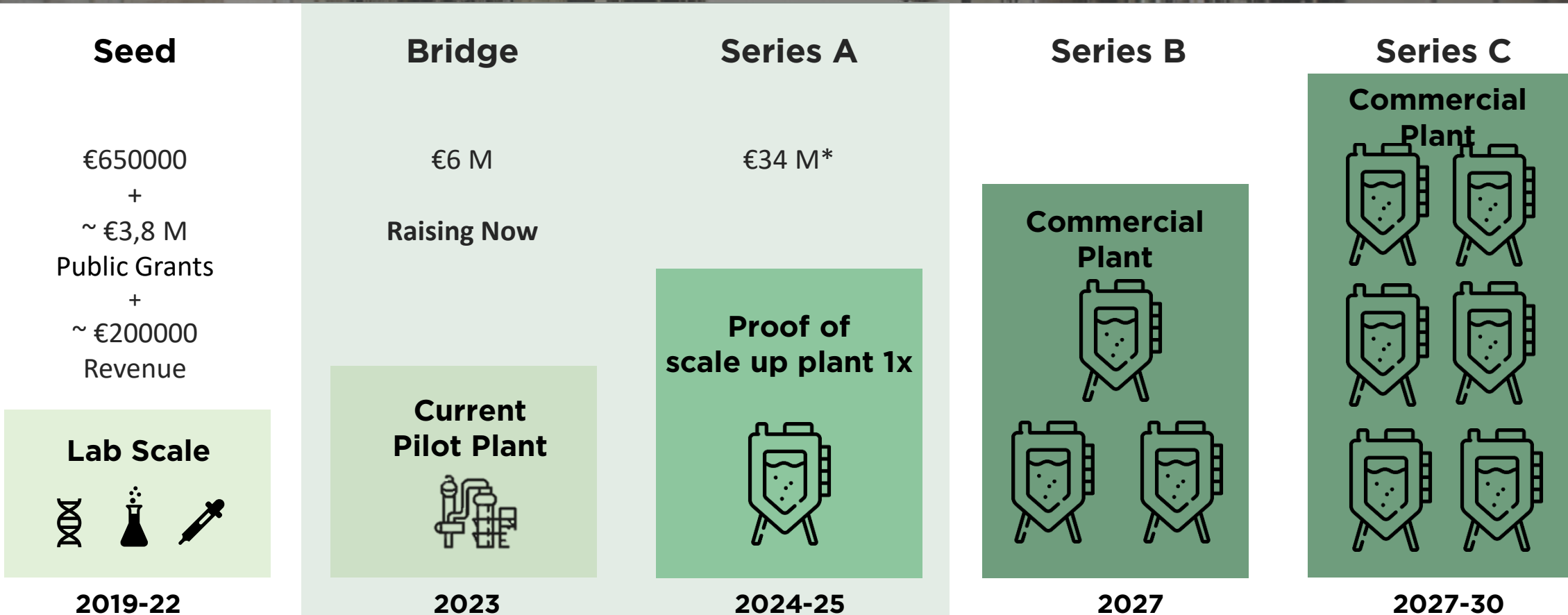
PRESS RELEASE

## Bioweg and Ginkgo Bioworks Announce Partnership to Develop Cost Effective and Efficacious Bio-Based Materials to Reduce the Use of Microplastic Pollutants



# Go-to-Scale up Strategy

Raising €6 M Convertible Note in 2023



\* ~ €12.5 M committed - €10.1 M EIC equity funding + \$2.5 M Ginkgo Bioworks CTLA



# Bridge Round Fund Raising

- Completing initial client orders
- Secure the supply chain
- Recruiting highly skilled talents
- Scaling-up R&D infrastructure

"Building a sustainable business is a triple win - for the planet, the people, and the profits!"

**THANK YOU**

[prateek@bioweg.com](mailto:prateek@bioweg.com)  
[www.bioweg.com](http://www.bioweg.com)



