# SUSTAINABLE SALMON FARMING PLAYS AN IMPORTANT ROLE IN FEEDING THE WORLD.

"GSI was a game-changer when it launched, but we never anticipated the level of impact it would have, not only on salmon farming, but on the food sector as a whole. In no other sector have we seen change at the speed and scale as we have done through the GSI."

Jason Clay, Senior Vice President, Food & Markets, World Wildlife Fund

Global population set to hit over **9 BILLION** *by* **2050**[1]

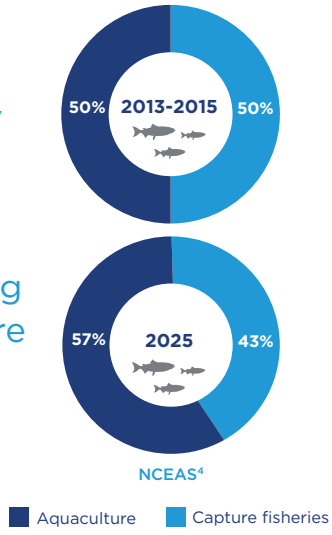
Demand for protein is set to **double** by **2050**[2]

**50%** of seafood is currently farmed. Aquaculture is **needed** to support wild fish stocks[3]

According to the United Nation's Food and Agriculture Organization (FAO), aquaculture is **growing faster** than any other major food production sector[3]

"Aquaculture, done in a socially and environmentally friendly manner, is the only way to meet the growing demand for seafood, while also creating jobs, generating revenues, and taking pressure off over-stretched capture fisheries."

Randall Brummet, The World Bank




NCEAS[4]

"Since 1961 the annual global growth in fish consumption has been twice as high as population growth, demonstrating that the fisheries and aquaculture sector is crucial in meeting FAO's goal of a world without hunger and malnutrition."

José Graziano da Silva, FAO Director-General

"All forms of food production can have environmental impact, of course. But new technology and lessons from the last 40 years have led to better practices that are being adopted by substantial segments of the industry."

The Nature Conservancy

**Farmed fish is the most resource-efficient animal protein on the planet**[5]

| | | | | |
|---|---|---|---|---|
| **Feed Conversion Ratio**[6] | **1.2-1.5*** | 1.7-2 | 2.7-5 | 6-10 |
| **Fresh Water**[6] | **1 Gallon** | 2,000 Gallons | 3,500 Gallons | 2,500 Gallons |
| **Carbon Footprint**[6] (t of $CO_2$-equivalent per t of edible protein) | **9.8*** | 42.3 | 57.6 | 337.2 |

## Aquaculture could feed the world and protect the planet.

"Aquaculture is inherently a resource-efficient means of producing food. Marine aquaculture requires no land and minimal fresh water."

Robert Jones, Aquaculture Lead, The Nature Conservancy

*Figures reflect feed conversion ratio and carbon footprint of farmed Atlantic salmon


[1] United Nations. 2017. World Population Projected to reach 9.8 billion in 2050, and 11.2 billion in 2100. Available from: https://www.un.org/development/desa/en/news/population/world-population-prospects-2017.html. Accessed October 2018

[2] Marine Harvest. Salmon Farming Industry Handbook 2018. 2018. Available from http://hugin.info/209/R/2200061/853178.pdf. Accessed October 2018.

[3] Food and Agriculture Organization of the United Nations (FAO). The State of World Fisheries and Aquaculture 2018. 2018. Available from: http://www.fao.org/3/I9540EN/i9540en.pdf. Accessed October 2018

[4] National Center for Ecological Analysis and Synthesis (NCEAS). 2018. Charting the Future of Seafood. Available from: https://ucsb.maps.arcgis.com/apps/Cascade/index.html?appid=26d6636aaf904372872ac572e706f5b4. Accessed October 2018

[5] Andy Sharpless. The Perfect Protein. 2015.

[6] Global Salmon Initiative (GSI). GSI Sustainability Report. 2018. Available from: http://globalsalmoninitiative.org/sustainability-report. Accessed October 2018.


GSI_Salmon

www.globalsalmoninitiative.org

# WHAT IS THE GLOBAL SALMON INITIATIVE?

The Global Salmon Initiative (GSI) is a leadership initiative established by leading salmon farming CEOs from around the world.

## OUR VISION

GSI members have a shared vision of providing a healthy and sustainable source of protein to feed a growing population, while minimizing their environmental footprint and continuing to improve their social and economic contribution.

To reach this vision, industry-wide change is needed and the GSI believes collaboration is the key to achieving this at speed and at scale.

**8** PARTICIPATING COUNTRIES

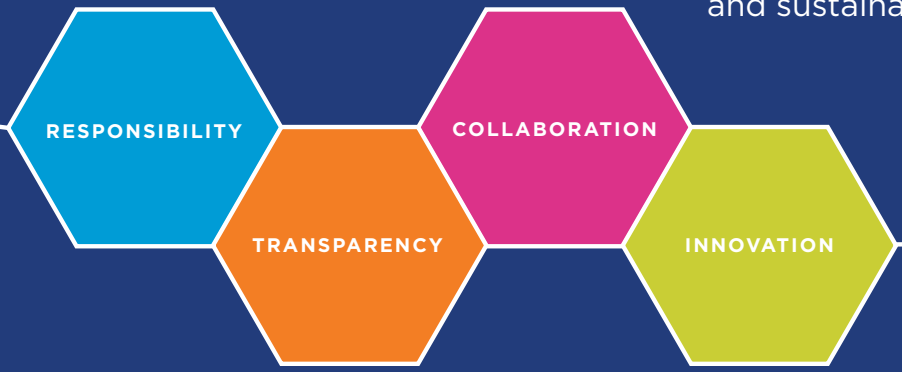
**8** SUPPLY CHAIN INVOLVEMENT THROUGH ASSOCIATE MEMBERS

**14 MEMBERS** ACCOUNTING FOR **~50%** OF THE GLOBAL SALMON FARMING INDUSTRY

CORE PRINCIPLES:

**SUSTAINABILITY TRANSPARENCY COOPERATION**

Through focusing on its four **#PathwaysToTheFuture** —responsibility, transparency, collaboration, and innovation—the GSI believes it can drive significant improvements in the sustainability performance of the aquaculture sector, making farmed salmon a healthy and sustainable solution to feed a growing population.




**Global Salmon Initiative**
**@GSI_salmon**
**#PathwaysToTheFuture**