

New uses for by-products and waste

Thomas Binet, Vertigo Lab thomasbinet@vertigolab.eu



Why?

Creating less waste for the environment, using less natural resources, minimising ecological footprint

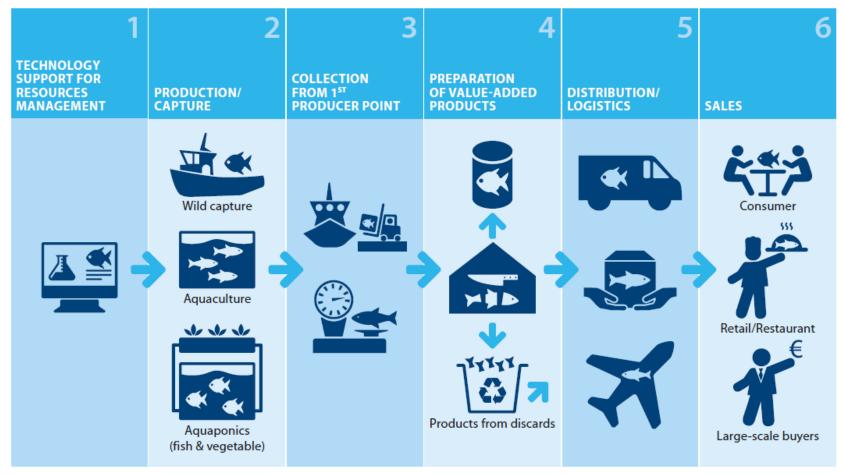
Reducing costs by optimising the resources used, avoiding disposal costs, using less « virgin » resources

By-products can create added-value through:

- ✓ New processes
- ✓ New uses
- √ Higher prices for different markets
- √ Collaboration with neighbours, sharing of facilities

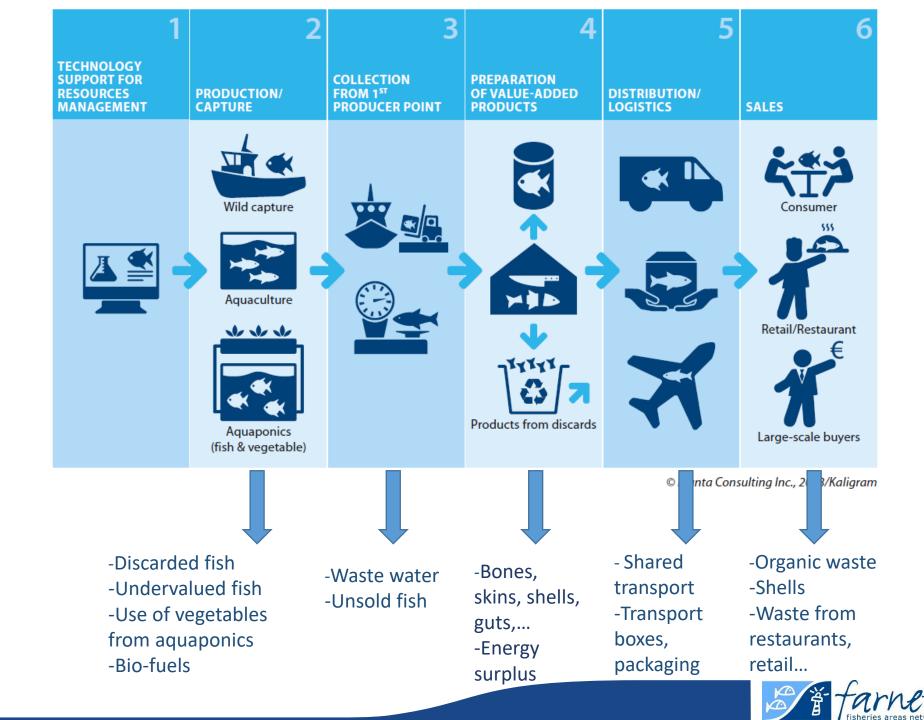


The fisheries supply chain

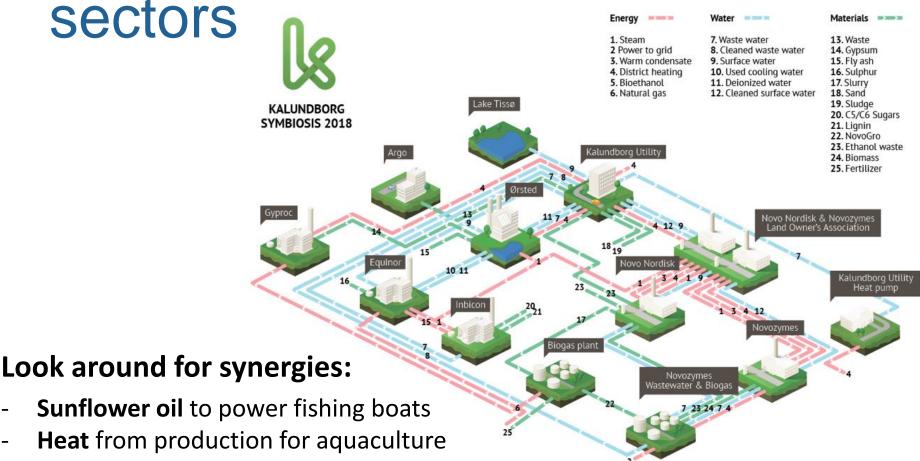


© Manta Consulting Inc., 2013/Kaligram





Synergies with other local sectors n



- Working with the leisure sector, Costa da Morte FLAG
- **Aquaponics**
- Also potential **job share** fisheries/fish farming/agriculture?



- What are the quantities of waste (=resource) products? Is the deposit compatible with a business?
- Are there local possibilities (facilities, project holders) to process them?
- Do we have enough knowledge on how to process them (research needs)?
- Are there any facilitators around (innovation agencies, incubators, etc.)?
- What is the **value created?**
- Is there an identified **buyer**?
- Can I collaborate with other regions?

Feasibility questions -> Business development

Is the project **idea** sufficiently clear?



- What are the objectives?
- What activities are envisaged, by whom and when?
- What makes the project unique?

Is their a **market** for the product/service?



- Who are the customers?
- Who are the competitors?
- How much can the business hope to sell and at what price?

Can the business cover its costs & generate income?



- What are the fixed costs? What are the variable costs?
- What is the expected income? Is it realistic?
- What is the break-even point?



FLAG projects





Fish waste for fishmeal in Spain

Mussel shells for jewelry, tiles and watch cases in Sardinia through 3D printing

Pilado Crab for Bio-medicine in Portugal

Aquaponics to produce fish and tomatoes in Sweden (LEADER)







Thank you!

thomasbinet@vertigolab.eu

The content and views expressed in this presentation are those of the author(s) and not those of the European Commission.



