

Cargill's Sustainable Aquaculture Initiative

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Focusing on feed for
**fish and
shrimp**



**Cargill Aqua
Nutrition**



+ 2,000 employees
20 countries
2m metric tons
40 facilities

Cargill Aqua Nutrition feed operations



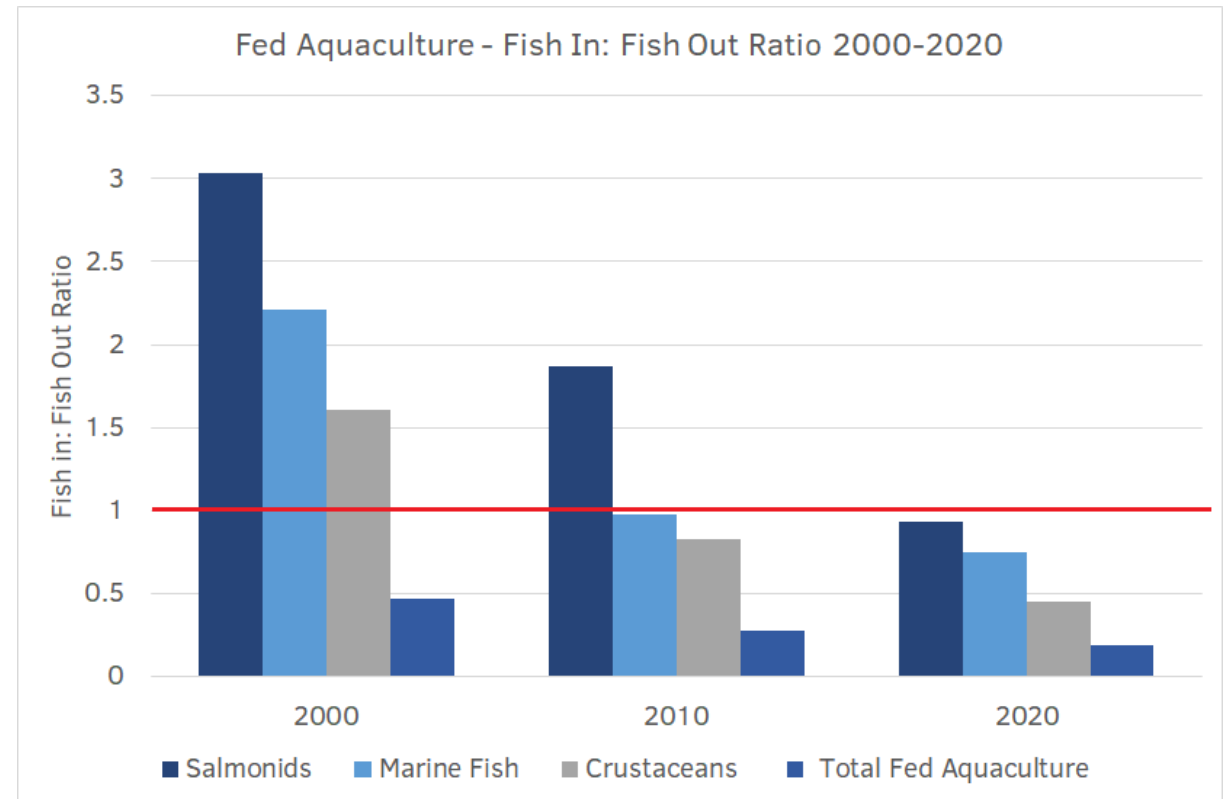
* Combined feed mill – shared livestock and aqua facilities

How far has finfish aquaculture progressed?

Today's aquafeeds are comprised of a diversity of ingredients, including:

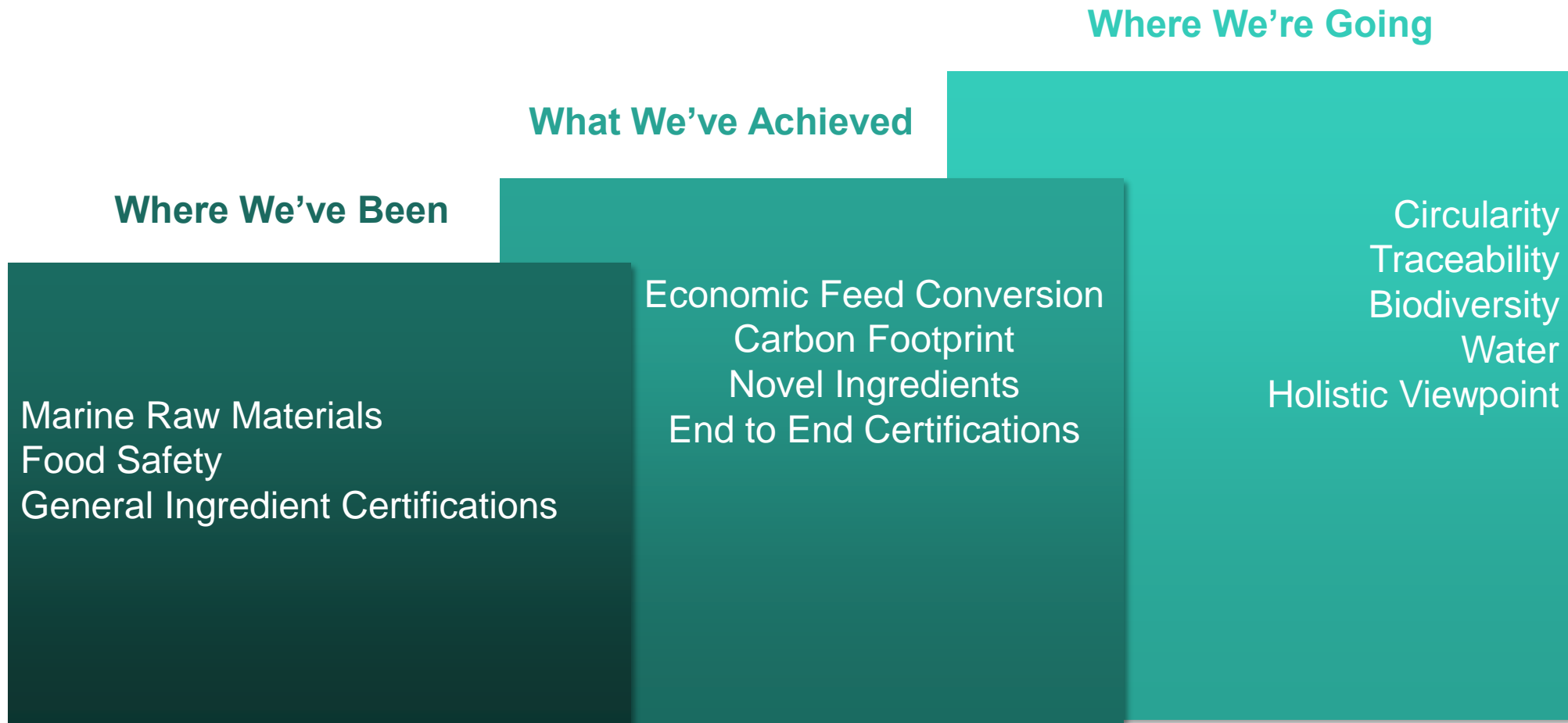
- Soybeans
- Corn
- Peas
- Wheat
- Barley
- Rice
- Oils from soybean, canola, and flaxseed
- Algae
- Seafood processing co-products
- Yeast
- Insects

Adoption of these ingredients has **reduced pressure on wild-caught fish stocks** and is more **cost-effective** for farmers



Source: National Aquaculture Association

The evolution of the aquaculture feed sector



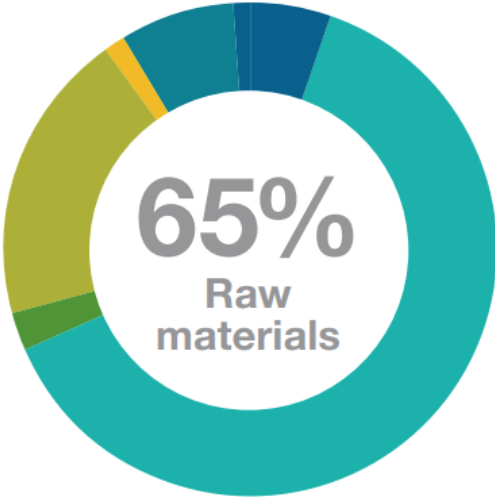
Aquaculture sector carbon footprint

- Marine proteins
- Vegetable oils
- Vegetable proteins
- Carbohydrates & binders
- Marine oils
- Micro ingredients

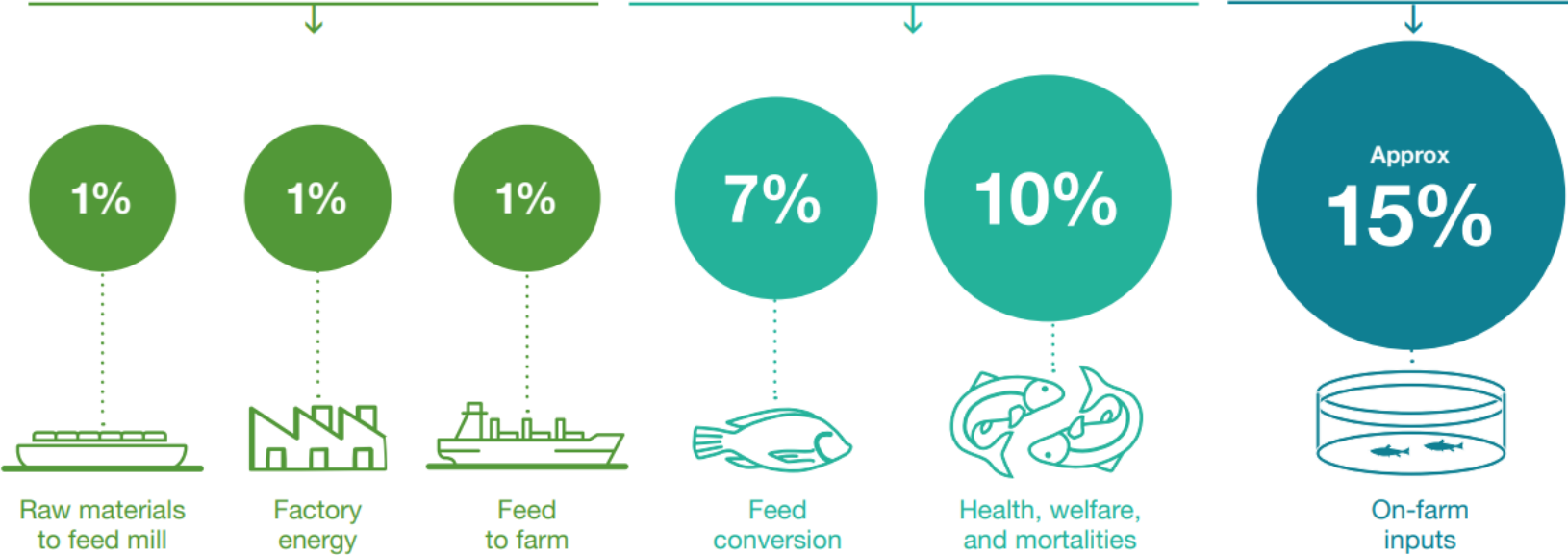
Raw material properties and distance to feed mill affect energy use for logistics and feed production.

Optimizing feeds for best conversion and safeguarding fish health and welfare through nutrition.

Reducing the need for farm inputs, such as treatments and on-farm energy.



Raw material mix Globally





One of our goals is to help salmon farmers chart a path to net-zero emissions, with a program aiming to reduce their carbon footprint by 30 percent by 2030 compared to a 2017 baseline.



SOURCE

Transforming supply chains



OPTIMIZE

Doing more with less



CARE

Safeguarding farmed fish