

INNOVATIVE PROCESSING OF FISH DISCARDS TO BARF

Learning from real life
Case Studies about MARIPET and Discard Fisheries
Use Success Stories

Case 1

Onboard preservation of BARF raw material

A case study from Turkey,
Identified from research by NTNU, Norway

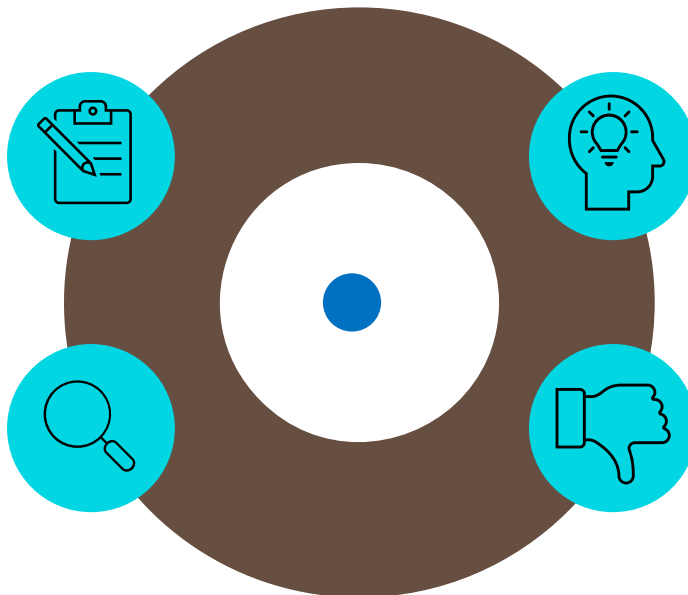
Case Study Overview

Description

On-board processing of BARF:
possibilities and challenges

Identified (module specific practices)

- Catching technology and onboard handling
- Fish raw material – properties and stability
- BARF production



Benefits

- Insight in catching technologies and on-board handling
- Knowledge about raw material stability and the importance of proper handling

Drawbacks

Difficult to get information on current practice and handling of the raw material
Difficult to get information about the commercial fishing vessels used in each region

Description of the Case Study

Name of case study: Onbord preservation of BARF raw material

Description of the case study: Fish deteriorate quickly. Thus, correct onboard handling is most important to maintain the raw material quality and produce high-quality BARF. Onboard hygiene and proper chilling systems are key parameters to prevent raw material spoilage.

Tasks:

- Suggest two-three solutions for proper onboard preservation of BARF raw material
- What are the advantages and disadvantages with the different concepts?
- Identify barriers for on-bord preservations in different fishing vessels

What makes it beneficial to promoting MARIPET?

The main goal of the MariPet is to raise awareness on how to use discarded fish to pet food and create an economically valuable products. To achieve this goal, students must increase their knowledge about the raw material properties and how to handle and process the raw martial to make a BARF product. Thus, the case study portrays the principles of MARIPET

Environmental and economic impact



1. Reduction in
discarded fish



2. Vocational training



3. Awareness of the
value of discarded fish

References:

- *Author. (year). Title. Available at: (website)*

Useful info:

- Website:

The related content to this case study has been identified from the public information which is published by the owners of the content.

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Case 2

BARF processing

A case study from Turkey,
Identified from research by NTNU, Norway

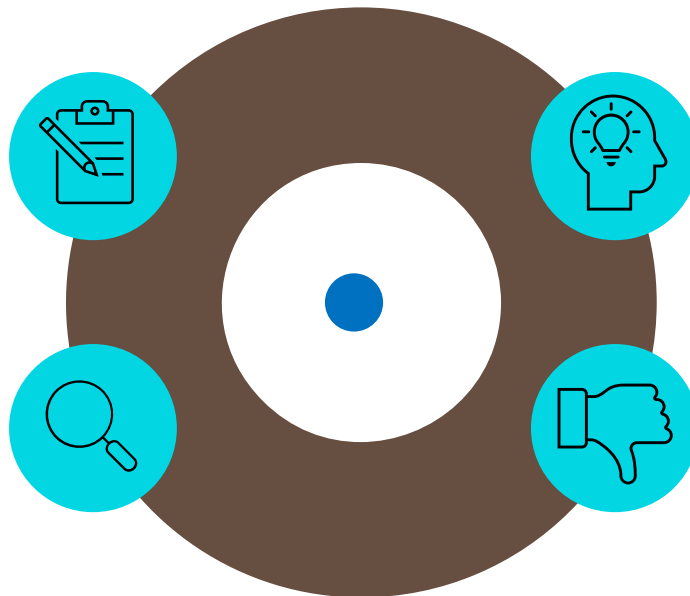
Case Study Overview

Description

- Design a BARF processing line

Identified (module specific practices)

- Raw material properties and stability
- BARF production and preservation
- Hurdle technology



Benefits

Enhanced understanding of raw material prosperities and how to preserve the quality

Drawbacks

Difficult tasks due to the lack of current BARF production lines

Description of the Case Study

BARF processing:

Description of the case study:

The ability to utilize fish discards to produce Biologically Appropriate Raw Food (BARF) highly depends on the raw material quality, stability, safety, and nutritional profile. However, as important is the handling and processing of the raw material after catch. In this case study, the students should use the syllabus of Module 3 and design a processing line of high-quality BARF.

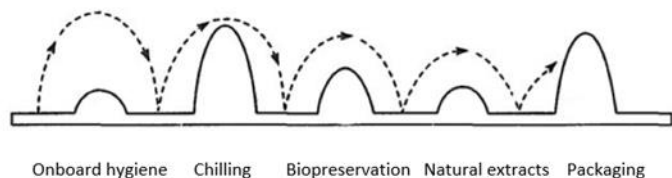


Fig 1. Hurdle concept can be used to ensure safe and stable preservation of BARF

Tasks:

- Design a BARF –processing line using a flow chart
- Identify hurdles in the processing line essential to preserve the BARF and describe their efficacy towards relevant pet food safety and quality issues
- Discuss how the hurdles affect nutritional quality of the pet food

What makes it beneficial to promoting MARIPET?

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