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Next-Generation Mycoprotein Platform from Side Streams

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Company Overview

ODS Protein is a Spanish biotechnology company specialized in the development of high-value protein ingredients from mycoproteins through fermentation technologies.

Our processes enable the valorization of food industry side streams, transforming them into sustainable and functional food solutions.

Strategic industrial partnership with





Global Challenges in Protein Production

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By 2050, 10 Billion People to feed - Current Systems Limitations:

- **Unsustainable Production Systems**

Animal protein production accounts for more than 14% of global greenhouse gas emissions, uses 77% of agricultural land, and requires significant water resources.

- **Limited Scalability**

Current food systems depend heavily on climate conditions and fertile land availability, making future protein scalability increasingly challenging.

- **Resource Waste**

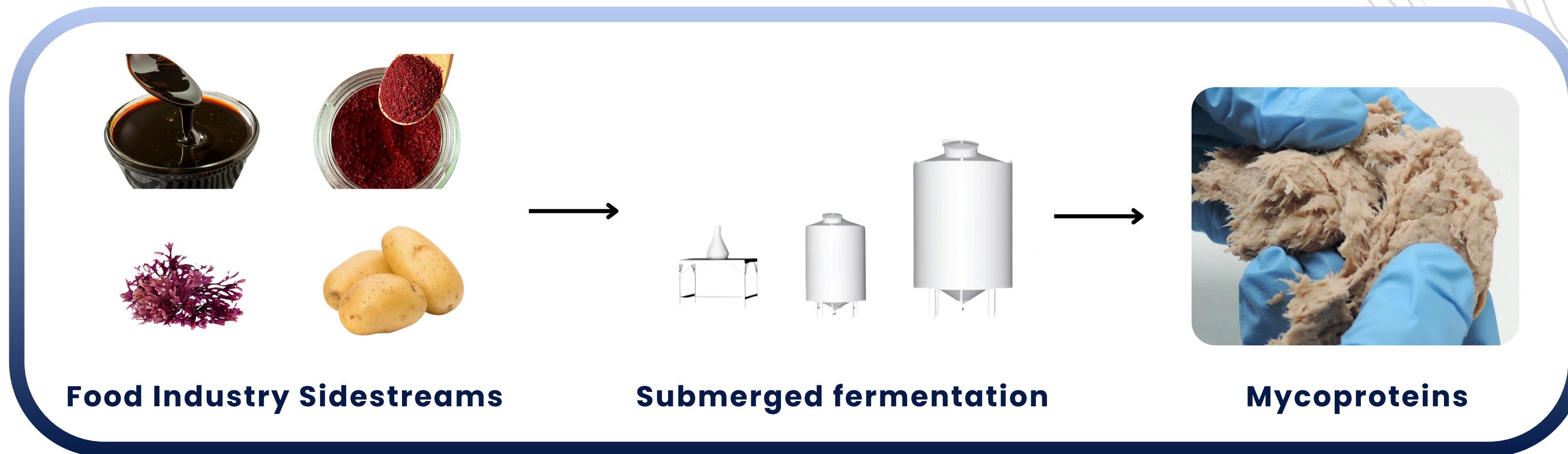
Approximately 1.3 billion tonnes of food are wasted globally every year, representing a major loss of resources, energy, and nutritional value.



Filamentous Fungi Fermentation Platform

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Circular biotechnology for next-generation protein production



SCALABILITY

CIRCULARITY

HEALTH



NAWA Protein: cases of use

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Why NAWA? “NAWA” is inspired by a Japanese concept related to a “place of harvest”. At ODS Protein, we envision NAWA as a new place of harvest for the next generation of proteins.

Key characteristics:

- Complete protein profile including essential amino acids
- Rich in protein and fiber
- Low in fat and salt
- Label-friendly ingredient (“mycoprotein”)
- Neutral taste & color
- Naturally fibrous texture
- Versatile for multiple food applications
- Lower carbon footprint compared to traditional proteins





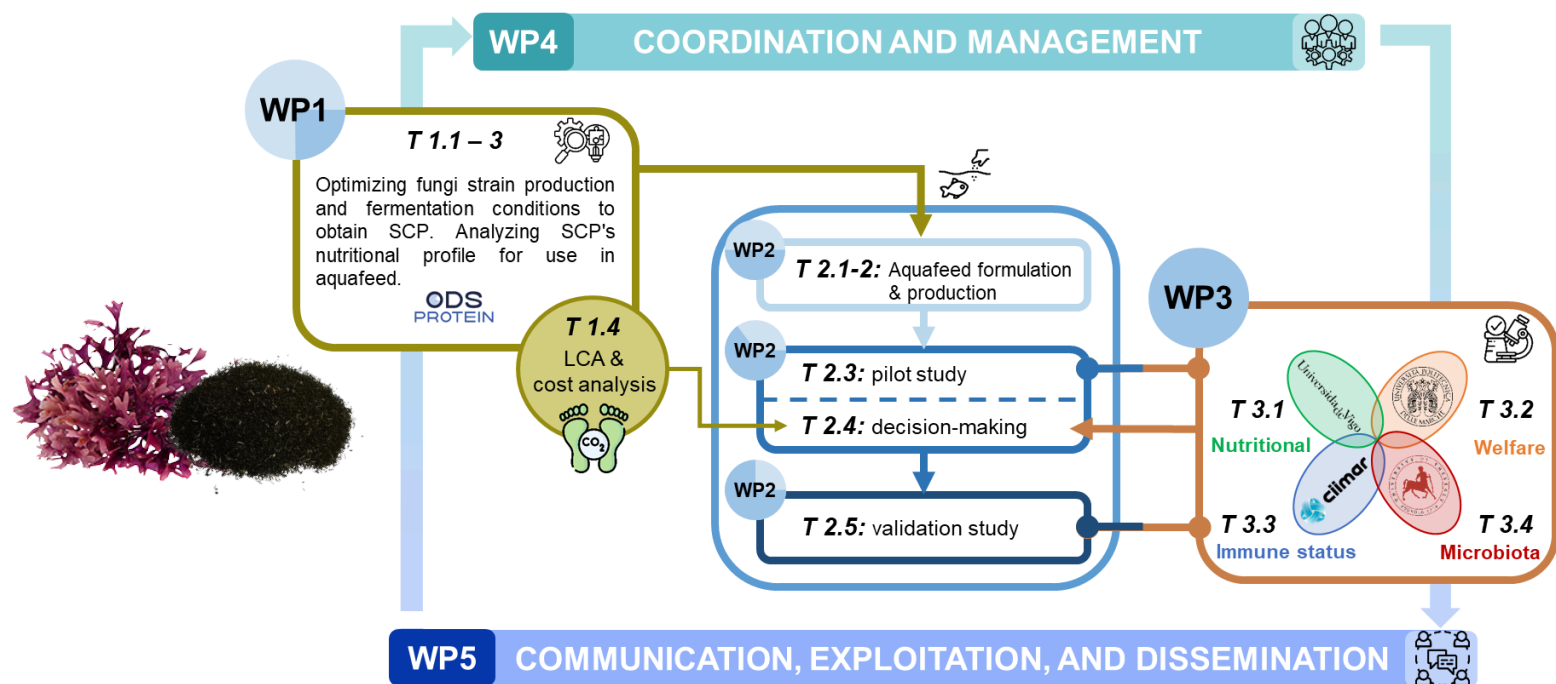
R&D Developments

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ODS Protein focus: unlocking the full potential of filamentous fungi and fermentation technologies.

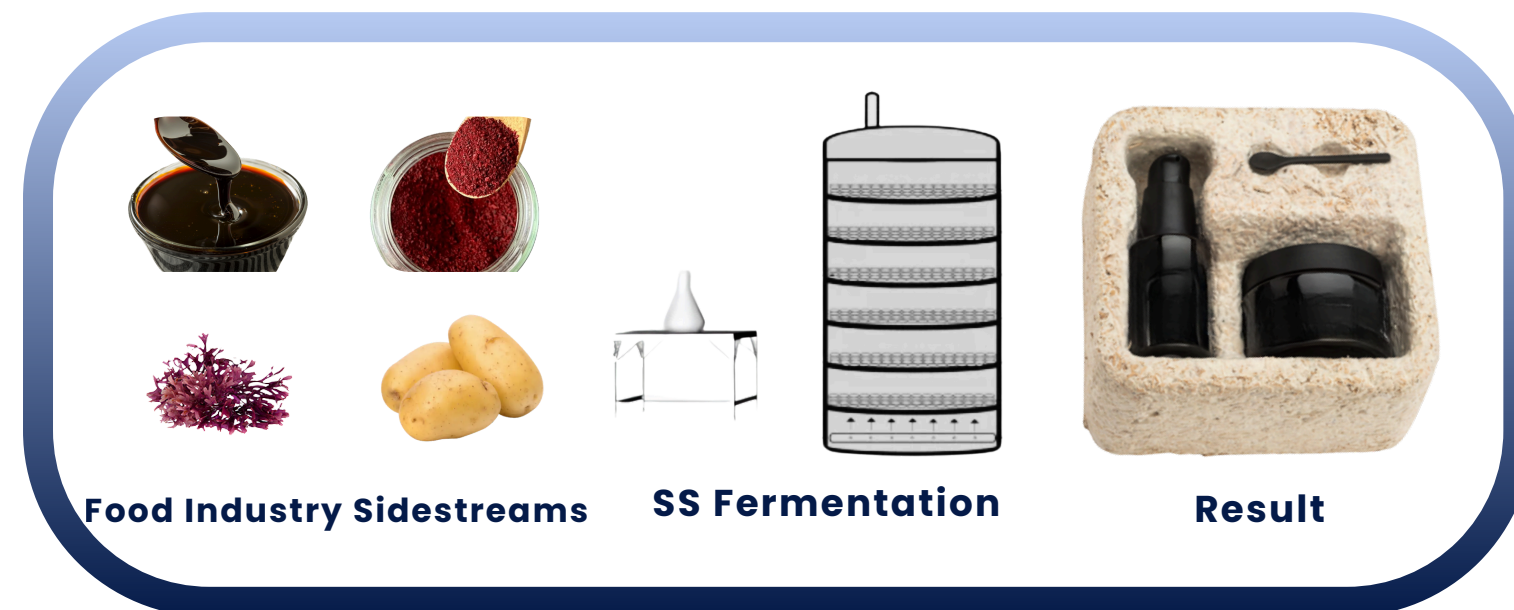
ALFUNFEED

Mycoproteins obtained from algae industry for aquaculture feed formulations.



SOLID-STATE-FERMENTATION

Platform to develop high-value compounds from filamentous fungi: biomaterials, enzymes, peptides.





Challenges in Next-Gen Proteins

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The transition toward sustainable protein systems depends on scalable and circular biotechnology solutions.

Main challenges:

1. Regulatory & Ingredient Validation

Long and costly approval processes for novel food and feed ingredients.

2. Cost-Efficient Fermentation

Conventional fermentation media are expensive and resource-intensive

3. Industrial Scalability

Scaling fungal fermentation while maintaining process consistency.

4. Circular Bioeconomy Integration



Collaboration Model

NAWA PROTEIN

Functional mycoprotein ingredient platform ready for food formulation applications.

Ingredient sales, supply agreements, co-development partnerships.

BIOTECHNOLOGICAL SERVICES

Application of ODS Protein's fermentation know-how for third-party developments.

R&D Services, Joint development projects.

ODS Protein combines ingredient development with fermentation expertise to create scalable and circular biotechnology solutions





Thank you for your attention

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