Introduction of eco-labeling and lessons learned



Marine Eco-Label Japan Council (MEL Council)

Masaya Katoh, PhD

Secretary General & Technical Manager





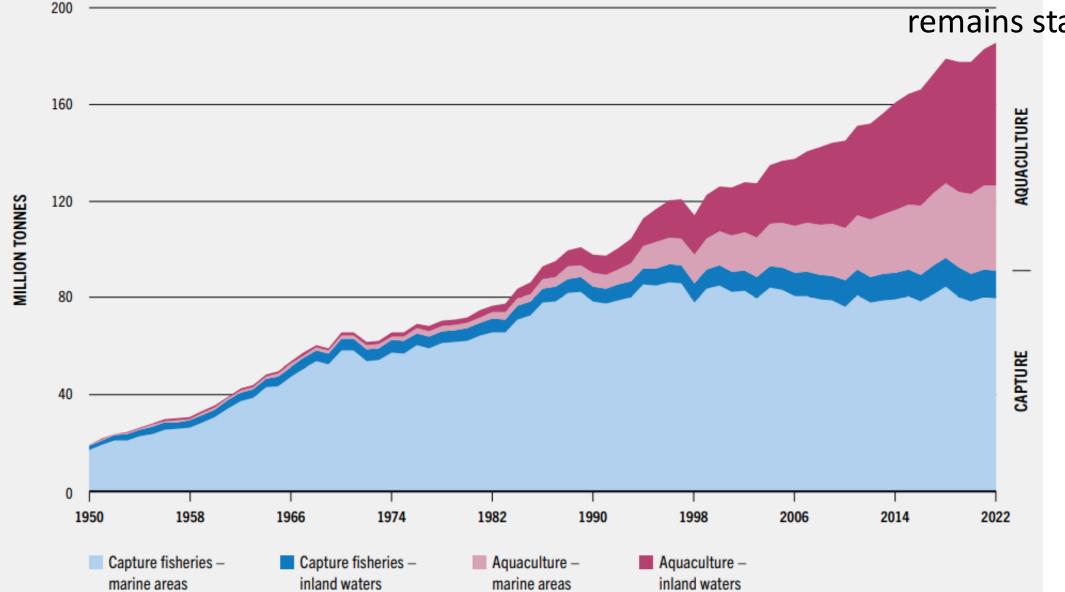
Today's Topics



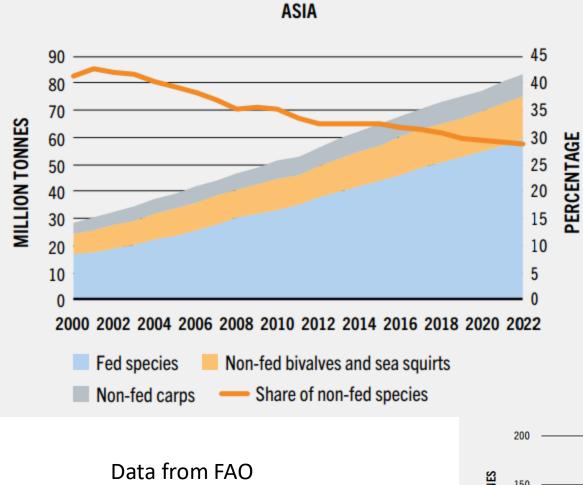
- Global Capture Fisheries and Aquaculture
- the Fisheries and Aquaculture Sector in Japan
- Fisheries Reform and Progress in Japan
- Seafood Expo Global (Barcelona, Spain) in April 2024
- Marine Eco-Label Japan

FIGURE 1 WORLD FISHERIES AND AQUACULTURE PRODUCTION OF AQUATIC ANIMALS

Global capture fisheries production remains stable.

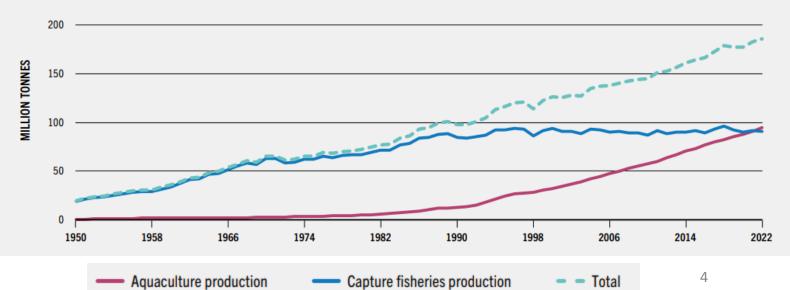


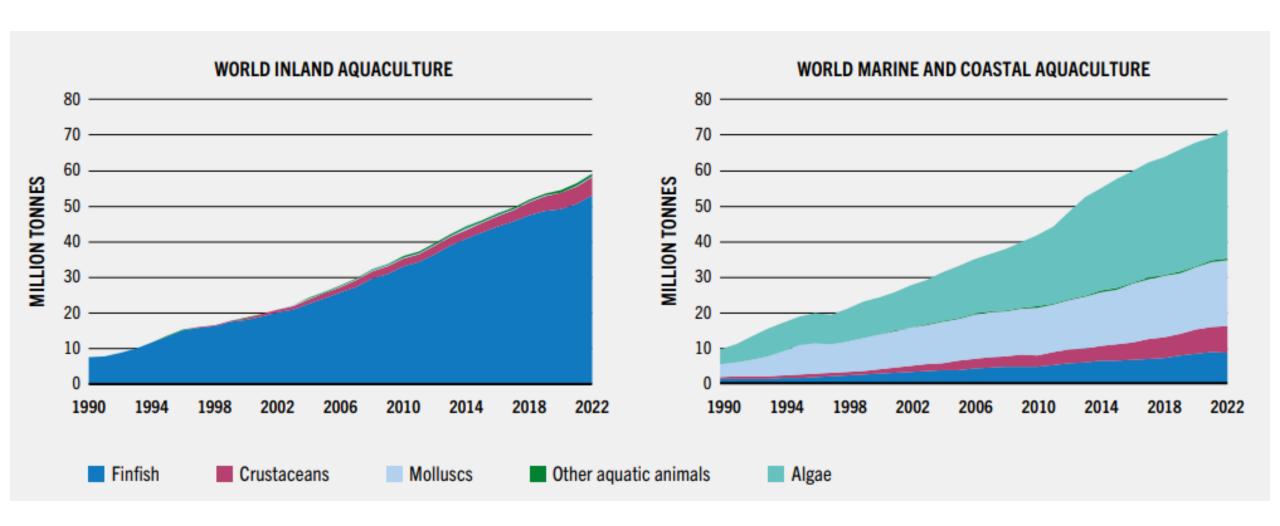
Data from FAO



World Fisheries and Aquaculture Production: Excluding algae

FISHERIES AND AQUACULTURE PRODUCTION

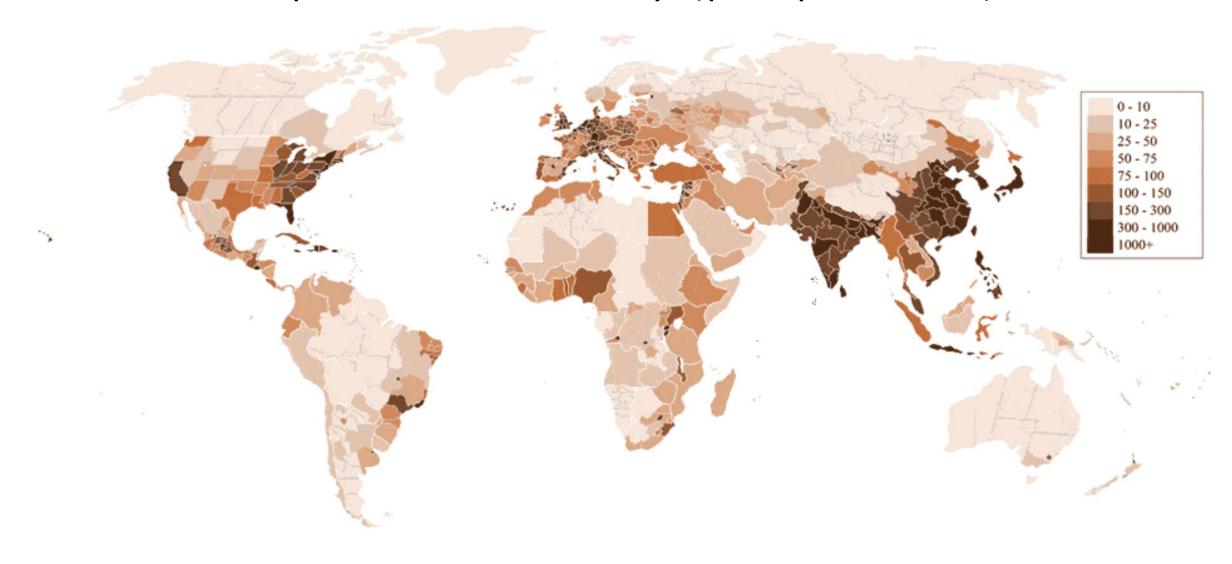




World Population by Region

# Region	Population (2024)	Yearly Change	Net Change	Density (P/Km²)	Land Area (Km²)	Migrants (net)			Urban Pop %	
1 Asia	4,806,898,007	0.6 %	28,893,521	155	31,033,131	-2,335,416	1.9	32	52.9 %	58.9 %
2 Africa	1,515,140,849	2.32 %	34,370,324	51	29,648,481	-644,272	4	19	44.5 %	18.6 %
3 Europe	745,083,824	-0.07 %	-519,051	34	22,134,900	1,566,027	1.4	43	75.6 %	9.1 %
4 Latin America and the Caribbean	663,466,072	0.69 %	4,574,555	33	20,139,378	-382,944	1.8	31	85.2 %	8.1 %
5 Northern America	385,295,105	0.62 %	2,392,363	21	18,651,660	1,654,440	1.6	39	82.2 %	4.7 %
6 Oceania	46,088,716	1.15 %	525,929	5	8,486,460	142,167	2.1	33	66.1 %	0.6 %

World Population Density (people/km²)



Combating IUU fishing as a common global challenge

- ➤ Illegal, Unreported, Unregulated (IUU) fishing refers to fishing activities that violate national and international laws and regulations.
- ➤ IUU fishing is a serious threat to the sustainable use of marine living resources and also a global common challenge mentioned in SDG Target 14.4.
- > IUU fishing undermines national and regional efforts to conserve and manage fish stocks and, as a consequence, inhibits progress towards achieving the goals of long-term sustainability and responsibility.

Combating IUU Fishing has been one of the major activities for SEAFDEC since 2010: Publication of ASEAN Guidelines for Preventing the Entry of Fish and Fishery Products from IUU Fishing Activities into the Supply Chain was one outcome.



Traceability (CDSs and KDEs) is a major issue for RFMOs, NGOs and Intergovernmental Organizations

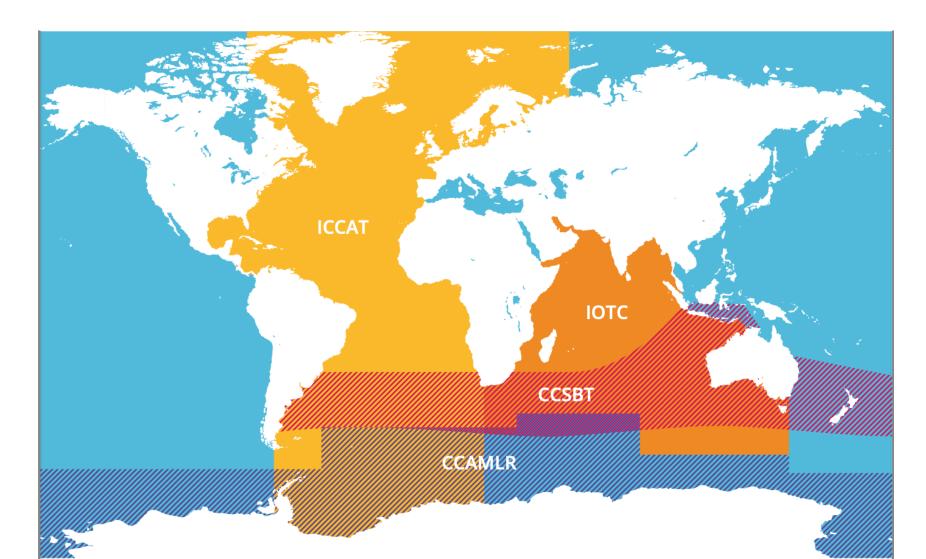


Table 4 I CDS key data element requirements

Recommended or applied in practice Optional or needs to be improved

Not recommended or required

		Stakeholder recommendations for CDS			Cur	Current RFMO multilateral CDS practices			Current unilateral CDS practices		Current regional CDS practices
	Key Data Elements (KDEs)	EU IUU fishing Coalition	FAO Voluntary Guidelines	GDST 1.0 Standard	ICCAT	ссѕвт	CCAMLR	IOTC ⁱ	European Union	United States of America	Association of Southeast Asian Nations
	Vessel name		See article 1(b)								
	UVI(IMO number)		See article 1(b)								Only required for carrier vessels, not for fishing vessels
wно	Vessel flag		See article 1(b)								
	International Radio Call Sign(IRCS)		See article 1(b)								
	Information of exporter/re-exporter		See article 1(f)								
	Identity of import company		See article 1(g)								
	Product type(use of FAO Alpha code)		See article 1(d)								
	Species name embedded in the FAO/ASFIS 3-Alpha Code		See article 1(b)								
WHAT	Estimated live weight(kg)			Not specified between live							
	Processed weight(kg)		See article 1(d)	or processed							
	Declaration and authorisation of transshipment at sea		See article 1(c)								
WHEN	Event date(Harvesting operation)		See article 1(b)								
	Catch area		See article 1(b)								
WHERE	Authorisation to fish		See article 1(e)								
WIEKE	Port of landing		See article 1(b)								
	Processing location										
HOW	Fishing methods										

From Cazalet and Mostert (2021)

Global Dialogue on Seafood Traceability (GDST)

- A global standard for interoperable traceability, created through seafood Dialogue
- A non-profit foundation based in The Hague (the Netherlands), with a service delivery subsidiary in Singapore
- A community of business & stakeholder partners who support a single traceability standard
- A resource for practical tests, tools & services that support GDST Standard implementation
- A pathway for regulatory compliance, supply chain visibility & sustainability objectification
- A continuing global Dialogue where region constituency voices help to evolve the standard

The IUU Fishing Risk Index provides a measure of the likelihood that states are exposed to and effectively combat IUU fishing.

The Index allows countries to be benchmarked and ranked, and assessed for their vulnerability, prevalence and response to IUU fishing.

The Index has been developed by Poseidon Aquatic Resource Management Ltd., a fisheries and aquaculture consultancy company and the Global Initiative Against Transnational Organized Crime, a Geneva-based NGO network of experts.

ABOUT THE INDEX SCORE MAPS RANKINGS COUNTRY PROFILES REPORT DATA FILES CONTACT

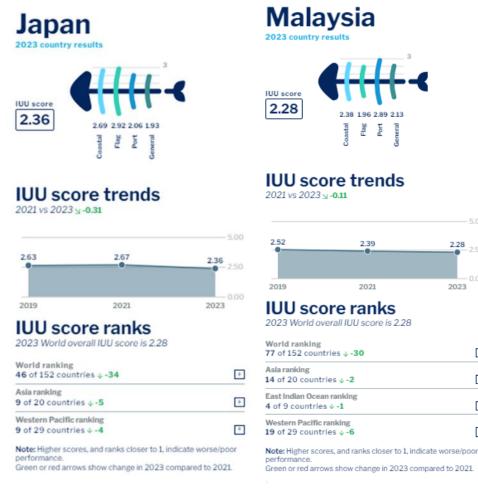
#1	- 0	China	3.69	3.86	△-0.17	3.93
#2	- 0	Russia	3.20	3.04	⊘ 0.16	3.16
#3	↑2	Yemen	2.99	2.89	⊘ 0.10	2.96
#4	↑ 48	India	2.97	2.36	对 0.61	2.68
#5	↑6	Iran	2.93	2.68	对 0.25	2.49
#6	↑14	Indonesia	2.89	2.55	⊲ 0.34	2.70
#7	↓ -1	Taiwan	2.88	2.88	- 0.00	3.34
#8	↑25	Comoros Isl.	2.81	2.45	⊲ 0.36	2.61
#9	↓-6	Korea (Rep. South)	2.76	2.91	△-0.15	2.49
#10	↓-3	Ukraine	2.72	2.75	⊿-0.03	2.53
#11	4	Mexico	2.70	2.61	⊘ 0.09	2.71

IUU Index provides an IUU fishing score for all coastal states of between 1 and 5 (1 being the best, and 5 the worst).









2023

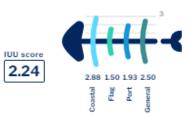
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IUU Index uses many indicators

Myanmar 2023 country results



IUU score trends

2021 vs 2023 y -0.20



IUU score ranks

2023 World overall IUU score is 2.28

World ranking 84 of 152 countries ↓ -50	+
Asla ranking 16 of 20 countries ψ -6	+
East Indian Ocean ranking 6 of 9 countries ↓ -4	+

Note: Higher scores, and ranks closer to 1, indicate worse/poor

Green or red arrows show change in 2023 compared to 2021.

Philippines



IUU score trends

2021 vs 2023 v -0.20



IUU score ranks

2023 World overall IUU score is 2.28

World ranking 53 of 152 countries ↓-33	+
Asla ranking 11 of 20 countries ↓ -5	+
Western Pacific ranking 12 of 29 countries ↓ -5	+

Note: Higher scores, and ranks closer to 1, indicate worse/poor

Green or red arrows show change in 2023 compared to 2021.

Singapore

2023 country results



IUU score trends

2021 vs 2023 v -0.21



IUU score ranks

2023 World overall IUU score is 2.28

World ranking 66 of 152 countries ↓ -40

Asla ranking 13 of 20 countries ↓ -4

Western Pacific ranking 15 of 29 countries ↓-4

Thailand

2023 country results



IUU score trends

2021 vs 2023 y -0.25



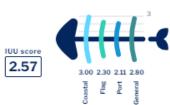
IUU score ranks

2023 World overall IUU score is 2.28



Green or red arrows show change in 2023 compared to 2021.

Vietnam



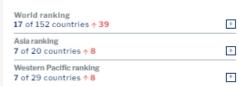
IUU score trends

2021 vs 2023 7 0.24



IUU score ranks

2023 World overall IUU score is 2.28



Note: Higher scores, and ranks closer to 1, indicate worse/poor

Green or red arrows show change in 2023 compared to 2021.

Note: Higher scores, and ranks closer to 1, indicate worse/poor Green or red arrows show change in 2023 compared to 2021.

Coastal score

2.69

▼ 0.06

Coastal score by vulnerability

5.00 -0

Related Indicators	2023	2021	change	2019
Size of EEZ	5.0	5.0	- 0	5.0
Agreement over all maritime boundaries	5.0	5.0	- 0	5.0
Dependency on fish for protein	5.0	5.0	- 0	5.0
Authorise foreign vessels to operate in EEZ	5.0	5.0	- 0	5.0

Coastal score by prevalence

1.60

▼ 0.20

Has MSC-certified fisheries

1.0

3.0

¥ 2.0

Views of MCS practitioners on coastal compliance incidents

2.0

1.0

A 1.0

Coastal score by response

Operate a national VMS/FMC centre

1.00

Coastal State is contracting party or cooperating non-contracting party to all relevant RFMOs

1.0

1.0

1.0

1.0

-0

-0

1.0

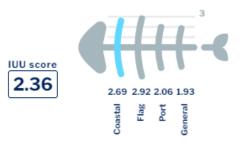
1.0

2.0

1.0

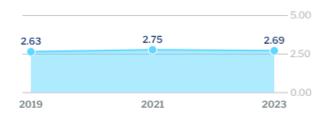
Japan

2023 country results



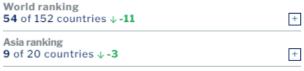
Coastal score trends

2021 vs 2023 y -0.06

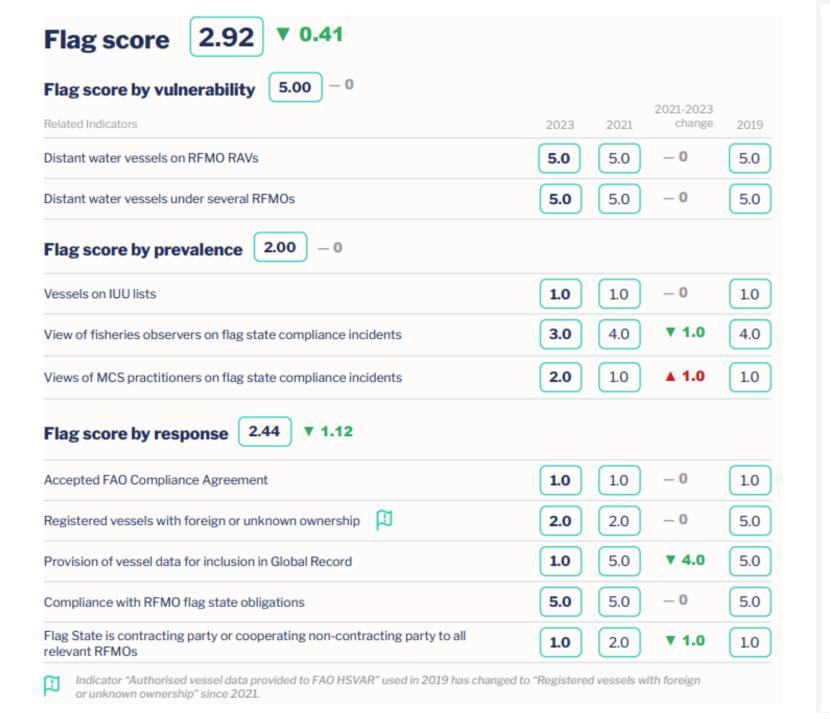


Coastal score ranks

2023 World overall Coastal score is 2.46

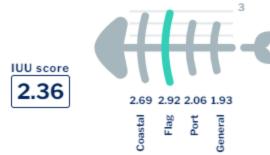


Western Pacific ranking 19 of 29 countries ↓ -18





2023 country results



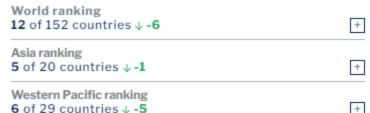
Flag score trends

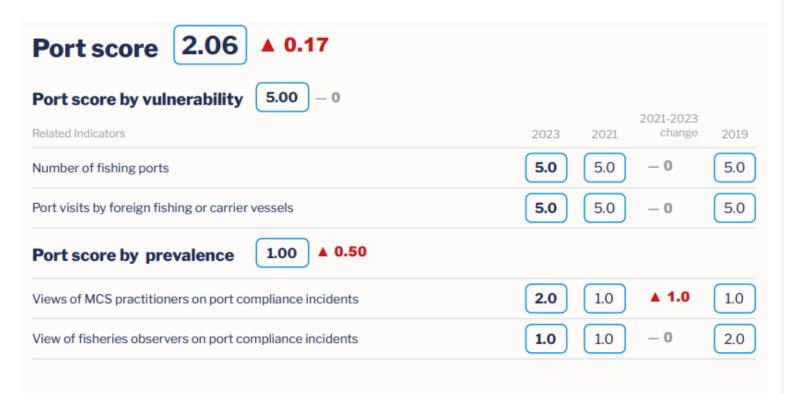
2021 vs 2023 > -0.41



Flag score ranks

2023 World overall Flag score is 2.04







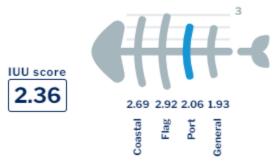




Port score by response 1.00 – 0	2019-2021 2023 2021 change 2019
Party to the PSMA	1.0 1.0 -0 1.0
Designated ports specified for entry by foreign vessels	1.0
Compliance with RFMO port state obligations	1.0

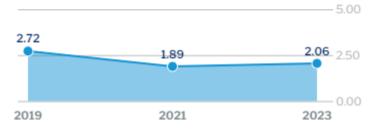
Japan

2023 country results



Port score trends

2021 vs 2023 7 0.17



Port score ranks

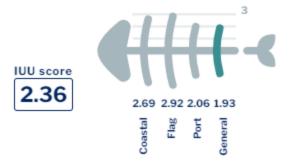
2023 World overall Port score is 2.37

23 of 29 countries ↓ -22

World ranking 88 of 152 countries ↑3	+
Asia ranking 13 of 20 countries ↑ 3	+
Western Pacific ranking	

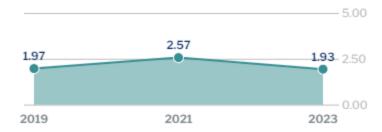
General score 1.93 ▼ 0.64			
General score by vulnerability $3.00 - 0$			
Related Indicators	2023 2021	2019-2021 change	2019
Trade balance for fisheries products	4.0 4.0	- 0	4.0
Share of global imports	5.0 5.0	- 0	5.0
Perception of levels of corruption	2.0 2.0	– 0	2.0
Gross national income per capita	1.0	– 0	1.0
Volume of catches	5.0 5.0	- 0	5.0
General score by prevalence 1.29 ▼ 0.14			
Carded' under the EU IUU Regulation	1.0	- 0	1.0
Identified' by NOAA for IUU fishing	2.0 1.0	▲ 1.0	1.0
Mentions of IUU fishing in media reports	1.0 2.0	▼ 1.0	2.0
General score by response 1.57 ▼ 1.29			
Mandatory vessel tracking for commercial seagoing fleet	1.0	- 0	1.0
Demand for MSC products	4.0 4.0	- 0	4.0
Ratification/accession of UNCLOS Convention	1.0	– 0	1.0
Ratification/accession of UNFSA	1.0	– 0	1.0
Mentions in media reports to combatting IUU fishing	2.0 5.0	▼ 3.0	2.0
Have a NPOA-IUU	1.0 5.0	▼ 4.0	1.0
Market State is contracting party or cooperating non-contracting party to relevant RFMOs	1.0	- 0	1.0

2023 country results



General score trends

2021 vs 2023 y -0.64



General score ranks

2023 World overall General score is 2.31

World ranking 121 of 152 countries ↓ -81	+
Asia ranking 20 of 20 countries ψ -9	+
Western Pacific ranking 20 of 29 countries – 0	+

IUU Fishing Risk Index

Conclusion

 Recommend to see meaning of each indicator in your own state.



TABLE 2. COMPANY RANKING AND SCORES

Rank	Company	Headquarter	Region	Score	MA1: Govern. Rank	MA2: Ecosyst. Rank	MA3: Traceab. Rank	MA4: Social Rank
1	Thai Union Group	■ Thailand	Asia	47.5	3	9	3	1
2	Nueva Pescanova	Spain	Europe	43.8	2	7	1	4
3	Nomad Foods	₩ UK	Europe	43.5	8	1	3	8
4	Mowi	III Norway	Europe	43.0	5	3	9	3
5	Cargill	■ USA	N. America	42.0	11	4	6	7
6	Nutreco (Skretting)	Netherlands	Europe	41.3	6	5	1	9
7	Bolton Group	■ Italy	Europe	40.1	10	6	3	6
8	CP Group	■ Thailand	Asia	35.4	1	21	18	2
9	Trident Seafoods	■ USA	N. America	33.9	23	2	7	20
10	Labeyrie Fine Foods	■ France	Europe	30.2	15	8	9	17
11	Royal Greenland	Greenland	Europe	28.1	17	10	9	13
12	Biomar	E Denmark	Europe	27.2	20	15	13	5
13	Austevoll Seafood	** Norway	Europe	26.6	14	11	13	11
14	Parlevliet & Van der Plas	Netherlands	Europe	24.7	13	14	12	15
15	FCF Co., Ltd.	Taiwan	Asia	24.5	4	22	7	12
16	Nissui	Japan	Asia	23.9	9	18	13	10
17	Marubeni	Japan	Asia	22.7	7	12	25	16
18	SalMar	Norway	Europe	22.3	17	13	18	14
19	Maruha Nichiro	Japan	Asia	20.0	12	17	18	19

The Seafood Stewardship Index measures the world's 30 most influential companies in the seafood industry on their contribution to the UN Sustainable Development Goals.

MAZ.

The World Bank is piloting BEDF in India, Vietnam, and Kiribati in 2019.

These pilots will help refine and improve the BEDF as it is applied to more countries.









BEDF The Blue Economy **Development Framework**

A toolkit for a sustainable ocean economy

Oceans are essential for the global economy and a healthy planet. Healthy, productive oceans provide jobs, food and drive economic growth while keeping the planet cool.

Oceans are a primary source of income



OF GLOBAL GDP

Ocean-based jobs are 120% between expected to increase 120% between

Fisheries & Aquaculture assure livelihoods of



OF EXCESS HEAT HAS been stored in the ocean



Blue Economy

y Development Framework

ow each contributes to a Blue Economy

and Fiscal Reforms

ient use of public resources and lack ds to unsustainable growth, damage ross-sector conflicts.



p countries apply rated and inclusive na decision-support Is for blue growth



Help identify public investments in blue and grey infrastructure insurance, etc.)

Fostering Investment

Challenge: Lack of knowledge and poor governance create uncertainty and deter private investment in ocean sectors.



Identify opportunities for innovative financing of blue growth (blue bonds.



Offer financial sector technical assistance and standards to adopt blue investment principles



Design incentives to make maritime sector investments climate-resilient



1. Challenges of the Fisheries and Aquaculture Sector in Japan

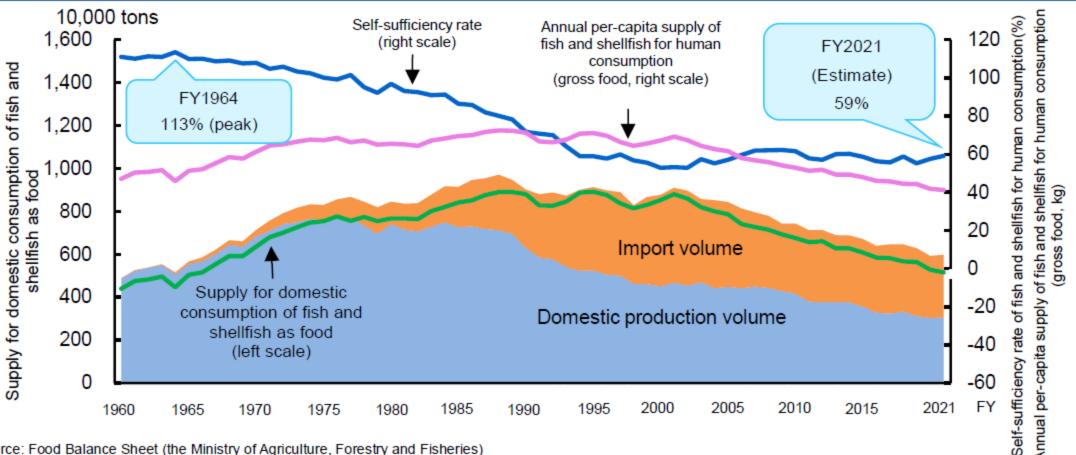


- ◆Total fisheries production in 2022 has decreased by 1/3 in 2002 (3.92 MT in 2022)
- Seafood consumption constantly decreases
 (40.4 kg/capita/year with discards in FY2022;
 22.0 kg/capita/year)
- Fishery population has decreased by 40% over last 15 years (123,100 in 2022)
- Global procurement requirements
- Climate changes: global warming

2. Challenges – Fisheries Production Trend in Japan



Trends in the Self-Sufficiency Rate of Fish and Shellfish(for human consumption)

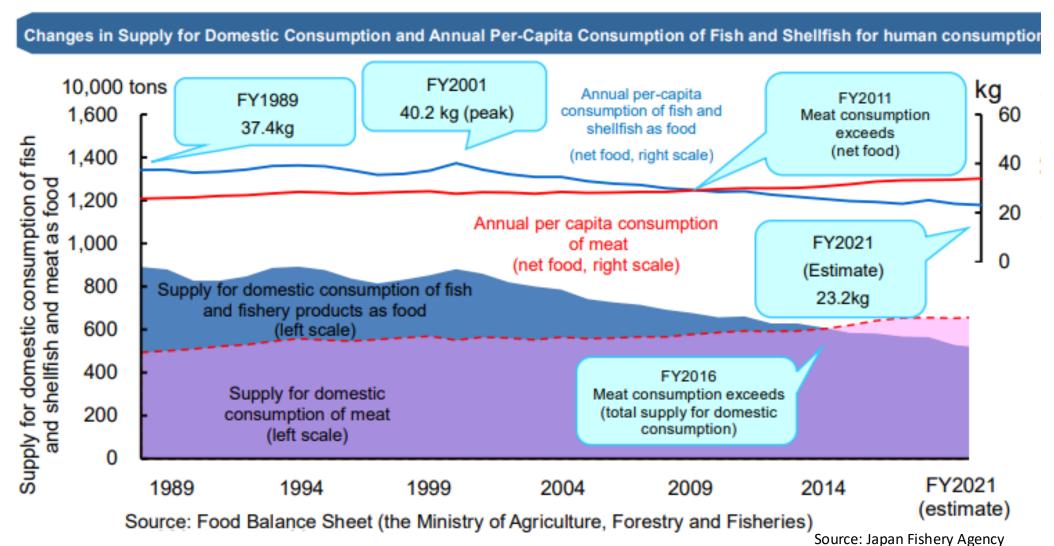


Source: Food Balance Sheet (the Ministry of Agriculture, Forestry and Fisheries)

Note: Self-sufficiency rate (%) = (Domestic production volume / Total supply for domestic consumption) × 100 Total supply for domestic consumption = Domestic production volume + Import volume - Export volume ± Increase/decrease in inventory

3. Challenges – Seafood consumption decline



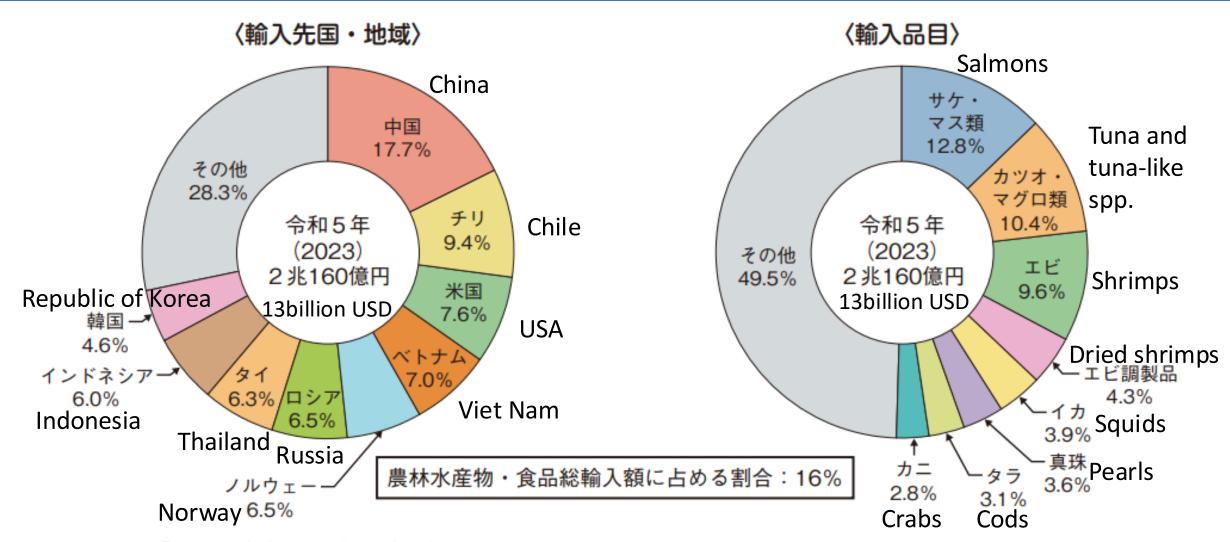


- Seafood consumption in Japan became 22.0 kg/capita/year in FY2022 and 40.4 kg/capita/year with discards in FY2022
- World consumption was 20.4 kg/ capita/year with discards between 2020 and 2022

2022 Annual Report

4. Imports to Japan in 2023 (Japanese Yen)



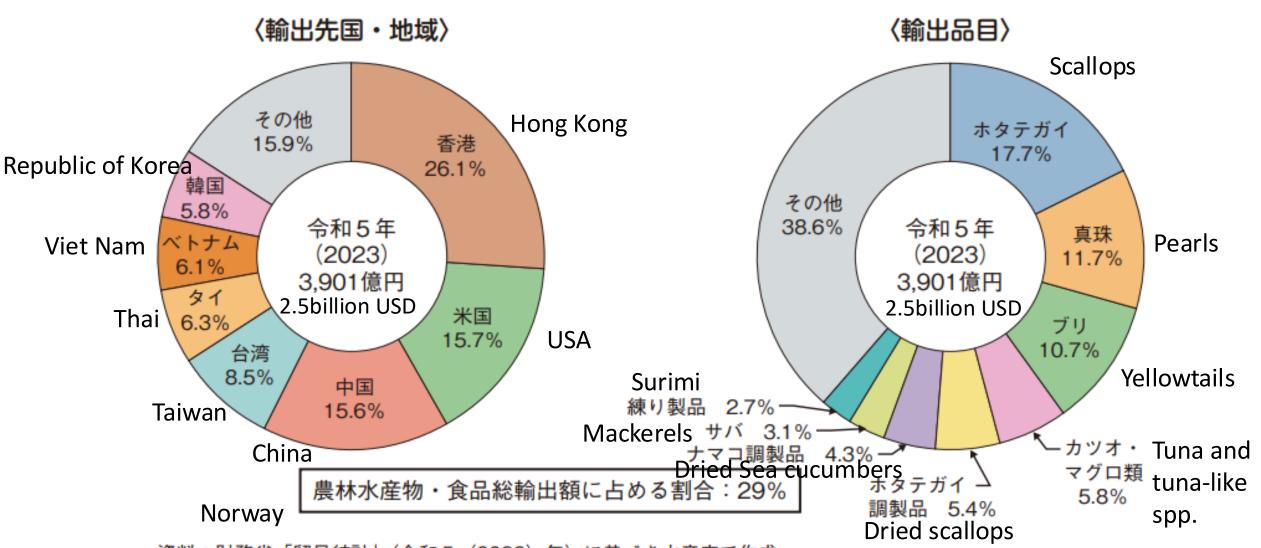


資料:財務省「貿易統計」(令和5 (2023) 年) に基づき水産庁で作成

Source: Japan Fishery Agency 2023 Annual Report

5. Exports from Japan in 2023 (Japanese Yen)





資料:財務省「貿易統計」(令和5(2023)年)に基づき水産庁で作成 Source: Japan Fishery Agency 2023 Annual Report

Purpose of the New Fisheries ACT (effective December 2020); the reform is the first time in 70 years

- Maintain sustainable fisheries
- Promote effective utilization of the fishing/aquaculture areas
- Improve productivity in fisheries



Six major points of the new ACT

A. New Fisheries Management

- Increase number of species for TAC (192 spp.); landing of the TAC species will be ca. 80% of the total
- Introduce an Individual Quota (IQ) System

B. Licensing

Issue more flexibly (not necessarily every 5 years)

Six major points of the new ACT 2

C. Fishery Rights

- No change for the common fishery right for algae, shellfish, and sea cucumbers
- The fixed gear fishing right and the demarcated fishing right will be granted for fishers who manage fishing/aquaculture well and accept new comers.

D. Sea-area Fisheries Adjustment Commission

- Total number of commission members will be more flexible between 10 and 20.
- Prefectural Governors will appoint appropriate commission members.

Six major points of the new ACT 3

E. Combating Illegal Fishing

• More strict punishment for an illegal fisher/buyer up to a 3-year sentence or 0.26 million USD fine for sea cucumbers and others.

F. Fisheries Cooperative Associations

The new purpose is to increase income of fishers

Working for Traceability

Another new Act for seafood traceability was instituted in December 2020

- One traceability system for expensive sea cucumbers and abalones started from December 2022.
- Another traceability system for glass eels will start from December 2025.
- The Act also considers traceability of high-risk imported seafood from overseas to combating IUU fishing.
- The Japan CDS requires catch certificates for four species (i.e. squid and cuttlefish, pacific saury, mackerel, and sardine) imported to Japan which should be issued by the competent authority of flag State of the vessel to certify that they were caught legally.

Revitalization of fishing villages by Umigyo

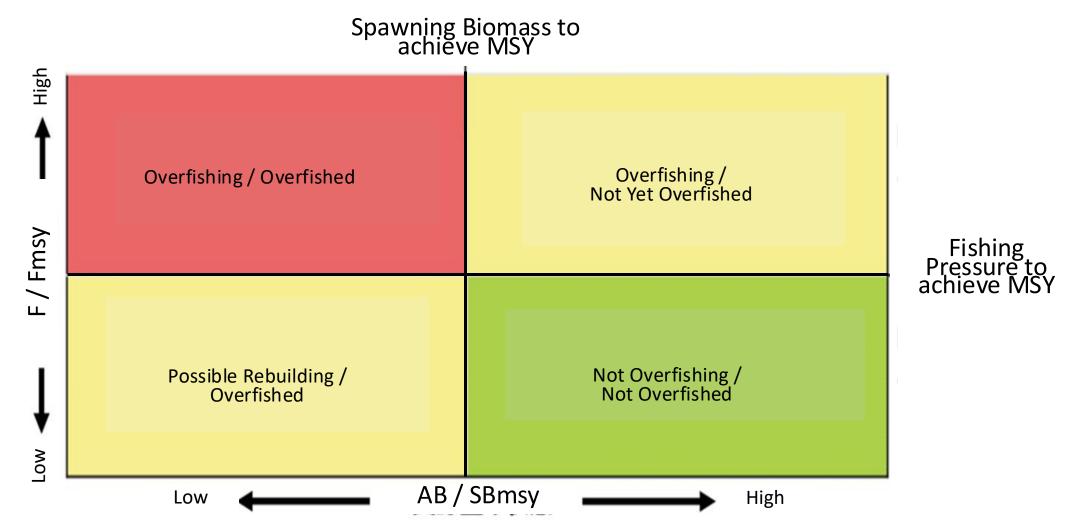
- Problems: population decrease and aging society in fishing villages; decreased economy in the villages.
- Umigyo includes fisheries (SSF), natural resources, recreational business, cultural and traditional activities, renewable energy and so on
- Umigyo seeks new employment and increase of income



New Fisheries Policies – Kobe Plot

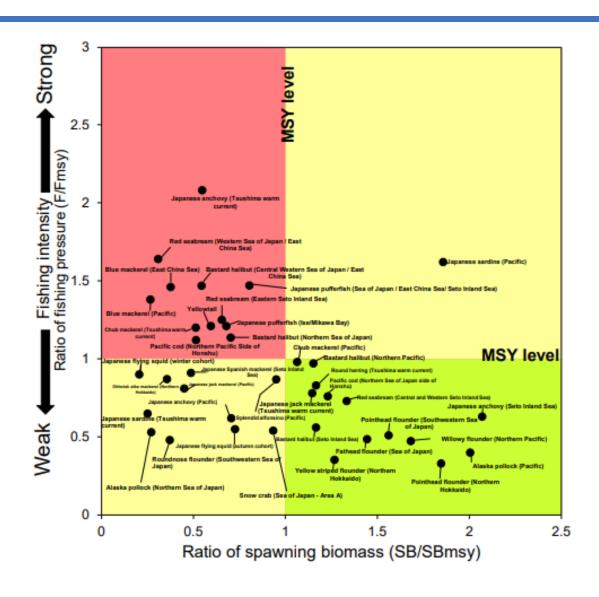


Kobe Plot (Measure for Stock Condition)



Stock Assessments based on MSY in 2022





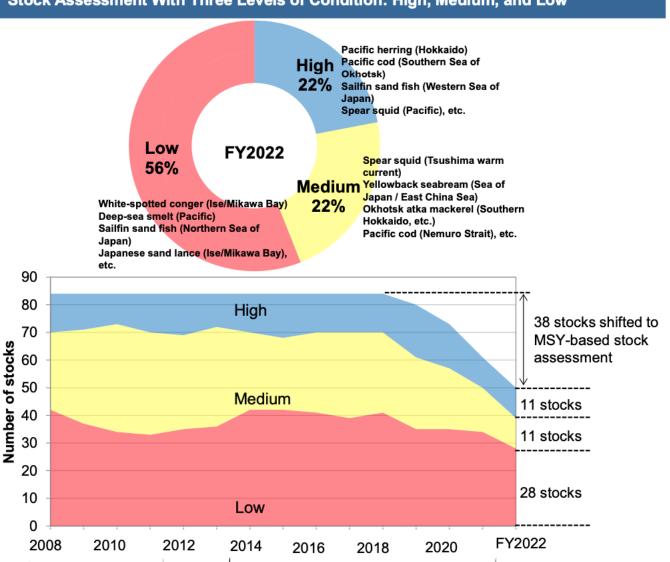
 The number of those fisheries species subject to the estimation of abundance and fishing intensity for the purpose of achieving the MSY (Maximum Sustainable Yield) was expanded from 26 stocks of 17 fisheries species in 2021 to 38 stocks of 22 fisheries species in 2022 and 2023

Low Stock status High

Stock Assessments based on MSY in 2022







• For 50 stocks of 36 fisheries species, stock assessments were made with three levels of stock condition: high, medium, and low. In 2023, ten stocks are high level, nine stocks medium and 31 stocks low.

New Fisheries Policies – Aquaculture Growth Strategy



- Basics
- Become market-driven business model
- Value creation integrated with full supply chain layers
- Strategic Species
- Yellowtail/Amberjack, Red Sea Breams, Bluefin Tuna, Salmon/Trout, Scallops and Pearls
- Initiatives and Technologies
- Overseas market development
- Sustainable production
 Production expansion, feed efficiency, fish disease measure, etc.
- Innovation
 Al monitoring, automatic feeding, large-scale offshore cages, submerged cages, etc.





Photo Sources: Nippon Steel and Nikkei Asia

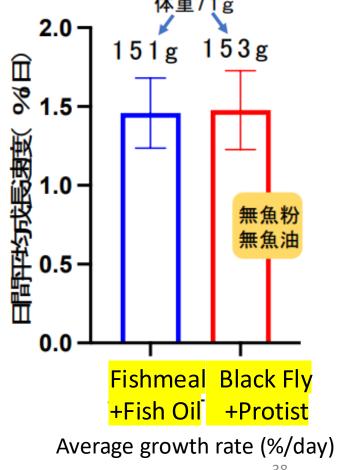
The black soldier fly *Hermetia illucens*The protist *Aurantiochytrium limacinum*



New feed for Sea Bream Aquaculture

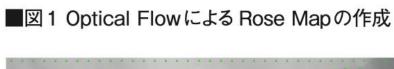


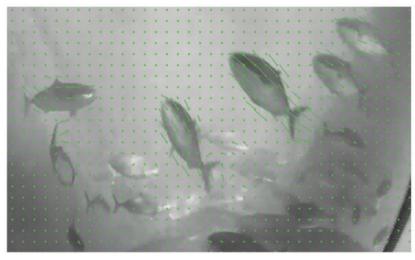




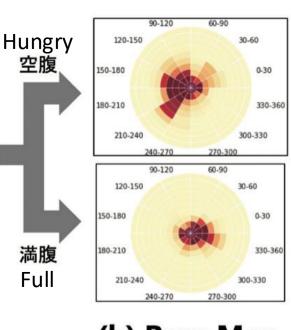
Data from FRA

Aquaculture Al Drone for Automatic Feeding by Prof. T. Kobayashi, Nagasaki Univ.

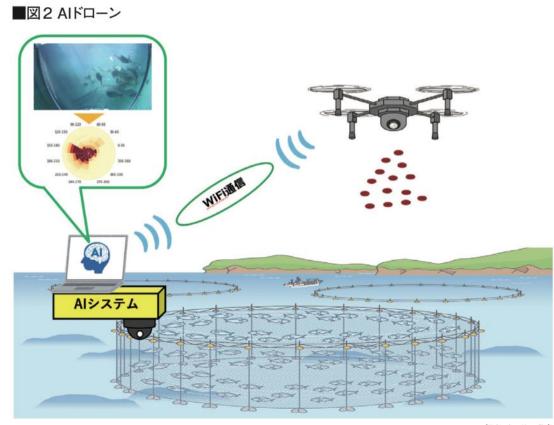




(a) Optical Flow



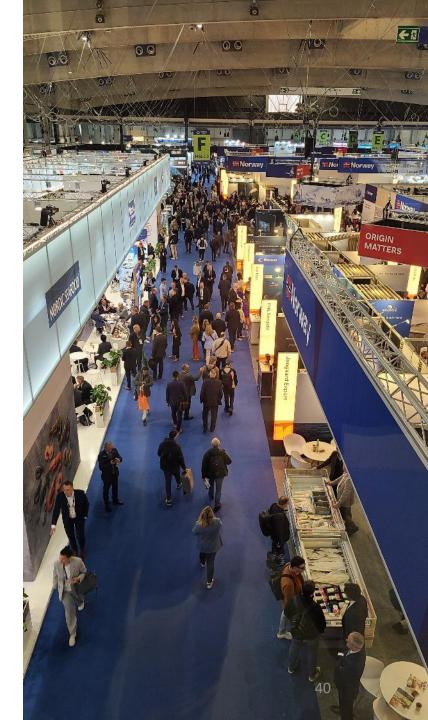
(b) Rose Map





Issues at Seafood Expo Global 2024 Barcelona

- Environments
- Sustainability
- Global warming
- Carbon footprints
- Recycling
- Human rights
- Animal welfare
- Holistic approach



1. MEL Overview



- Marine Eco-Label Japan (MEL) is the fisheries certification program developed in Japan and adapts to Japan's diverse fisheries, environment, ecosystem and industries.
- MEL is one of the GSSI-recognized seafood certification schemes, and the only one for capture fisheries and aquaculture.
- MEL complies with FAO CCRF and Guidelines to ensure the sustainability of marine resources and the conservation of the environment and ecosystems.
- MEL aims to contribute to sustainable development of seafood industry and foster fish-eating culture as social infrastructure of credible seafood.









2. MEL Certification Program – Uniqueness



- Adapt to Japan's Diversity
- Fish species, fishing method, fishing grounds, processing, etc.
- Small-scale fisheries accessible
- Japan's RFM program
- · Responsible for sustainable fish stocks and environment
- Focus on origin and local
- No variable royalty fee
- Local Production and Local Market
- Fishers, processors and markets (consumers) adjacent to each other
- Food safety, transparent distribution, environmental measures
 - Develop distinct CoC standard (traceability)







3. MEL's History



1995	FAO Code of Conduct for Responsible Fisheries		
2005	FAO Guidelines for Ecolabeling of Fish and Fishery Products		
	from Marine Capture Fisheries		
2007	MEL Japan was established by Japan Fisheries Association		
2011	FAO Technical Guidelines on Aquaculture Certification		
2013	GSSI (Global Sustainable Seafood Initiative) established		
2015	UN 2030 Agenda for Sustainable Development (SDGs)		
2016	MEL Japan Council incorporated		
2019	MEL Japan acquired GSSI recognition (MEL ver.2.0)		
2021	MEL FMS ver.1.0 expired, MOCA completed (Tokyo Olympics)		
2022	MEL AMS ver.2.0 effective		
2023	MEL completed GSSI Benchmark ver.2.0		
2024	MEL AMS ver.2.1 effective		





2-4. GSSI recognized certifications



Alaska RFM 漁業 (米国) 2016年7月承認



2017年10月承認



Iceland RFM 漁業 (アイスランド) 2016年10月承認



GLOBAL GAP 2018年4月承認





550件(約1.600万トン) 18件(約50万トン) CoC: 世界 5.882件、日本 367件 日本 17件 (2023年12月) (2023年12月)



サーモンとエビでGSSI承認



MEL 漁業・養殖(日本) 2019年12月承認

漁業25件,養殖67件,CoC165件 (合計257件) 37魚種、2013年 は44.5万トンで12% (2024年7月

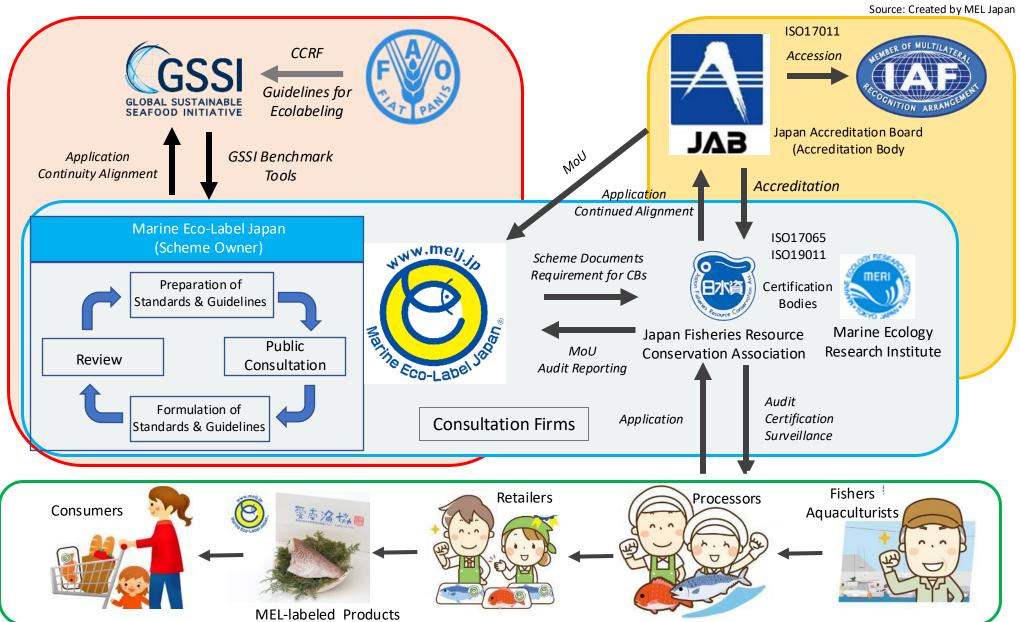






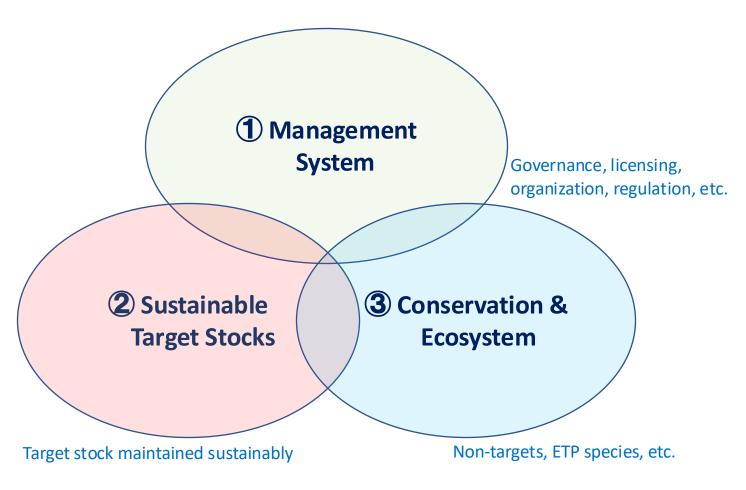
4. Third Party Certification System





5. Fisheries Standard







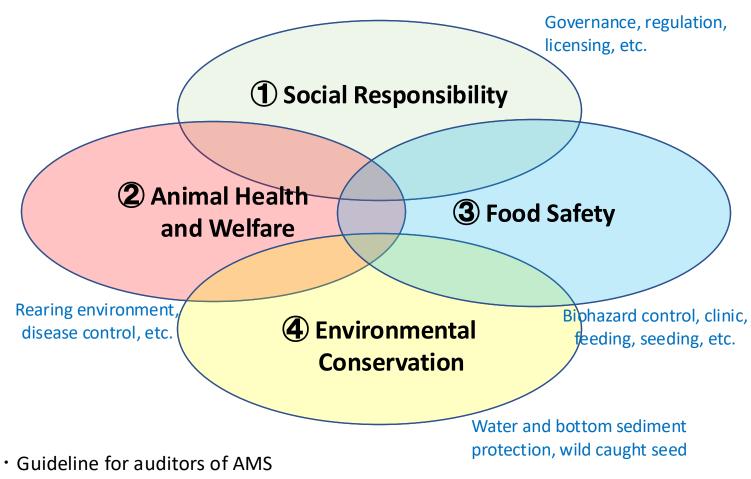




- · Guideline for auditors of FMS
- Audit check sheet for FMS
- Requirement for CB's certifying FMS

6. Aquaculture Standard







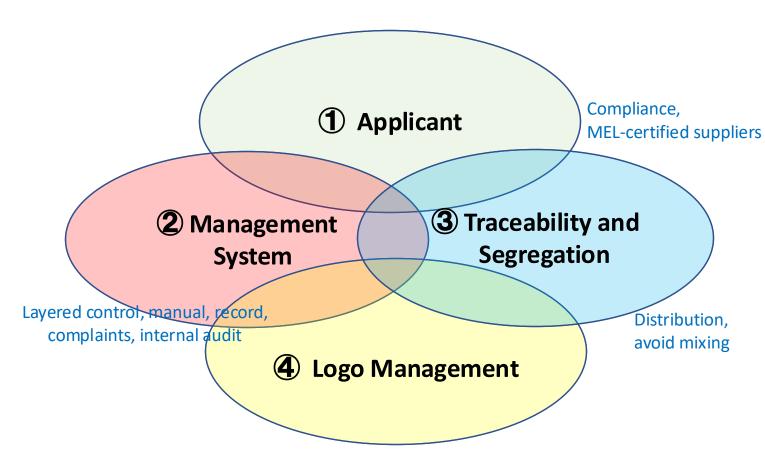




- Audit check sheet for AMS
- Requirement for CB's certifying AMS

7. Chain of Custody (CoC) Standard











- Guideline for auditors of CoCS
- Audit check sheet for CoCS
- Requirement for CB's certifying CoCS



8. Number of Certification

Source: MEL Japan Council

9. MEL-Certified Volume

WW.mel/

Source: Created by MEL

			Total Catch in Japan (ton)	
	Certified Species	MEL catch in 2023	2023 (preliminary)	MEL prop.
	Chum Salmon	53,252	60,100	89%
	Skipjack	132,018	152,600	87%
	Albacore	5,296	32,200	16%
	Yellowfin Tuna	27,605	52,500	53%
	Bigeye Tuna	424	26,600	2%
	Japanese Anchovy	6,663	114,200	6%
Ca	Juvenile Anchovy	18,347	48,900	38%
pt	Chub Mackerel	40,178	261,100	15%
Capture Fisheries	Japanese Horse Mackerel	22,373	92,000	24%
ish	Yellowtail	8,936	80,800	11%
e <u>2</u> .	Atka Mackerel	4,924	31,500	16%
es	Herring	2,086	18,000	12%
	Sea Bass	119	4,800	2%
	Red Snow Crab	5,727	11,900	48%
	Surf Clam	802	5200 *	15%
	Freshwater Clam	905	9,211	10%
	Japanese Glass Shrimp	152	500 *	30%
	Sub-total	329,978	2,844,965	12%

		MEL Production in 2023	Total Production in Japan (ton)		
	Certified Species		2023 (prelimin ary)	MEL prop.	
	Yellowtail	37,103	94,300	39%	
	Amberjack	2,911	24,400	12%	
	Kingfish	731	4,300 *	17%	
	Burimasa Hybrid	290			
	Red Sea Bream	16,859	68,000	25%	
	Striped Horse Mackerel	507	4,700	11%	
Αq	Flounder	230	1,700	14%	
Aquaculture	Coho Salmon	4,632	22,100	21%	
CU	Ayu Sweetfish	725	3,387	21%	
ltu	Scallop	51,987	151,300	34%	
re	Japanese Oyster	6,195	146,300	4%	
	Wakame Seaweed	1,811	49,600	4%	
	Sub-total	124,610	879,299	14%	
	Capture Fisheries & Aquaculture				
	Grand Total	454,588	3,724,264	12%	

10. MEL with Local Communities



Local municipal governments and communities encourage fisheries to acquire MEL shown examples below:

- Ainan Town, Ehime Prefecture
- Accounts for 20% of total Red Sea Breams farming
- Ainan's "Eco Fish" campaign
- Gujo City, Gifu Prefecture (in-land)
- Sweet Fish (Ayu) of Nagara River gained GIAHS
- Satokawa Project aquatic environment, fishing resources and daily lives of people
- Minami-Chita Town, Aichi Prefecture
 - Regional Development program of "Meena's Blessing"
 - Shirasu (whitebait) fishers and processors work together with town's initiatives







11. MEL on Products





Photo Sources: MEL Japan Council

12. MEL at Restaurants



Near Tokyo Station





In Yokohama









Photo Source: MEL Japan Council

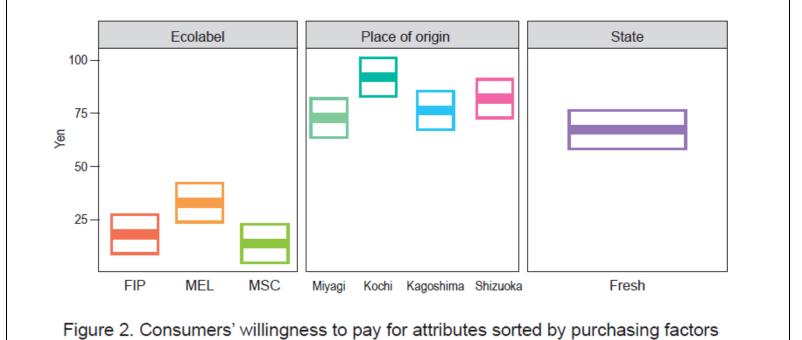
Wakamatsu and Maruyama (2023): Sustainability 2024, 16(6), 2530

Do Consumers Prefer Fish Products from Fisheries Improvement Project?: Case of Bigeye Tuna in Japan

- Based on 2875 valid responses, 10% of the respondents were aware of MEL and 10% were aware of MSC.
- The analysis resulted in a significant price premium for FIP and domestic certification valued more than international brands. Sum of the base attributes (no label, thawed, and foreign) was 602 yen.



図1 選択実験に使われたメバチマグロの画像



14. MEL Recognition Penetration



- Focus on B2C Communication
- Utilization of SNS (Instagram, Facebook)
- Target kids and family
- Participate in study session at schools
- Brand Penetration
 - Consumer-packaged prepared seafood
 - HORECA (Hotel, Restaurant, and Café/Catering)
- Overseas Development
 - CoC mutual recognition
 - Overseas processors for CoC certification
 - "GSSI Recognizes" tagline













Source: MEL Japan Council

15. CoC Mutual Recognition





- MEL discusses with RFM in Alaska
- Align with FAO CCRF
- Third parties verification
- Producers first!
- GSSI recognized certifications
- Collaborations (CoC, shared document)
- Reasonable license fee system

16. New CoC Certificates in Viet Nam



• Two companies in Viet Nam have obtained CoC certificates to process salmons from Japan.





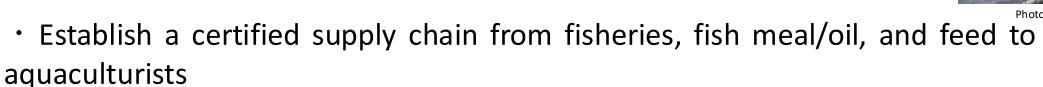


17. Feed Standard Development

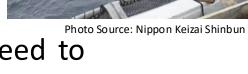


Standards

- Manufactured feed standard and fish meal/fish oil standard
- Objectives



- Build a circular economy utilizing by-products/waste generated from fish processors and retailers
- Contribute to aquaculture growth strategies reflecting Japan's distinct aquaculture
- Standard Setting Development
- Standard setting committee formed
- Support from industry organizations and major feed manufacturers



18. Fisheries Management Standard (FMS)



- MEL will revise FMS
 - Consider human rights issues for technical intern trainees/foreign workers
 - Environmental issues of fishing gears and

recycling



Photo from Mainichi Shimbun (Hyougo)



Photo from Okinawa Times



Photo from Ryukyu Shimpo



MEL certification is one of the important social systems in Japan

MEL Council emphasizes five forces

- 1 Government support to fisheries (national and local)
- 2Ethics and willingness from fisheries sector
- 3 Ethical collaboration among SO, CB & AB
- 4 Strong support from research institutions about fisheries science in the region
- **5** Support from consumers

We hope to work with you in near future to develop ecolabeling in Southeast Asia









THANK YOU!

2-4. GSSI recognized certifications



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BAP 養殖 (米国) 2017年10月承認



Iceland RFM 漁業(アイスランド) 2016年10月承認



GLOBAL GAP 養殖(ドイツ) 2018年4月承認



CQA 養殖 (アイルランド) 2019年2月承認



MSC 漁業 (英国) 2017年3月承認



ASC 養殖(オランダ) 2018年8月承認



MEL 漁業・養殖 (日本) 2019年12月承認

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・GSSIベンチマークツールV2.0改訂⇒2021年11月公開、2023年9月MEL継続承認

費用① 認証審査にかかる経費



● 認証有効期間

- ・漁業認証 5年(年次審査あり)
- ・養殖認証 3年(同上)
- ・CoC認証 3年(同上)

● 審査費用 の目安(審査機関に支払う)

·本審査(初回審査費用) 漁業認証 **85万円** ~

養殖認証 70万円~

認証審査にかかる費用は、業態

よって異なりますので、二つの

や規模(審査対象施設数)に

認証機関にお尋ねください。

流通加工認証 35万円 ~

- ・年次審査 (毎年) 初回審査費用 × 60%程度
- ・更新審査(3年/5年)初回審査費用×80%程度

(公社) 日本水産資源保護協会 http://fish-jfrca.jp/04/ecolabel.html

電話:03-6680-4277 メール:mel-info@fish-jfrca.jp

(公財) 海洋生物環境研究所 中央研究所 https://www.kaiseiken.or.jp/電話:0470-68-5111 メール:cb-mel@kaiseiken.or.jp

費用② ロゴマーク使用許諾料



● MEL協議会とのロゴマーク使用契約

- ・審査機関から認証決定を受けた後、MEL協議会と**ロゴマーク使用契約**を締結します(「ロゴマーク使用・管理規定」に基づく)。
- ・締結後、商品や広報などにロゴマークを表示することができます。

● 3段階のロゴマーク使用許諾料(MEL協議会に支払う)

認証	種別	生産段階認証 【 漁業】	生産段階認証 【 養 殖 】	流通加工段階認証 【 CoC 】
分類の基準となる指標		使用動力船の合計トン数	従業員数	取扱い金額(売上高)
ロゴマーク	3万円	10トン未満 (含む、無動力船・非使用)	10人未満	単体100億円未満または、連結200億円未満
使用許諾料	5万円	10~1000トン未満	10~100人未満	単体100~300億円未満または、連結200~500億円未満
(年額•税抜)	1 0 万円	1000トン以上	100人以上	単体300億円以上または、連結500億円以上