

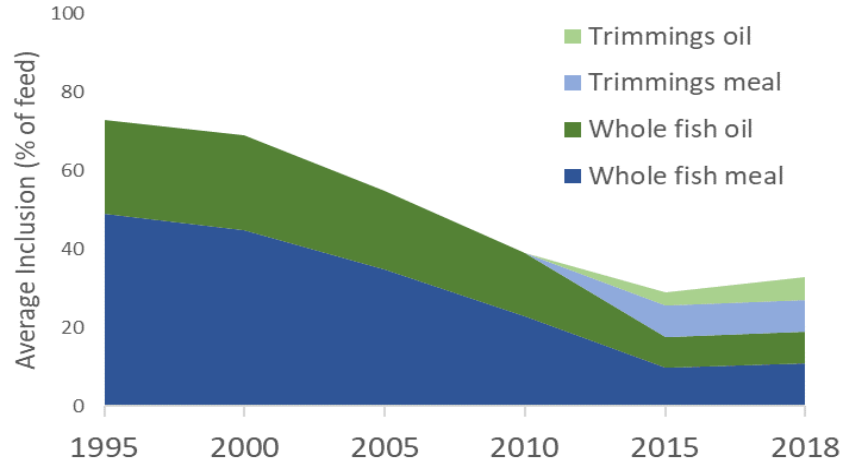


Sustainable Feed: Our need for sustainable ingredients

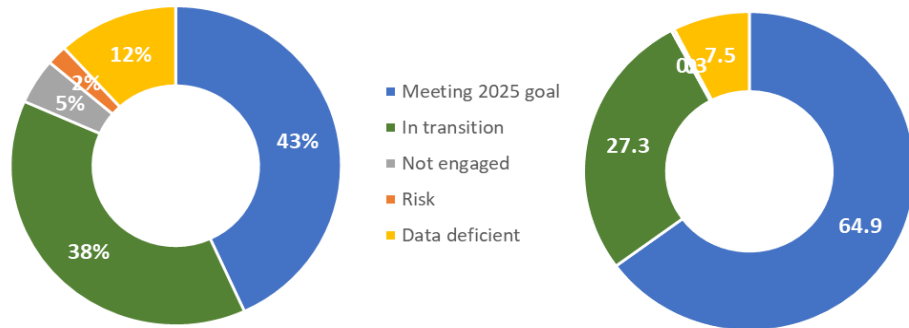


**Dr Dave Robb
Sustainability Director, Cargill Animal Nutrition and Health
25th October 2019**

Marine ingredients in feed have been a topic for 20 years



Average inclusion has decreased; increasing use of trimmings materials



Industry work to improve fishery management



How it works About us News

Cargill

Cargill is an international corporation providing food, agricultural, industrial and financial products. The company is a major supplier of fish feed to the global aquaculture industry, mainly to salmon, tilapia and shrimp operations, and has 38 fish feed production facilities operating across 20 countries.

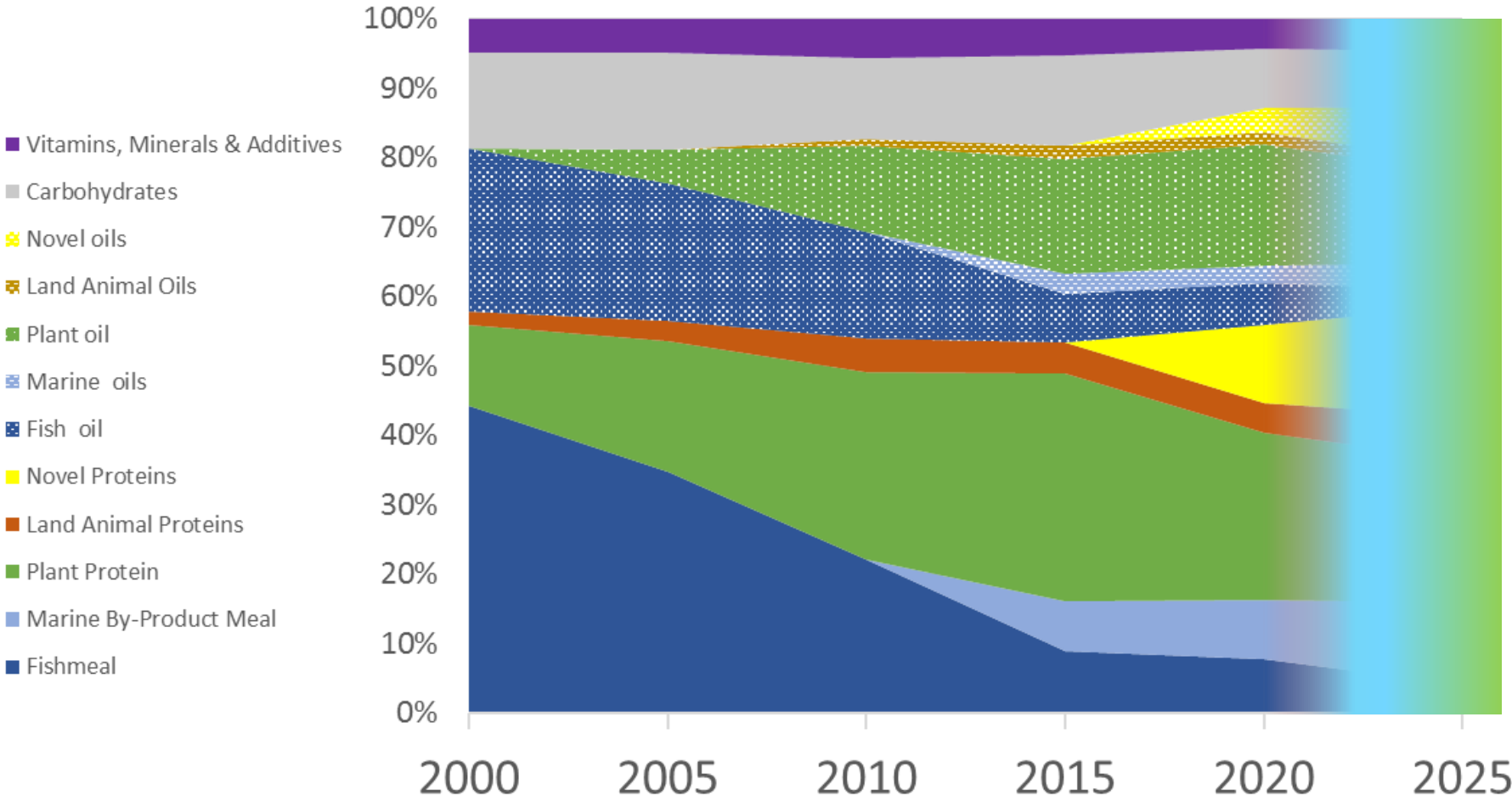
Number of Fisheries Used	Number of Fisheries Well Managed	Number of Fisheries Managed	Number of fisheries in need of improvement	Profile not yet complete
17	5	8	2	2

Increasing transparency



Stakeholder interest continues

Cargill wants to be able to source sustainably and to demonstrate that to our stakeholders...



100% responsibly sourced materials

Traceable and verifiable

Select freely according to consumer & customer needs



To show that we source sustainably, we need better data from our suppliers to prove origin and catch information...

Key Data Elements (KDEs) are identified for marine ingredients



GLOBAL DIALOGUE
on Seafood Traceability



Catch Information (information needed to identify the fishery)

	Raw Material / Species	Scientific Name	Whole Fish / Trimmings	% Split	Fishing Gear	FAO Fishing Area	FAO Fishing Subarea	Fishing Jurisdiction Where Caught		Flag State of Fishing Vessel	Port of Landing
								Country	Region / Province		
1	Anchovy (Pacific anchoveta)	Engraulis encrasicolus	Whole fish	100	Purse seines (PS)	87 Pacific, Southeast	87.1 Northern	Peru, PE	North-Central	Peru, PE	Chimbote
2											
3											
4											
5											
6											
7											

Sustainability Information (information about the quality of the fishery management)

	Raw Material / Species	Fish Source Profile (add website link for species)	Fishery Status on Day of Processing				MSC Fishery Name	MSC Coc Number	Fish Source Score on Day of Processing					Is the FIP listed on FisheryProgress?	What is the FIP name?
			Basic FIP / IFFO RS IP	IFFO RS Approved	FIP to MSC	MSC Cert			1	2	3	4	5		
1	Anchovy (Pacific anchoveta)	https://www.fishsource.org/stock_page/1383	n/a	Yes	Yes	n/a		>6	>8	10	>6	>6	Yes	Peruvian anchovy - industrial purse seine	
2															
3															
4															
5															
6															
7															

The main salmon feed companies expect these to support each batch delivered



The global marine ingredients sector has major challenges to address – we will only succeed by working together...



“Protecting marine resources matters because healthy oceans support a diverse array of life, including our own. Cargill has a unique opportunity to incentivize sustainable ocean management with their 2025 commitment both to source more sustainable ingredients and to support the transition of source fisheries around the world.”

Carter Roberts
President and CEO, WWF-US

- Generally clear progression towards sustainable management in Europe and Americas
- **Fishery Improvement Projects** to lift up management standards and fishing behaviour
- Key challenges to sector image – need to deliver real change in Africa and Asia
- But we also have challenges in Europe..

Coastal states' failure to agree quotas in NE Atlantic affects all fishermen. What can the industry do to regain MSC?

Mackerel is off the menu as stocks fall

Ben Webster, Oceans Correspondent

February 2 2019, 12:01am,
The Times



The Herald

Mackerel loses its coveted MSC sustainability rating

2 Feb 2019 [+4 more](#) JAMES HAMILTON

Environment

British mackerel has sustainable status stripped after years of overfishing

'This news will be a disappointment for the fishermen as well as for mackerel loving consumers'

Josh Gabbatiss Science Correspondent | @josh_gabbatiss |
Sunday 3 March 2019 13:49 |





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