

Welcome to.....

Akvafuture Salmon BC



The worlds most sustainable salmon farming?

Role of salmon farming as a climate-friendly food

Studies show that aquaculture supports climate-friendly diets because it:¹⁷



Requires **less fresh water**



Utilizes **fewer crops and less land** (even if over one-third of protein production comes from aquaculture by 2050)



Has a **lower carbon footprint** than non-marine proteins (chicken, pork, beef)

When deciding which protein to eat, we should consider what is good for the planet and our health

COMPARED WITH BEEF, CHICKEN AND PORK, FARMED SALMON IS THE MOST PLANET-FRIENDLY CHOICE IN TERMS OF:

- CARBON FOOTPRINT
- LAND & WATER USE
- FEED RESOURCES



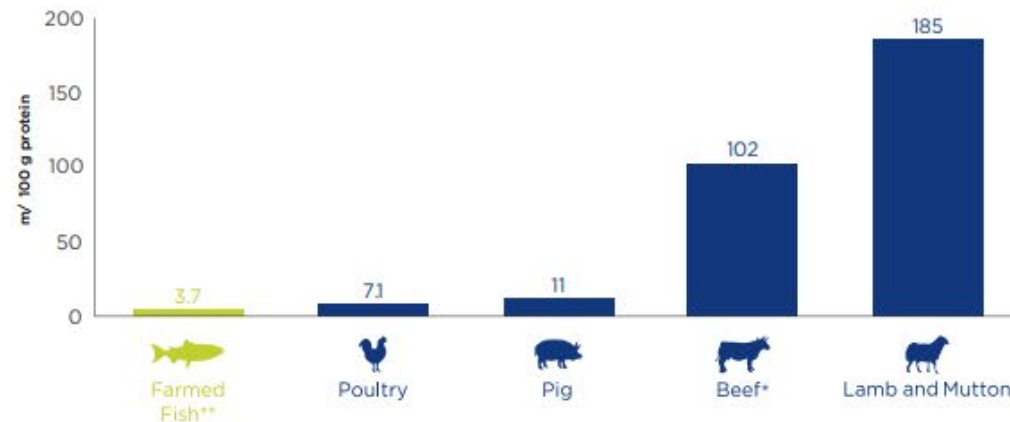
FARMED SALMON IS HIGHLY NUTRITIOUS:

- HIGH IN OMEGA-3S FOR HEALTHY HEART AND BRAIN
- HIGH IN PROTEIN
- RICH IN VITAMINS AND MINERALS

1. HILDON ET AL., 2018, THE ENVIRONMENTAL COST OF ANIMAL SOURCE FOODS
 2. POORE & NEMICKI, 2018, REDUCING FOOD'S ENVIRONMENTAL IMPACTS THROUGH PRODUCERS AND CONSUMERS
 3. FRY ET AL., 2017, FEED CONVERSION EFFICIENCY IN AQUACULTURE: DO WE MEASURE IT CORRECTLY?
 4. MOWI, 2019, SALMON FARMING INDUSTRY HANDBOOK

Land Use

The amount of land needed to produce 100 g of edible protein.



Protein Retention

Protein retention describes the gain in edible protein as a percentage of the protein intake from food. It is calculated as a percentage (grams protein in edible portion / grams protein in feed).



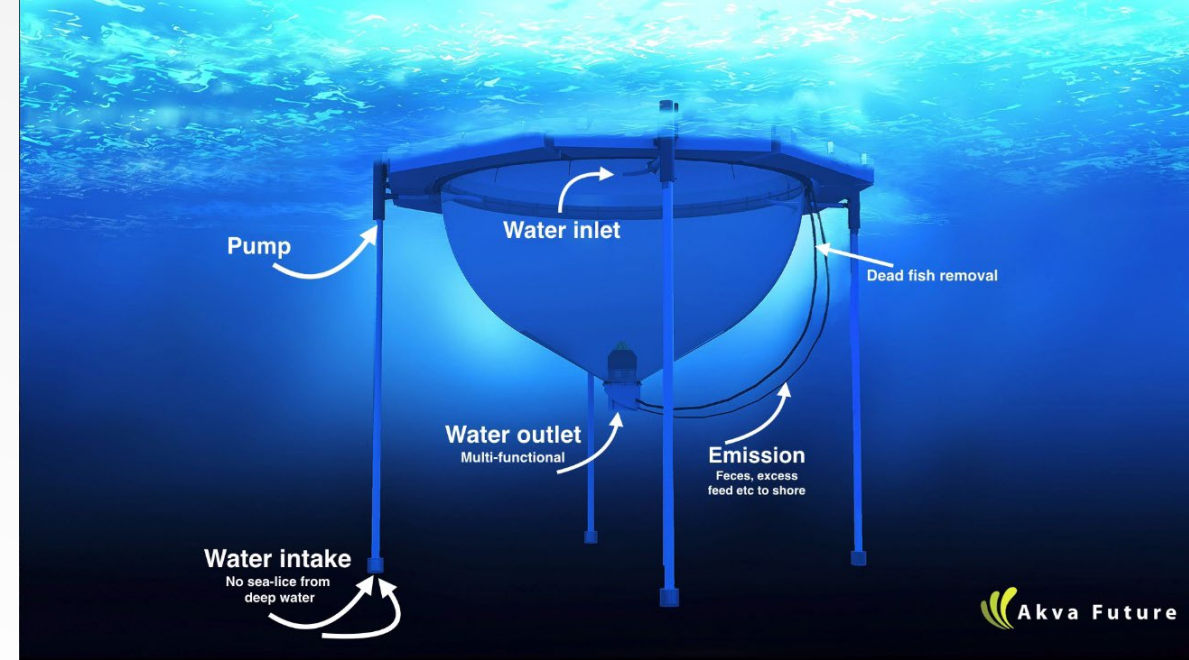
Farmed salmon is one of the most eco-efficient and sustainable forms of protein



¹ Global Salmon Initiative (GSI) Sustainability Report. Available at: <https://globalsalmoninitiative.org/en/sustainability-report/>. Last accessed October 2019.

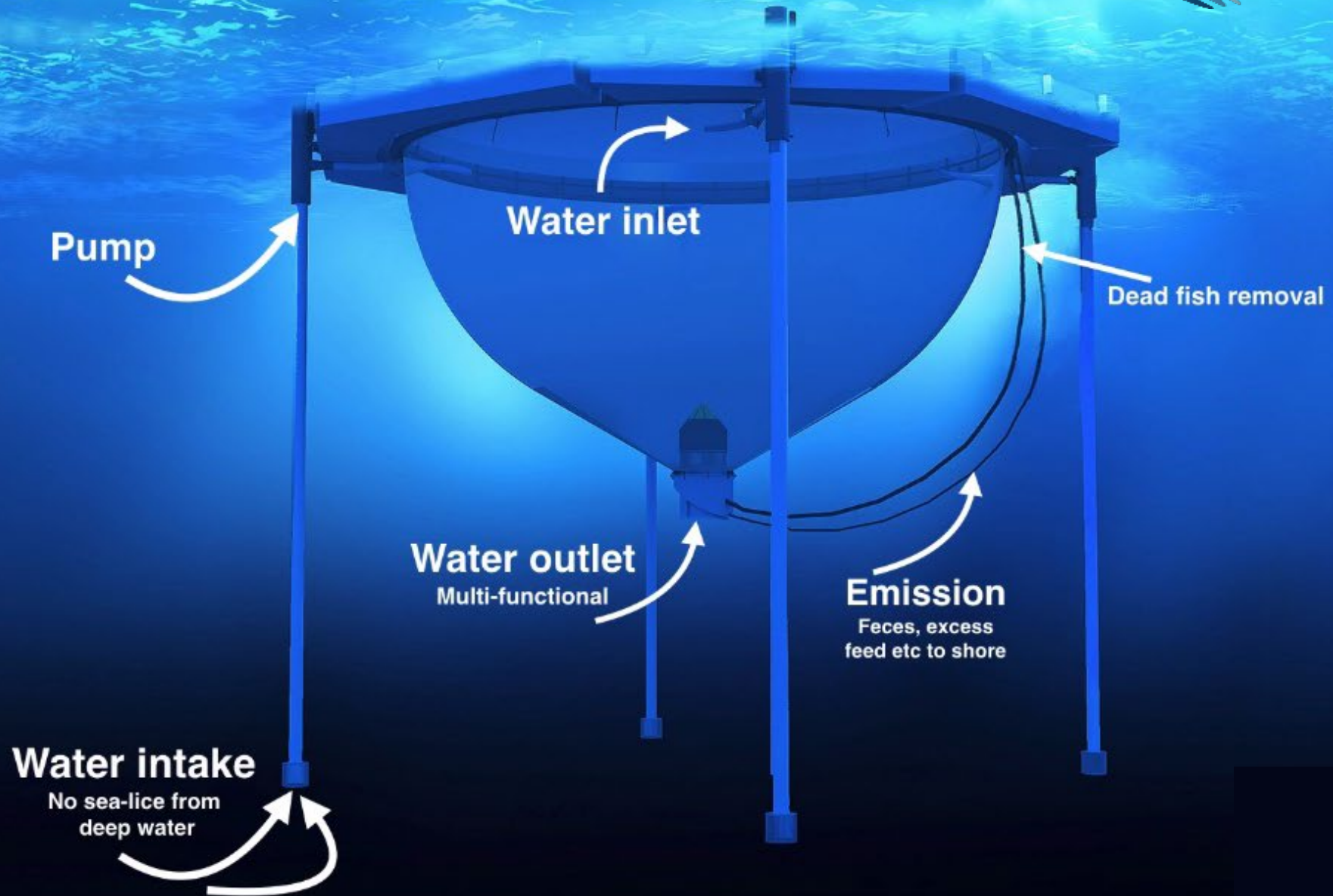
Akvapods eliminate interactions between Wild and Farmed

- ✓ Zero Sealice
- ✓ Zero Bi-catch
- ✓ Zero Escapes
- ✓ Zero Marine Mammal Interactions



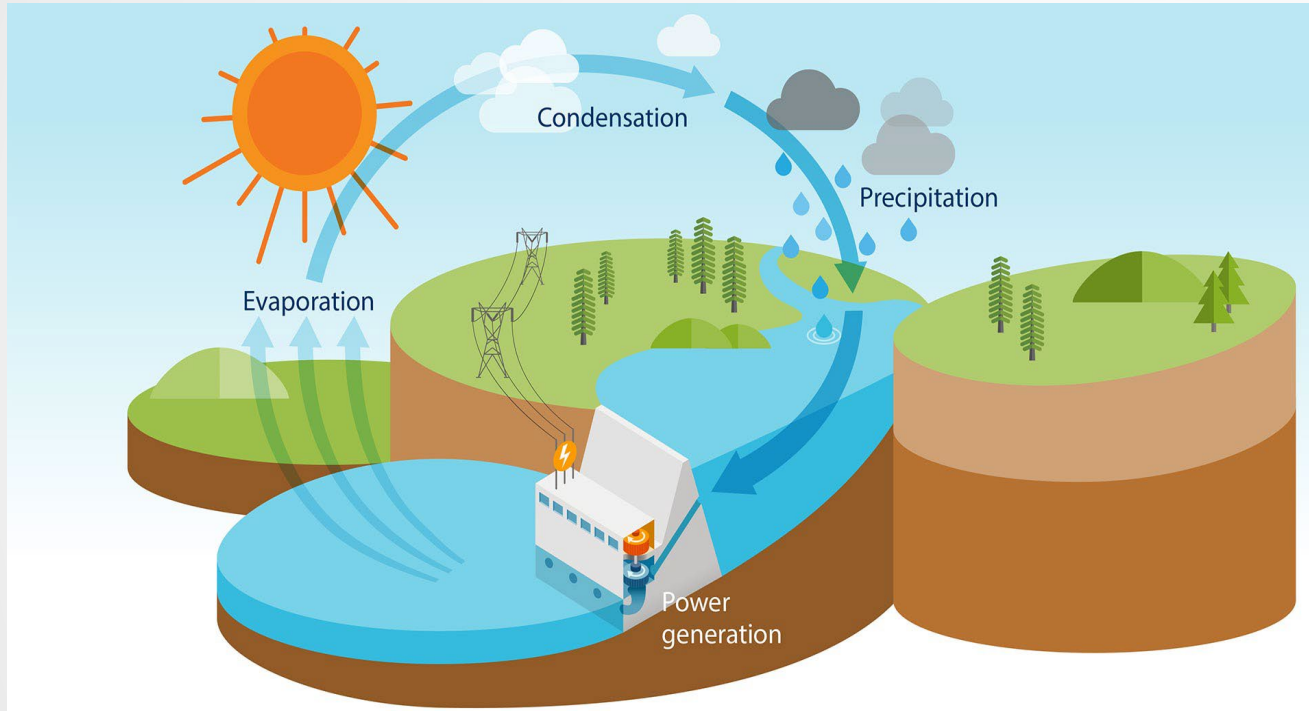
Over 30,000 Tonnes of Experience Growing Salmon in Akvapods





100% Renewable Energy

Extremely Energy Efficient!
Only pushes, not lifts water



Energy Consumption	Salmon Production
6,228 MWh = 5,334 Tonnes	

Energy Intensity/kg = 1.17 kwh/kg

This is not a distant utopia, Akvafuture is doing this today

But it needs to be economically sustainable, and for that we need scale!



Dried sludge collected



We are ready to grow!



Thank-you