## **Client Forum 2025**

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# OUR PURPOSE Feeding the future

## Nutreco today





## Our people 2023







# We invest in technology-driven companies, partnerships and projects

Nutrition	Health	Digital/Precision farming	Aquaculture farming systems	Alternative protein				
<ul><li>Feed raw materials</li><li>Nutritional ingredients</li><li>Feed technology</li></ul>	<ul><li>Health ingredients</li><li>Microbiome control</li><li>Water quality</li></ul>	<ul> <li>Animal monitoring</li> <li>Farming optimisation</li> <li>Supply chain optimisation</li> </ul>	<ul> <li>RAS / land-based</li> <li>Offshore farming</li> <li>Closed containment</li> </ul>	<ul> <li>Fermentation-based</li> <li>Cell-based</li> <li>Enabling technology</li> </ul>				
	Proteon ••••	C fodjan	THE       Image: Company         KINGFISH       PROXIMAR         COMPANY       SEAFOOD	MOSO Meat ENOUGH Bue Colu				
V	Pharmaceuticals	stellapps	WestCoast					

## Time to be interactive!



Which species will be fundamental in our challenge to feed the future (10 billion people)?

Grab your phone to share your idea!







seafood and fish farming



Important species to contribute to a **70%** increase in food availability for a growing population



## **Al in Shrimp Farming**

Skretting 360+



## Time to be interactive!



What do you think is the biggest challenge in shrimp farming?

#### **Options:**

- 1. Feed efficiency,
- 2. Disease control,
- 3. Water quality,
- 4. Market demand



# **360+ AI delivering results**





## Practices in 2020



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### The analog data lake



## **Towards precision feeding**









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#### Automatic feeder

Precise automatic feeder with Smart controls. Enabling you to monitor the feed for your fish with all of the latest technology.

#### Feeding schedules

Feeding schedules can be configured from smart-phone app. Using mobile based technology to to optimally feed your shrimp.

Intelligent feeder

Adjusts the feed based on water quality and weather data, ensures that shrimp get correct amount of feed intelligently.



**Reduces FCR** 

Reduces FCR by 30%. By reducing feed conversion ratios by over 30%, profit margins will only go upwards!

## Feed advice by a mix of Al solutions



# Feed advice by a mix of Al solutions





masterlab

a Nutreco company

Optical Pattern Recognition

## FormulAI

# Research in reach

## **Optical Pattern Recognition** (**OPR Project**)





a Nutreco company

## Goal: Early detection

Ensure high, constant quality of materials

**Prevention** 

### Value:

- Secure knowledge
- Global use of our professional expertise



- Improvement of quality control
   on location (bringing the lab to the sample)
- Ensure food quality and base for AI formulation
- Reduce waiting time



## **Optical Pattern Recognition** (**OPR Project**)







Soya contaminated with corn

### Use case:

- 1. Detection of contamination in raw materials
- 2. Recognition of additives in premix







IntellibondVitamin B2

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## **Research in Reach**

### What is it?

'*Research in Reach' converts complex data* from trials, tests, and product R&D *into easily understandable formats*, allowing users to better communicate and apply these insights to optimize feed production.

#### Why is it important?

This initiative aligns with Nutreco's mission to advance sustainable food production by enhancing the utility and impact of its research.

- Simplifies complex scientific data
- **Empowers sales teams** to convey research insights effectively, aiding decision-making.
- Enables informed decision-making across diverse client profiles, from corporate R&D teams to local farmers.
- Reinforces Nutreco's commitment to **providing cutting-edge**, **customer**-**centric solutions** in animal nutrition.
- **Boost productivity** and reinvest saved time in value added tasks.





# Closing





# Nutreco's AI platform and adoption program



fnutreco

## AI – Lessons learned



- Inspire by e.g. Al workshops and hackathons in the business and board level
- Setup governance (COE & Business leads)
- Switch rapidly form inspire to create value with tangible results (benefits tracking)
- Strengthens business partner role of IT
- **Partner** with technology/consultancy vendor
- Be prepared for the AI act
- Assess your architecture carefully
- Change management
- Unlock the potential in your company by "Citizen Development" and COE

## **Q&A** session







# Thank you!

