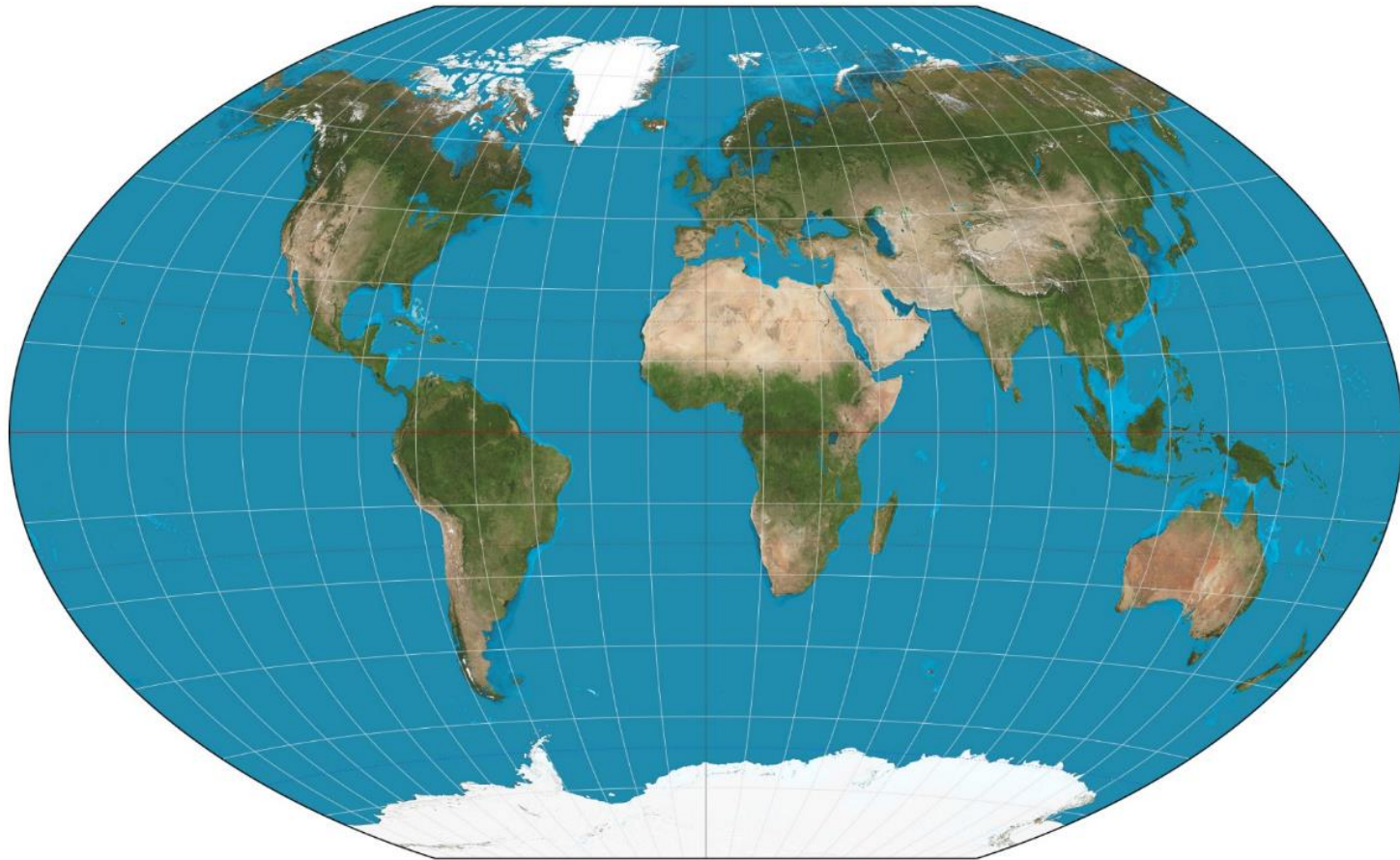
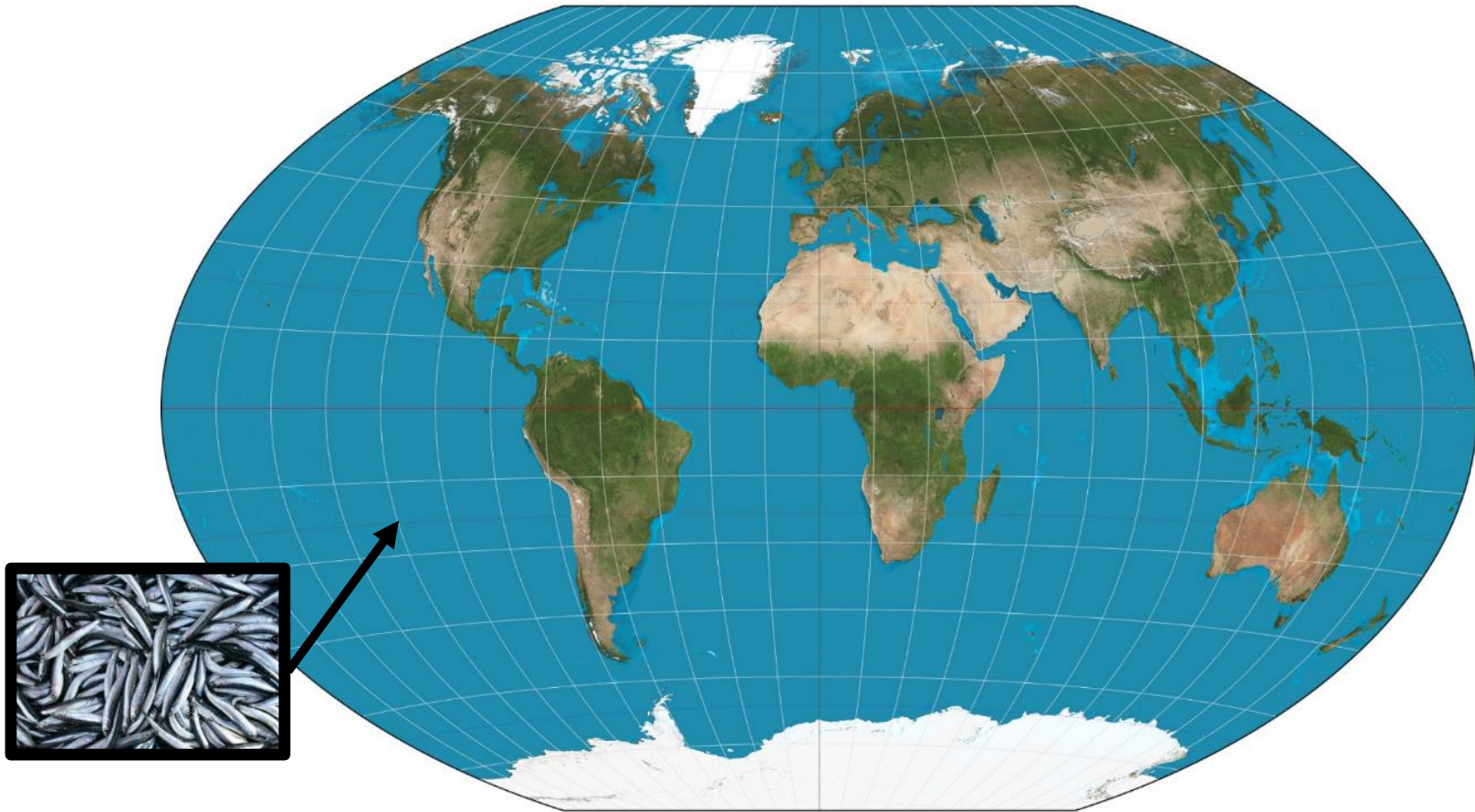


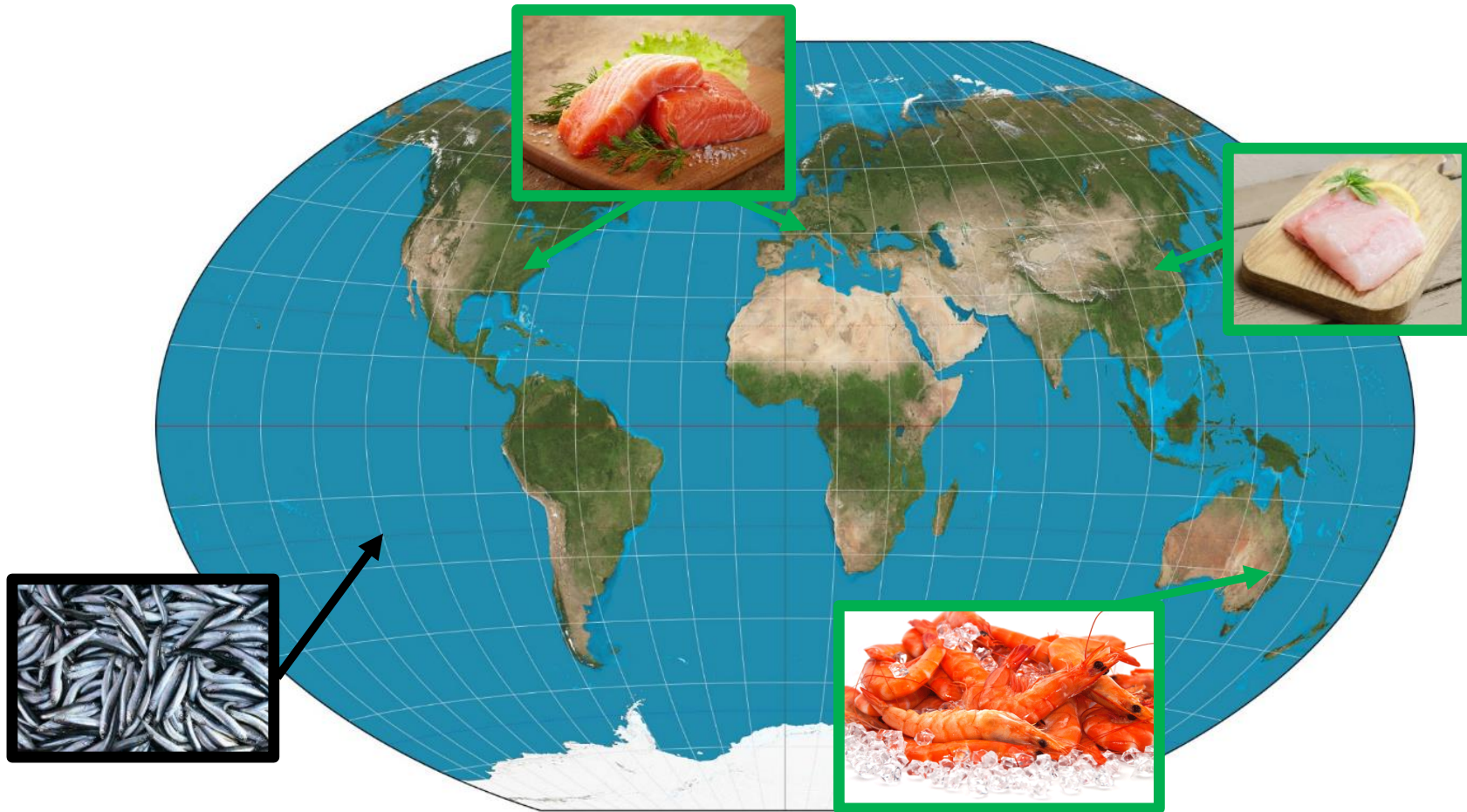
Fish in Fish out (FIFO)



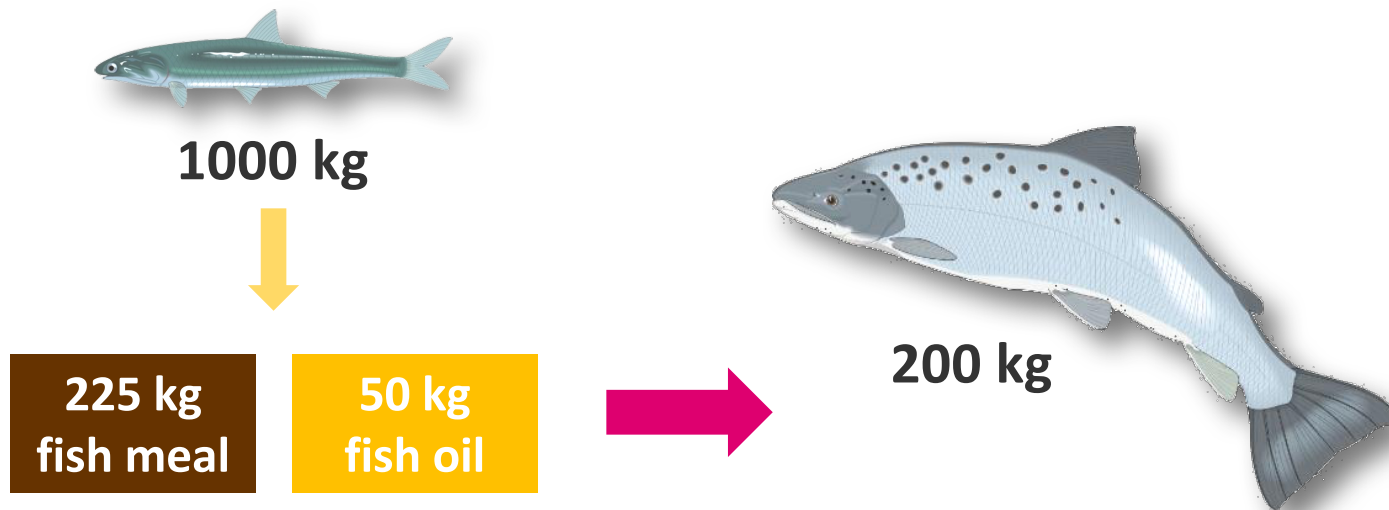
Fish in Fish out (FIFO)



Fish in Fish out (FIFO)



FISH IN, FISH OUT RATIOS CAN MISLEAD



Assumptions

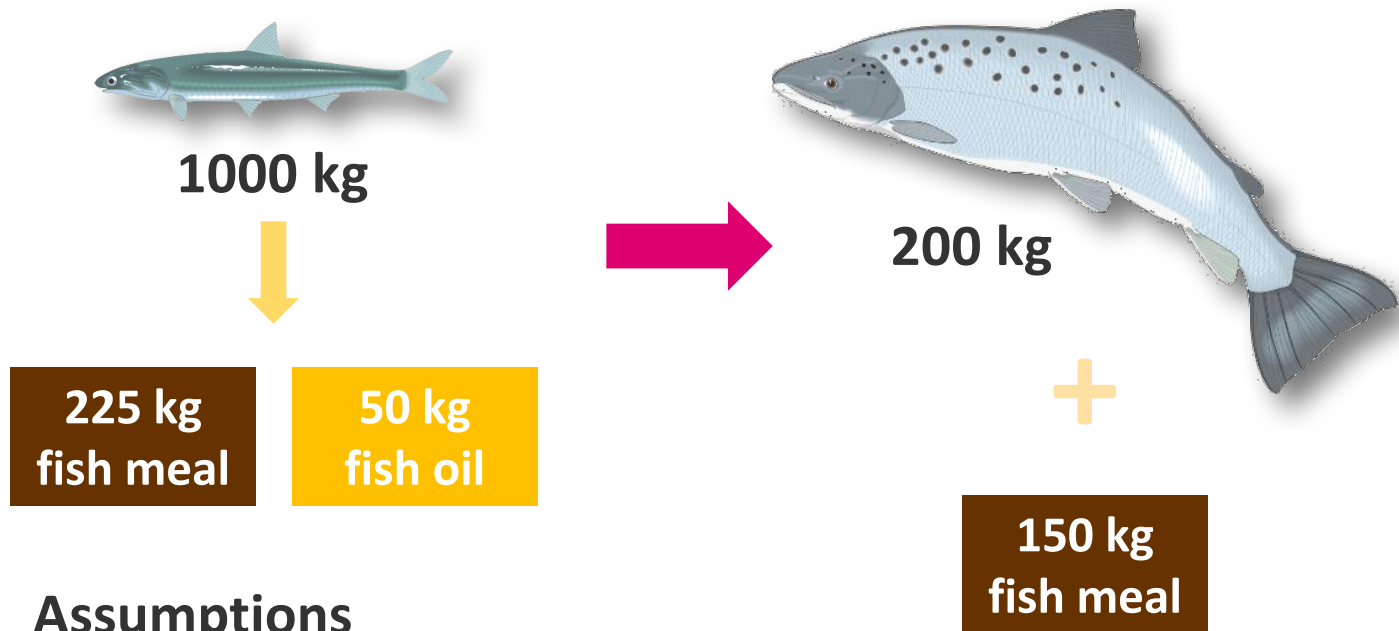
20% fish oil, 30% fish meal in diet

FCR = 1.25

(Jackson 2009)

FIFO = 5.0

FISH IN, FISH OUT RATIOS CAN MISLEAD



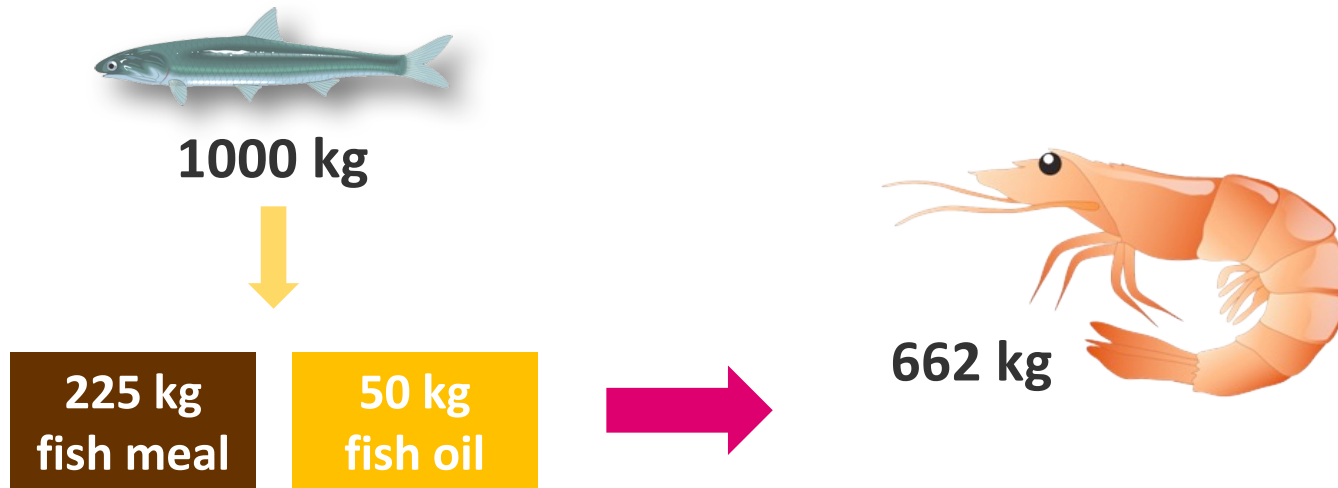
Assumptions

20% fish oil, 30% fish meal in diet

FCR = 1.25

(Jackson 2009)

FISH IN, FISH OUT RATIOS CAN MISLEAD



Assumptions

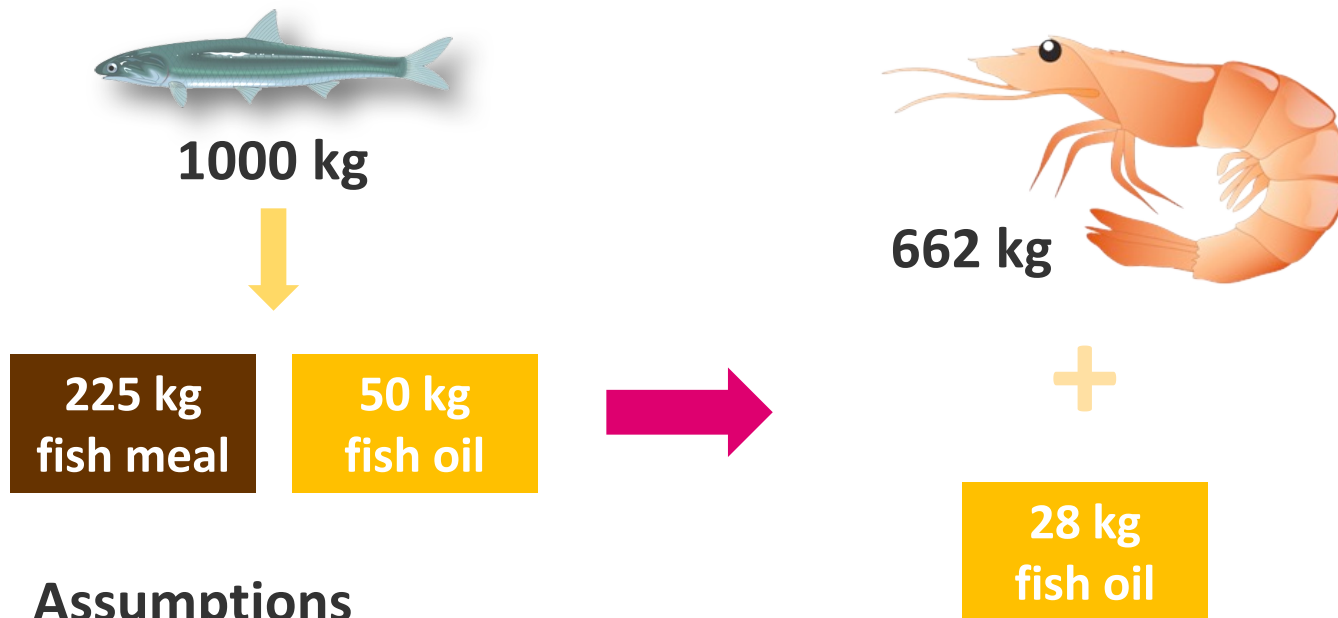
2% fish oil, 20% fish meal in diet

FCR = 1.7

(Jackson 2009)

FIFO = 1.5

FISH IN, FISH OUT RATIOS CAN MISLEAD



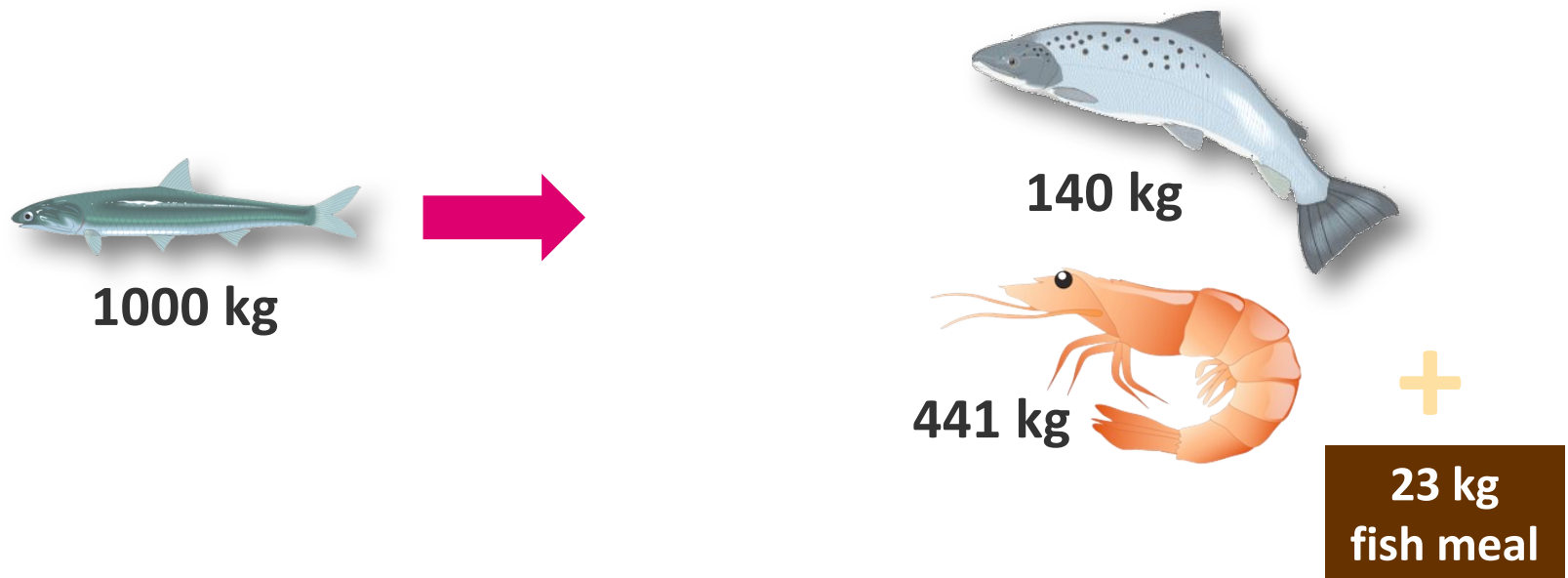
Assumptions

2% fish oil, 20% fish meal in diet

FCR = 1.7

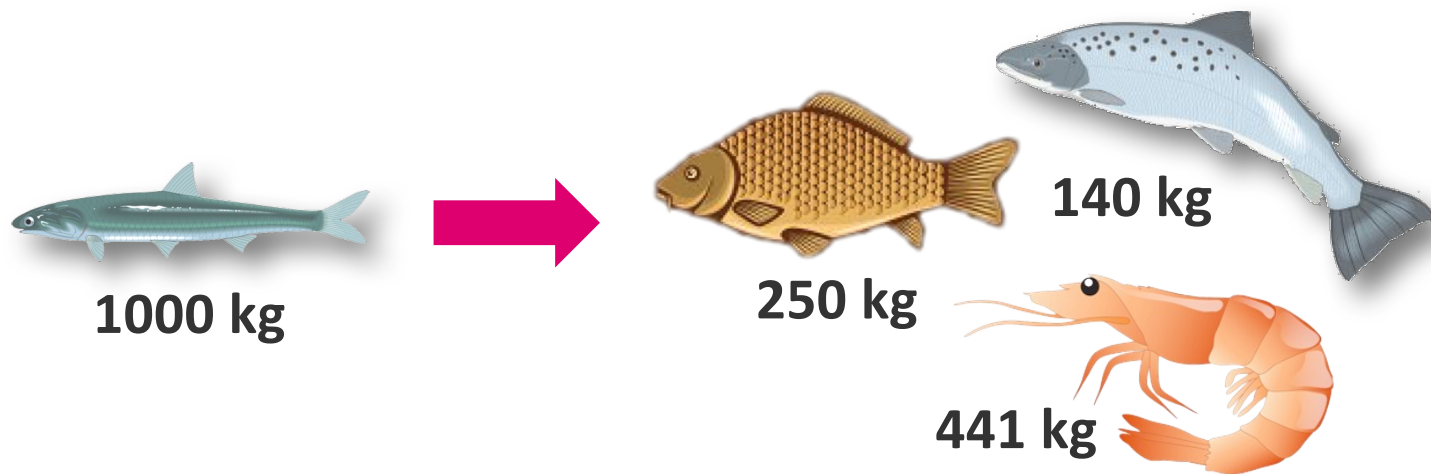
(Jackson 2009)

AQUACULTURE IS A NET PRODUCER OF FISH



Adapted from: J.T. Trushenski 2014 "Is Aquaculture Sustainable? Mythbusting Feed, Food, and the Future".
<https://www.youtube.com/watch?v=rMf7VyfLAnc>

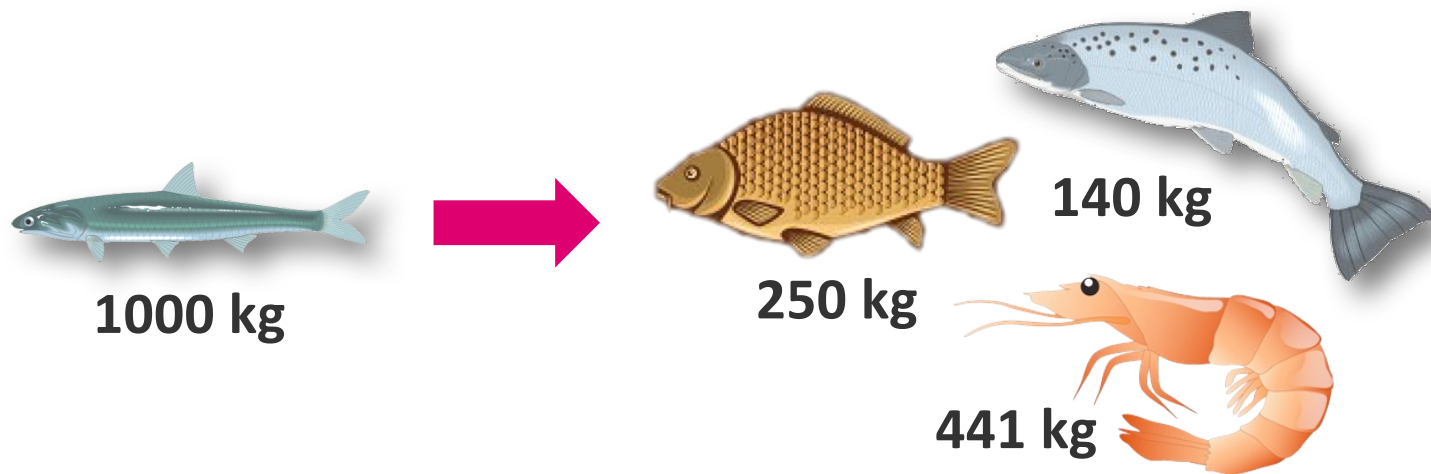
AQUACULTURE IS A NET PRODUCER OF FISH



FIFO ratios =1.2

Adapted from: J.T. Trushenski 2014 "Is Aquaculture Sustainable? Mythbusting Feed, Food, and the Future".
<https://www.youtube.com/watch?v=rMf7VyfLAnc>

AQUACULTURE IS A NET PRODUCER OF FISH



Global FIFO ratios for fed fish are less than 0.7

More than 40% more fish comes out than goes in

