

# Agenda



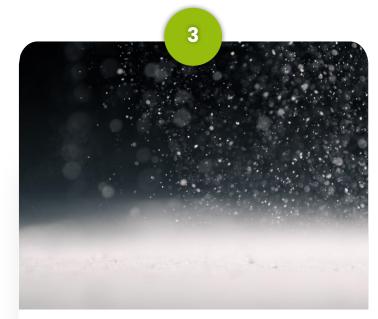
#### **Overview**

of the plant-based market



#### **Existing solutions**

for the plant-based market and their comparison to hemp



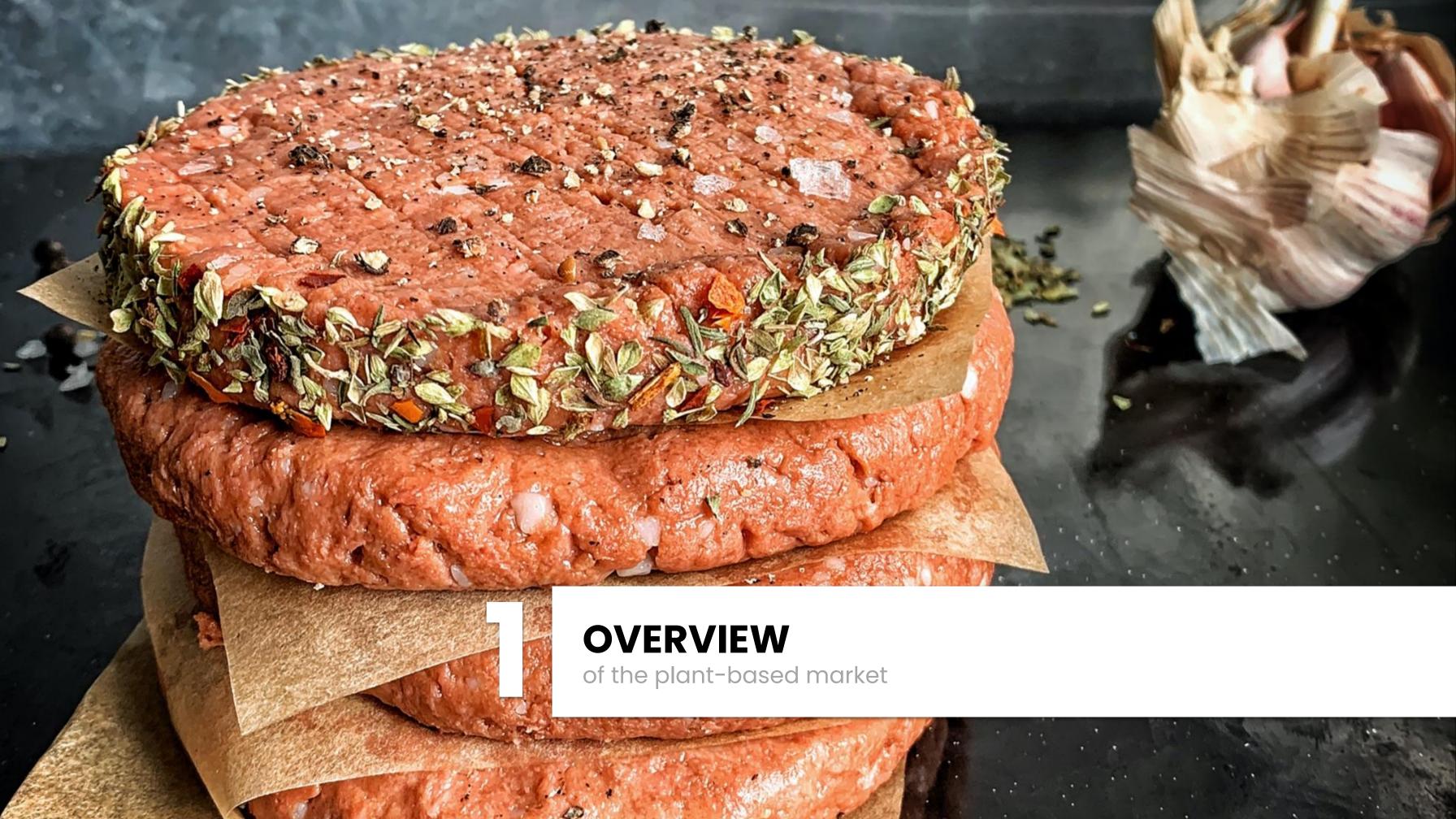
#### **Examples**

of implementation of hemp protein in plant-based technologies

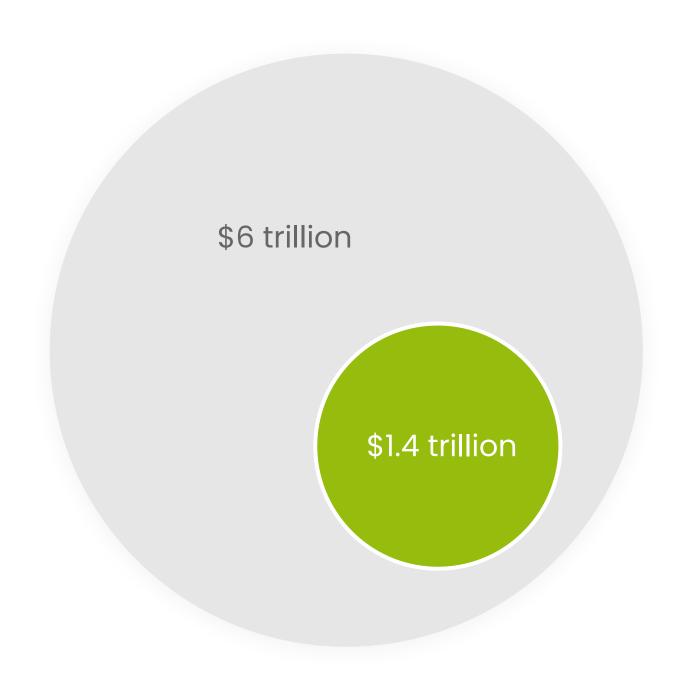








# Food Market – The Big Picture



The global food industry is worth **over \$6 trillion** 

The **meat industry** is the biggest category in the food industry

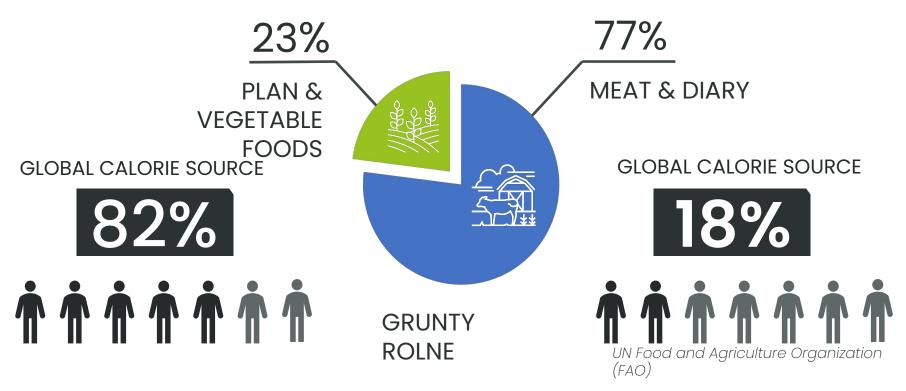






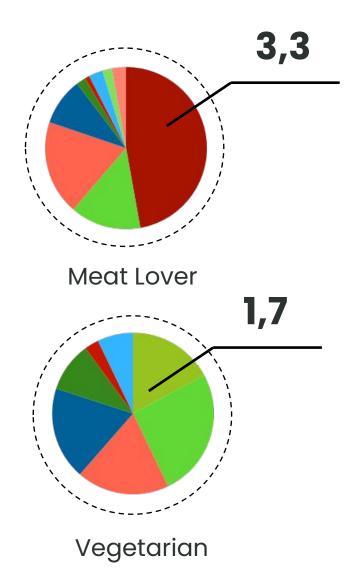
# Problem – the cost of feeding the world today

GLOBAL USE OF AGRICULTURAL LAND





COMPARING CARBON FOOTPRINTS (T CO2E)











#### Food Market – Global Meat Market Forecast



25% 40% Cultured meat replacement 35% Conventional meat

2025

2040







#### Reasons for Customer Interest in Plant-Based Meat









Health Ambitions

**Price** 

Climate Concern

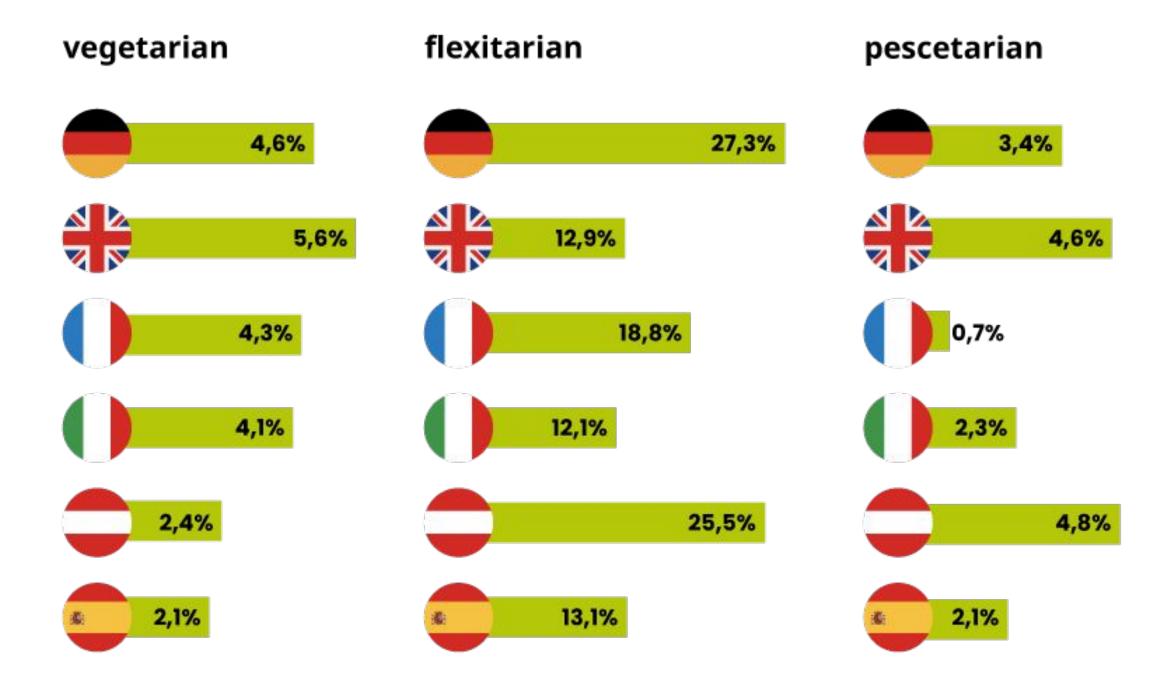
Animal Welfare







# **How Europeans Eat**









#### INVESTORS INTEREST IN THE PLANT-BASED INDUSTRY IS GROWING

IN 2020 INVESTMENTS IN THE INDUSTRY WILL EXCEED **USD 2.15 TRILLION** 

CORPORATE INVESTORS ARE ALSO PRESENT ON THE INVESTMENT MARKET

Table 3: Top 10 plant-based food producer fundraising rounds of 2020

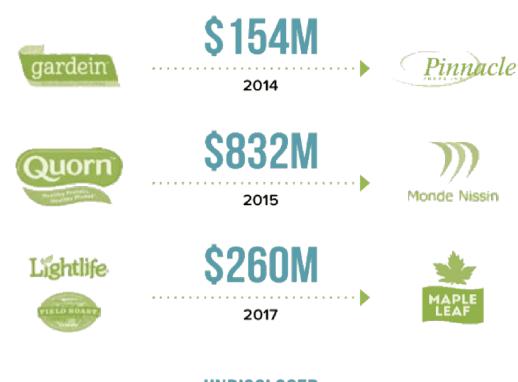
| Company          | 2020 invested capital (\$M) | Headquarters      |
|------------------|-----------------------------|-------------------|
| Impossible Foods | \$700                       | Redwood City, USA |
| LIVEKINDLY Co.   | \$338                       | Los Angeles, USA  |
| Oatly            | \$278                       | Malmö, Sweden     |
| Califia Farms    | \$172                       | Los Angeles, USA  |
| NotCo            | \$85                        | Santiago, Chile   |
| Green Monday     | \$70                        | Hong Kong         |
| Ripple Foods     | \$56                        | Berkeley, USA     |
| v2food           | \$55                        | Sydney, Australia |
| Good Catch       | \$37                        | Heath, OH, USA    |
| Meatless Farm    | \$32                        | Leeds, UK         |

Source: GFI analysis of PitchBook data.

Note: Data has not been reviewed by PitchBook analysts. See Box 6 for GFI's data collection methodology and the definition of "invested capital."

#### **MAJOR ACQUISITION**

Several large FMCG (Fast-Moving Consumer Goods) and meat companies worldwide have acquired plant-based meat brands, including:









UNDISCLOSED
2018



All figures are USD







<sup>\*</sup>Source: Alternative Proteins: Market Research on Consumer Trends



# Current problems on the market

Why do we need a better ingredient?







Lack of healthy ingredients that make a nutritious product



Bad smell



Not full for long



Not healthy (full of processed unhealthy vegan ingredients)



Bad for the environment



Doesn't grow locally







# Hemp – the most sustainable protein as an ingredient

**But why hemp?** 



Plant-based, organic & can be cultivated fully in Europe in large amounts



Nutrition value make it to a super food



Sustainable and supports officially the Green Deal of the European Union



Neutral smell and taste



High non-digestible & digestible fiber which make full for a long time



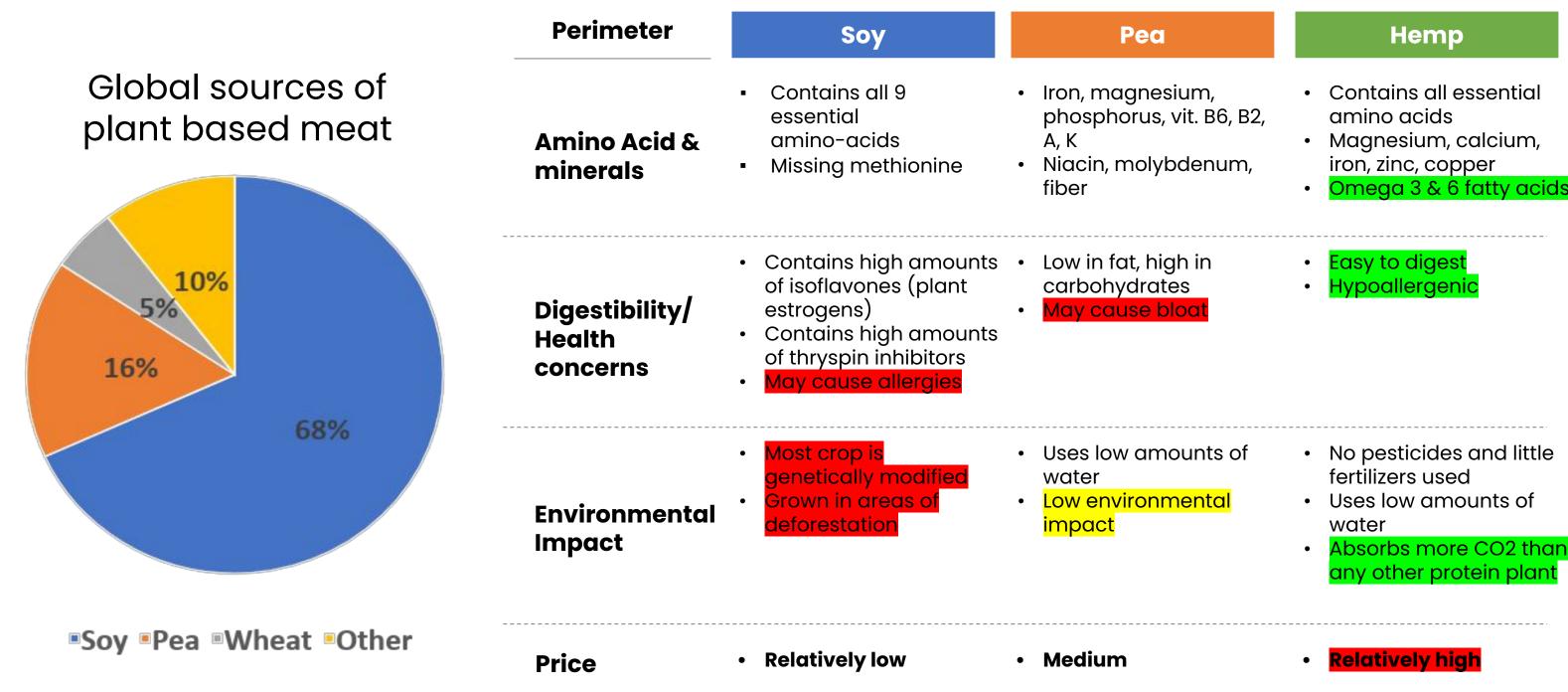
Contain omega 3. 6 & 9 and all essential amino acids







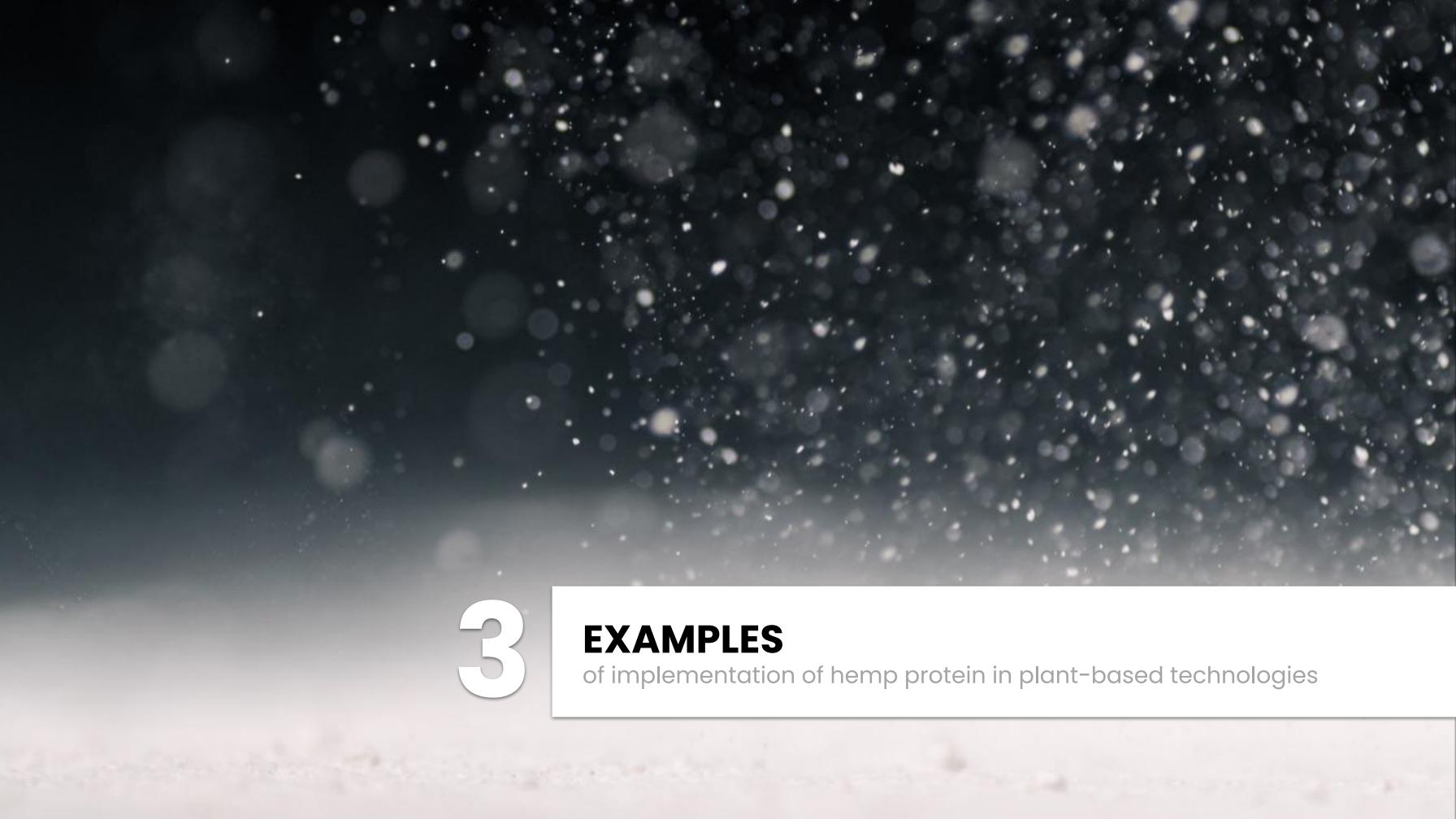
# Hemp vs other major sources of plant protein









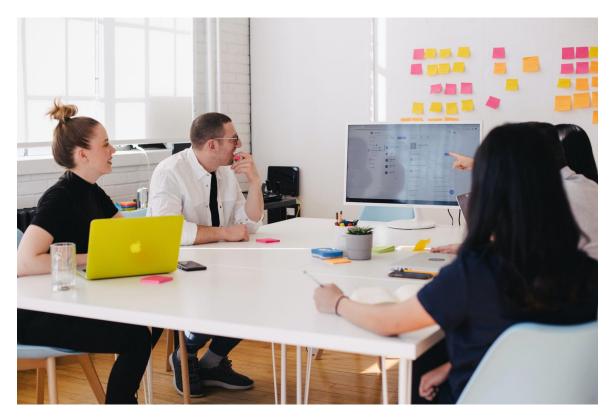


# Government grant project

#### Sustainable regional plant-based food products made of hemp



→ build a regional **hemp supply chain** 



ightarrow In-depth research on hemp seeds, which have a high-seed yield but also high protein, fibre etc. content



→ develop plant-based food made of hemp









# GREEN

# Signature Products

# Government grant project

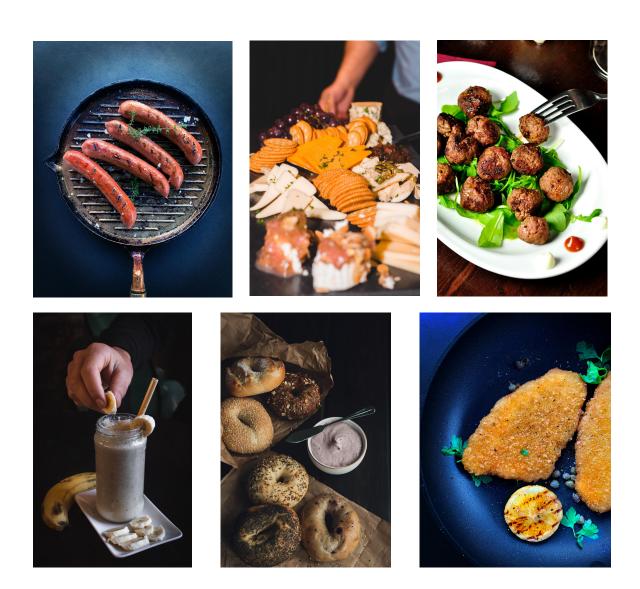
#### Sustainable regional plant-based food products made of hemp



already grow hemp in Europe on over 400 ha to test different hemp seeds



Used different method to process hemp protein for example with dry and wet extrusion



developed so far different products and had success in sausages, cold cuts, meat balls, protein shakes, spreads & schnitzel



# HEMPEAT - Hemp based meat alternative



#### **HEMP PROTEIN**







| Perimeter    | per 100g          |
|--------------|-------------------|
| Calories     | 252 kcal/ 1111 kJ |
| Fat          | 12,6 g            |
| Saturated    | 1,3 g             |
| Unsaturated  | 10,3 g            |
| Carbohydrate | 5,8 g             |
| Sugar        | 1,65 g            |
| Fiber        | 1,7 g             |
| Protein      | 27,3 g            |
| Salt         | 1.16 a            |

# HOTELS, RESTAURANTS & CATERINGS







# FOODS MANUFACTURERS & READY TO EAT





# RETAIL







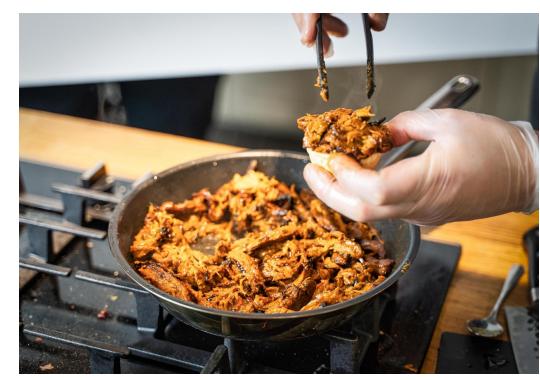
# HEMPEAT – examples of application

















### HEMPEAT – examples of application





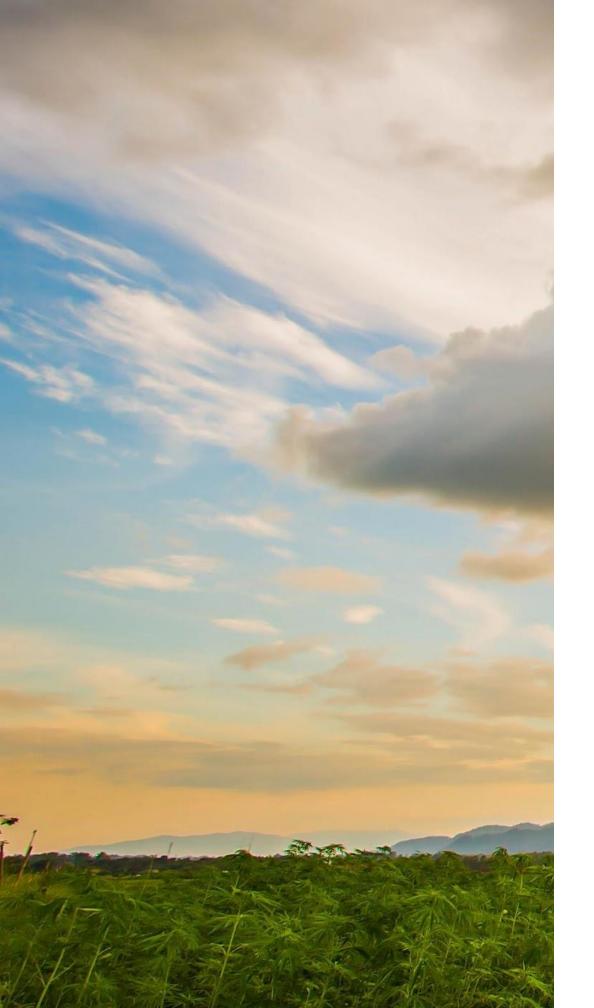














# Thank You

