

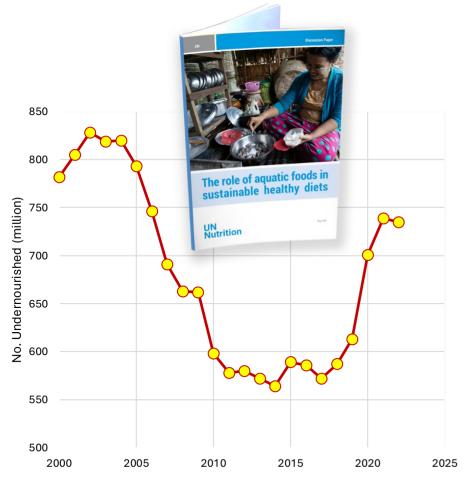


The State of the World Fisheries and Aquaculture: Blue Transformation in Action

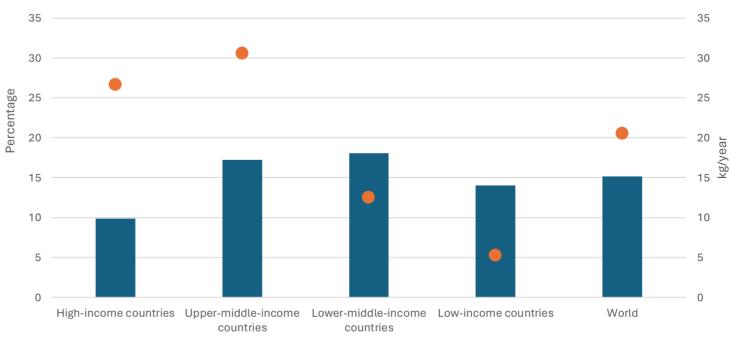
G20 Agriculture Working Group 11-12 June 2024, Brasilia, Brazil

Carlos Fuentevilla
Fishery Officer, FAO-UN

#### THE GROWING CHALLENGE TO FEED THE WORLD

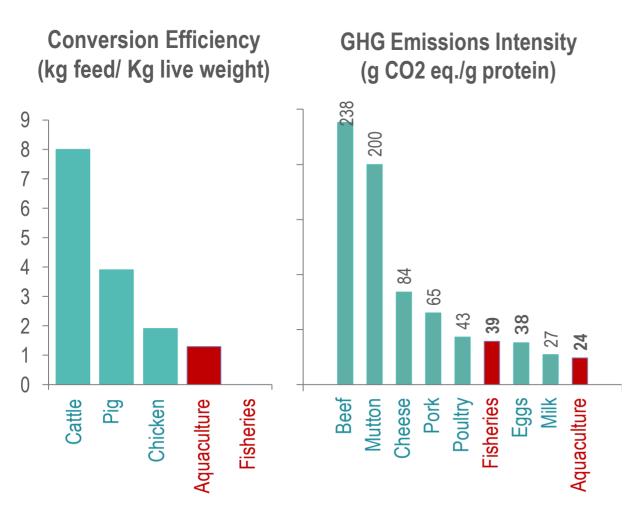


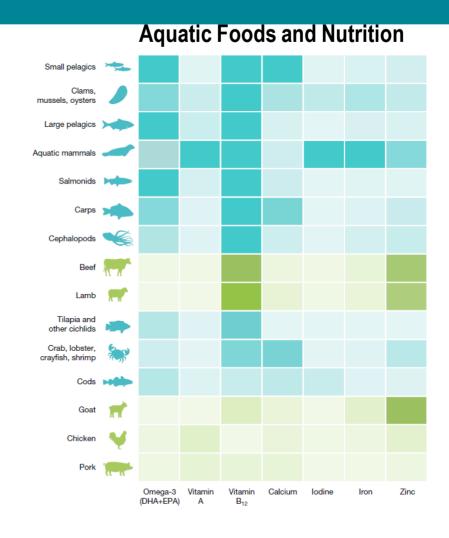
### APPARENT CONSUMPTION OF AQUATIC ANIMAL FOODS & CONTRIBUTION TO **SUPPLY OF ANIMAL PROTEINS, 2021**



■ Contribution of aquatic animal foods to animal protein supply (left axis) • Apparent aquatic animal food consumption per capita (right axis)

## **AQUATIC FOODS AS A SOLUTION**







# **BLUE TRANSFORMATION**



www.fao.org/documents /card/en/c/cc6646EN





## FAO BLUE TRANSFORMATION: VISION FOR AQUATIC FOOD SYSTEMS



#### **OBJECTIVE 1**

Sustainable aquaculture intensification and expansion

#### **OUTCOME**

Sustainable aquaculture production grows by at least 35 percent by 2030



#### **OBJECTIVE 2**

**Effective management of all fisheries** 

#### **OUTCOME**

100 percent of marine and inland fisheries is under effective management, no IUU, livelihoods



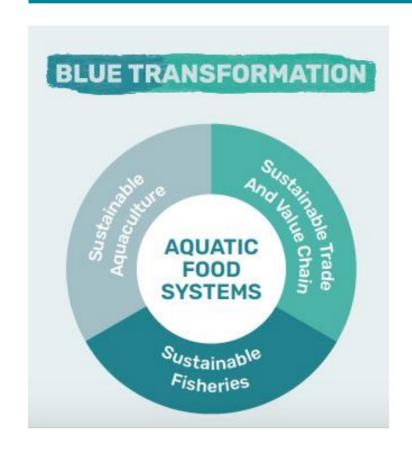
#### **OBJECTIVE 3**

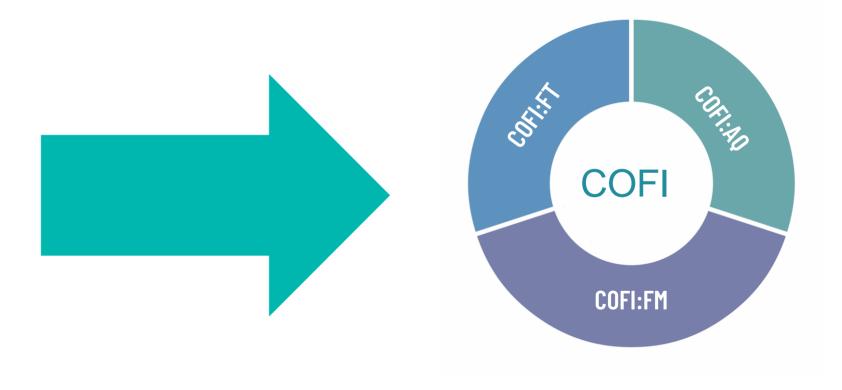
**Upgraded value chains** 

#### OUTCOME

Loss and waste halved by 2030, more transparency and traceability, better market access, more equitable returns, higher consumption

## ENHANCED ALIGNEMENT AND DELIVERY



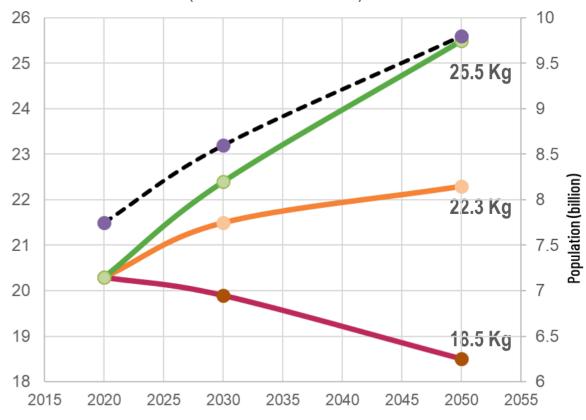


**GOVERNING BODIES** STRATEGIC VISION

# WHERE WE NEED TO BE



## Per capita consumption (kg/yr) (Scenarios to 2050)

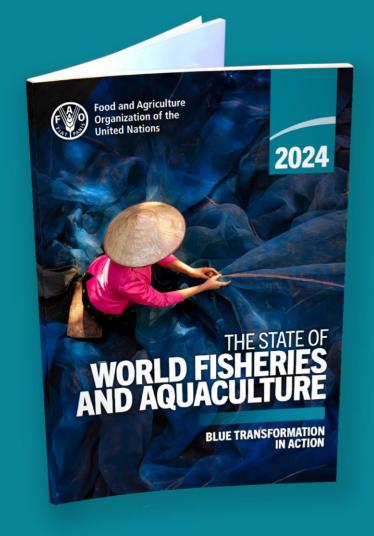








2024



# THE STATE OF WORLD FISHERIES AND AQUACULTURE

**BLUE TRANSFORMATION IN ACTION** 



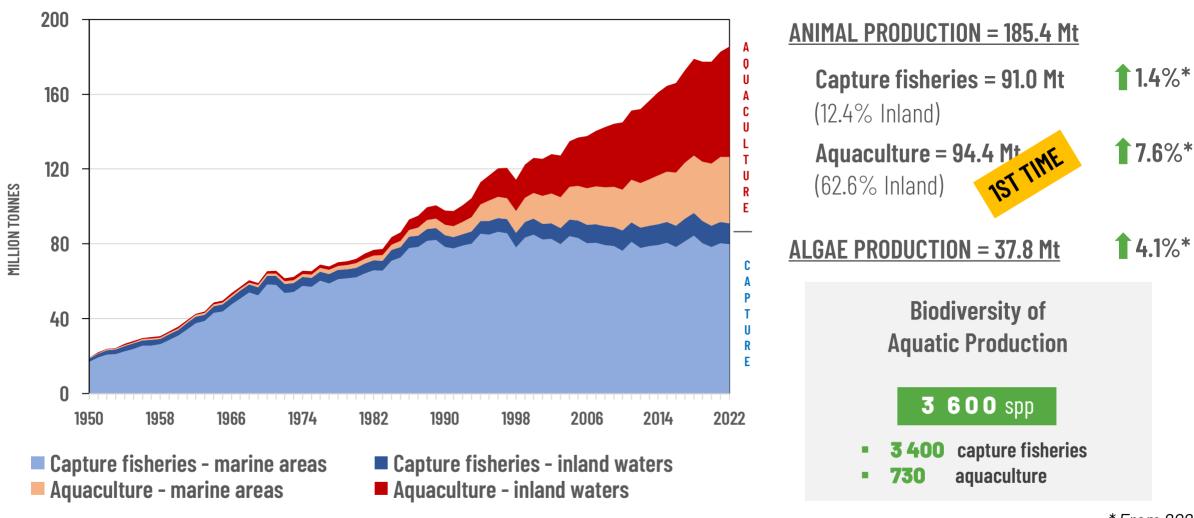
# **BLUE TRANSFORMATION**

# **WORLD FISHERIES AND AQUACULTURE PRODUCTION** IS AT AN ALL-TIME HIGH

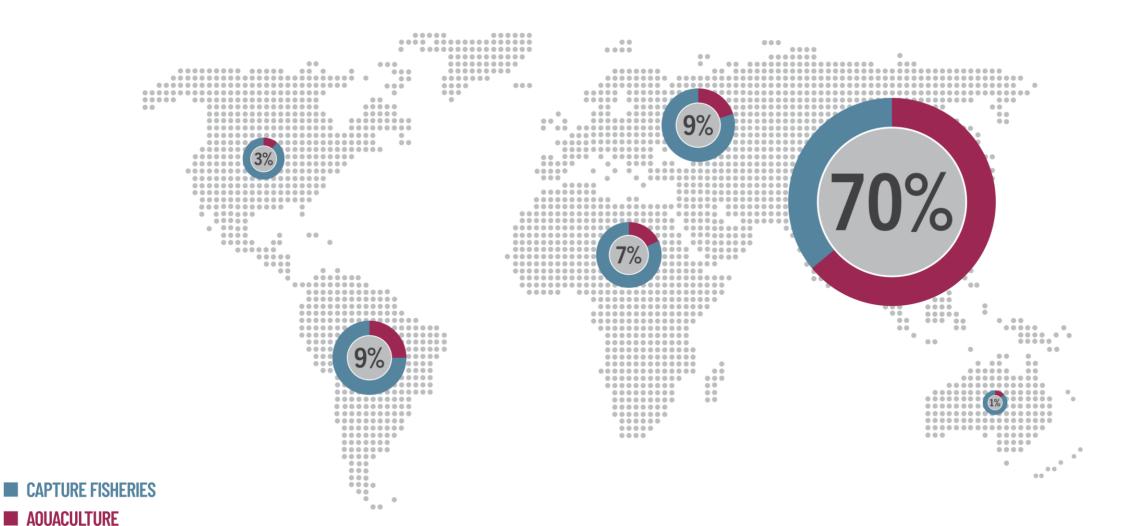




# TOTAL FISHERIES AND AQUACULTURE PRODUCTION 2022 = 223.2 Mt, A NEW RECORD



#### **WORLD ANIMAL PRODUCTION BY REGION IN 2022**



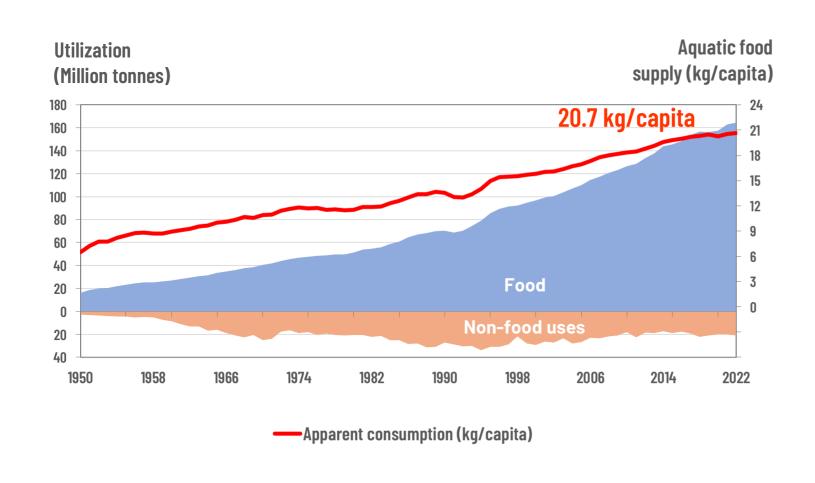


# **BLUE TRANSFORMATION**

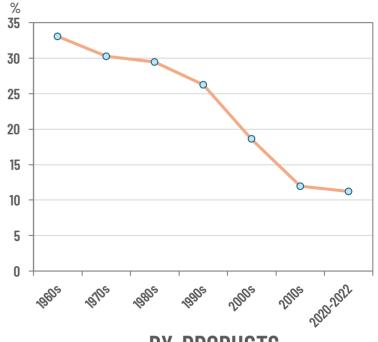
THE CONTRIBUTION OF **AQUATIC FOOD SYSTEMS TO GLOBAL FOOD SECURITY AND NUTRITION IS GROWING** 



# UTILIZATION AND APPARENT CONSUMPTION 2021 = 165 Mt, 20.7 kg/person



#### PRODUCTION NOT USED FOR **DIRECT HUMAN CONSUMPTION**



**BY-PRODUCTS** 





**53**% FISH OIL

# **AQUATIC FOOD AND NUTRITION**

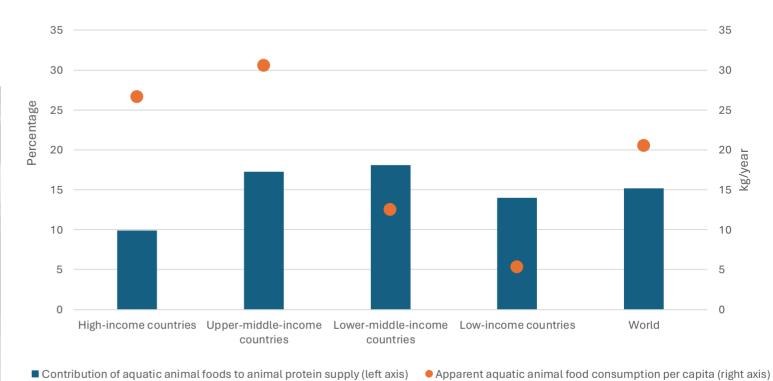








# APPARENT CONSUMPTION OF AQUATIC ANIMAL FOODS & CONTRIBUTION TO SUPPLY OF ANIMAL PROTEINS, 2021

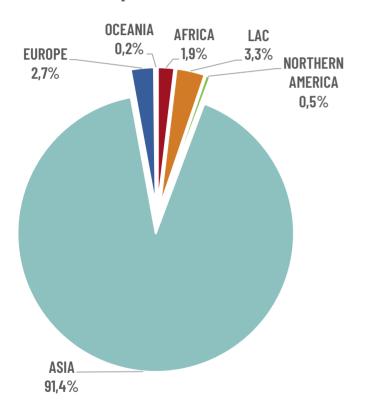


# AQUACULTURE HAS THE POTENTIAL TO MEET THE GROWING DEMAND FOR AQUATIC FOODS



# WORLD AQUACULTURE PRODUCTION IN 2022 - 130.9 MT (94.4MT ANIMALS), A NEW RECORD

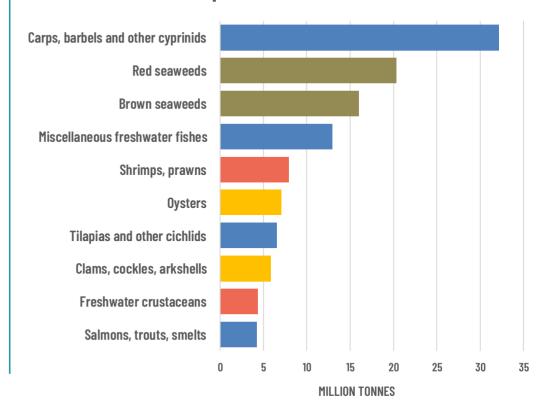
#### REGIONAL AQUACULTURE PRODUCTION



#### **AQUACULTURE DEVELOPMENT**

Growth 2000-2022 (%)	
Africa	8.1
APR	
LAC	
7.6 APR	
N America	0.5
APR	
Asia	
<b>5.2 APR</b>	
Europe	2.5
APR	
<b>Oceania</b>	2.7
ΛDD	

#### TOP AQUACULTURE GROUPS

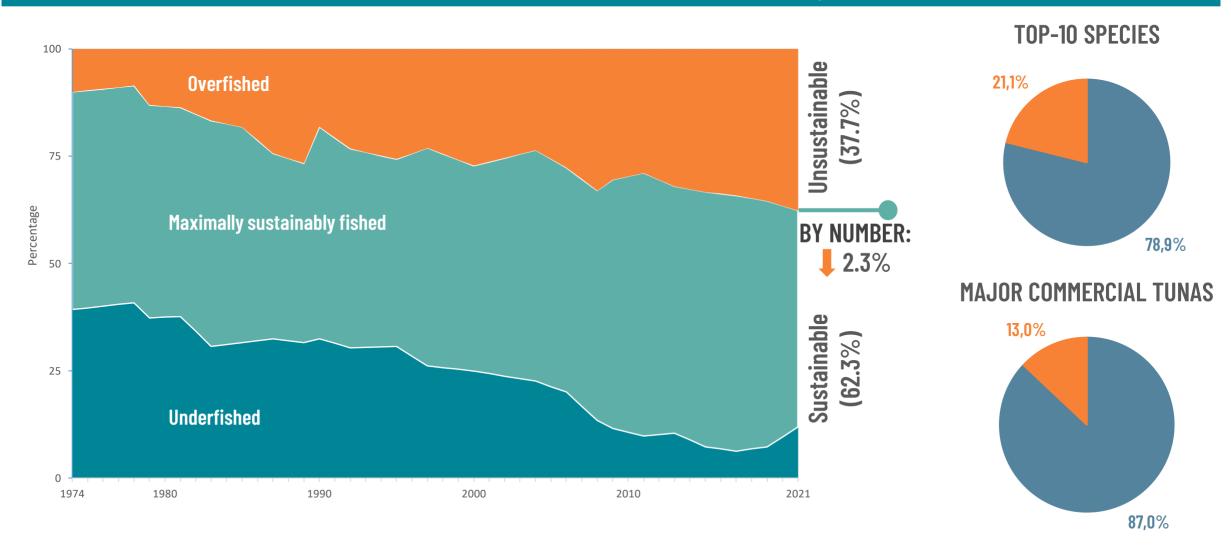




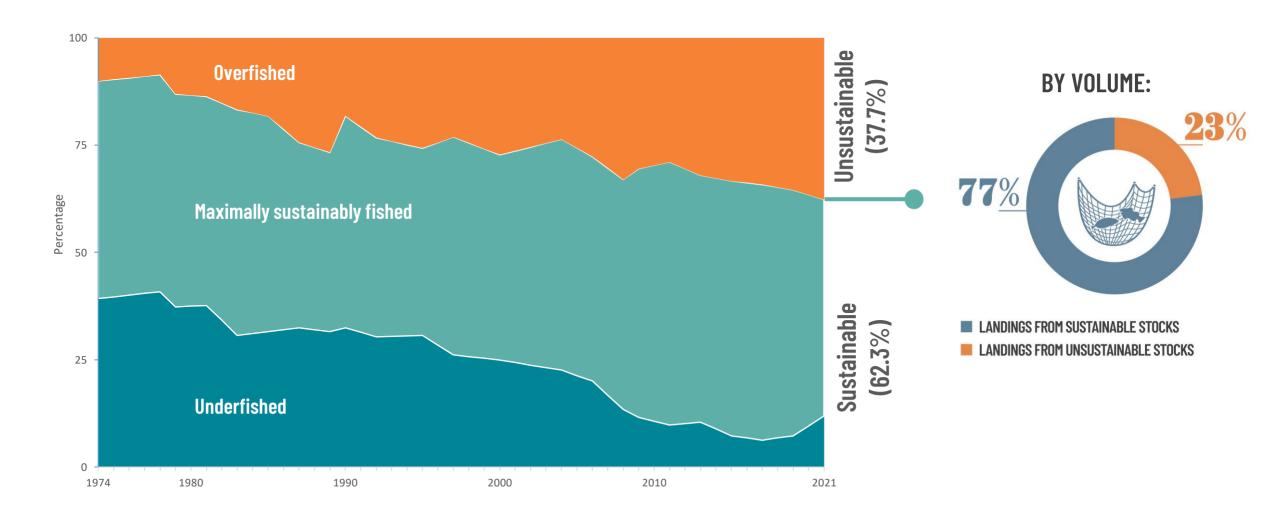
MARINE CAPTURE: VITAL. **PRODUCTION GLOBALLY** STABLE, BUT SUSTAINABILITY **REMAINS A CONCERN** 



# GLOBAL TRENDS IN THE STATE OF THE WORLD'S MARINE FISH STOCKS, 1974-2021



# GLOBAL TRENDS IN THE STATE OF THE WORLD'S MARINE FISH STOCKS, 1974-2021

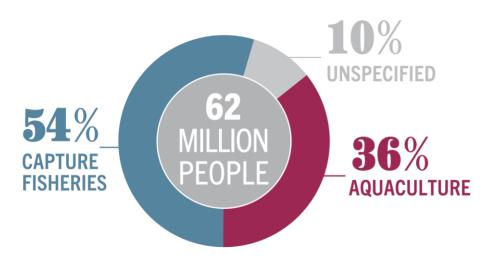


# AQUATIC FOOD SYSTEMS ARE ALSO CRUCIAL FOR LIVELIHOODS, TRADE AND SUSTAINABLE DEVELOPMENT



# SECTOR INCREASINGLY IMPORTANT IN PROVIDING EMPLOYMENT

#### PRIMARY SECTOR



+ SECONDARY SECTOR

# 600 MILLION PEOPLE

Primary and secondary sector (post-harvest), subsistence and their dependents.





**62%** WOMEN IN THE SECONDARY SECTOR

\* refers to the portion of the data for which disaggregation by gender is available (~ 60% of the data)

# SECTOR INCREASINGLY IMPORTANT IN CONTRIBUTING TO LOCAL ECONOMIES

TOTAL FIRST SALE VALUE ~ **USD 472 BILLION, NEW RECORD** 

STATES AND TERRITORIES THAT TRADE IN THE SECTOR ~ 230



**AQUACULTURE** USD 312.8 billion



**CAPTURE FISHERIES** USD 159.0 billion

TRADE VOLUME AND VALUE (Aquatic Animals)

70.0 Mt

LIVE WEIGHT EQUIVALENT

USD 192.0 billion

**IN VALUE** 





# **BLUE TRANSFORMATION**

MORE IS EXPECTED FROM AQUATIC FOOD SYSTEMS.

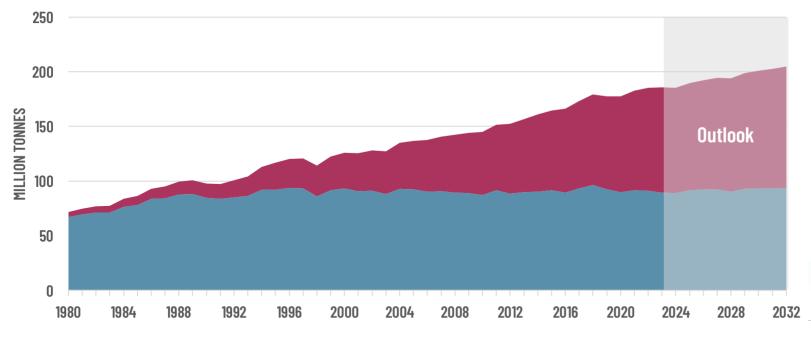
WE MUST ENSURE FURTHER **GROWTH IS SUSTAINABLE,** IMPACTFUL AND EQUITABLE.



Capture fisheries production

# PRODUCTION OF AQUATIC ANIMALS EXPECTED TO GROW BY 10% BY 2032, TO REACH 205 Mt

#### WORLD FISHERIES AND AQUACULTURE PRODUCTION OF AQUATIC ANIMALS 1980-2032

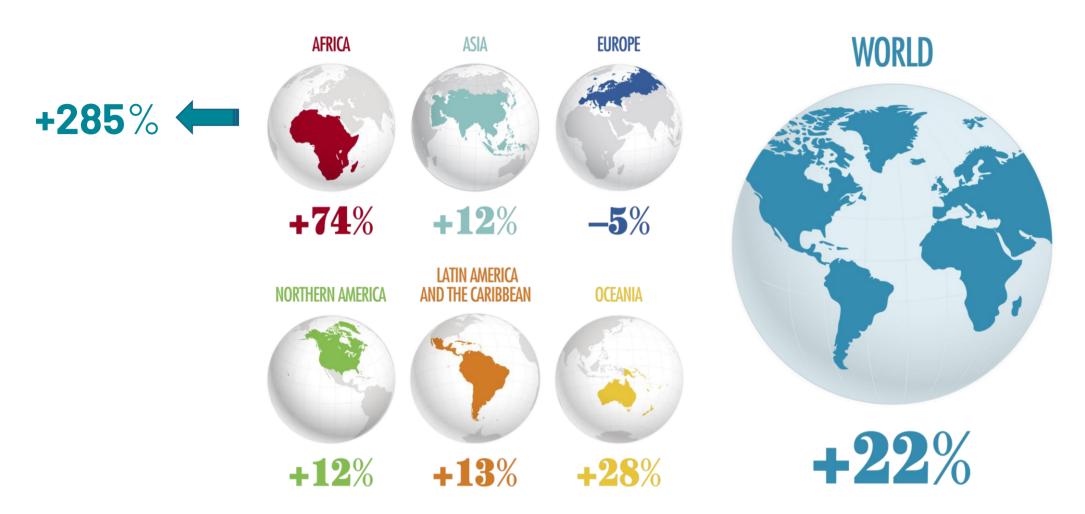


■ Aquaculture production

## APPARENT CONSUMPTION OF AQUATIC ANIMAL FOODS



# **NEED FOR GROWTH IN AQUATIC ANIMAL SUPPLY BY REGION BY 2050\***



<sup>\*</sup>Supply needed to sustain 2022 per capita consumption by region.

