

안전한 먹거리, 국민행복

Safety Management System for Fisheries Products



Ministry of Food and
Drug Safety

Content

- 01 Fisheries Products Production Overview
- 02 Fisheries Products Trade Status
- 03 Fisheries Products Consumption
- 04 Fisheries Products Safety Management System

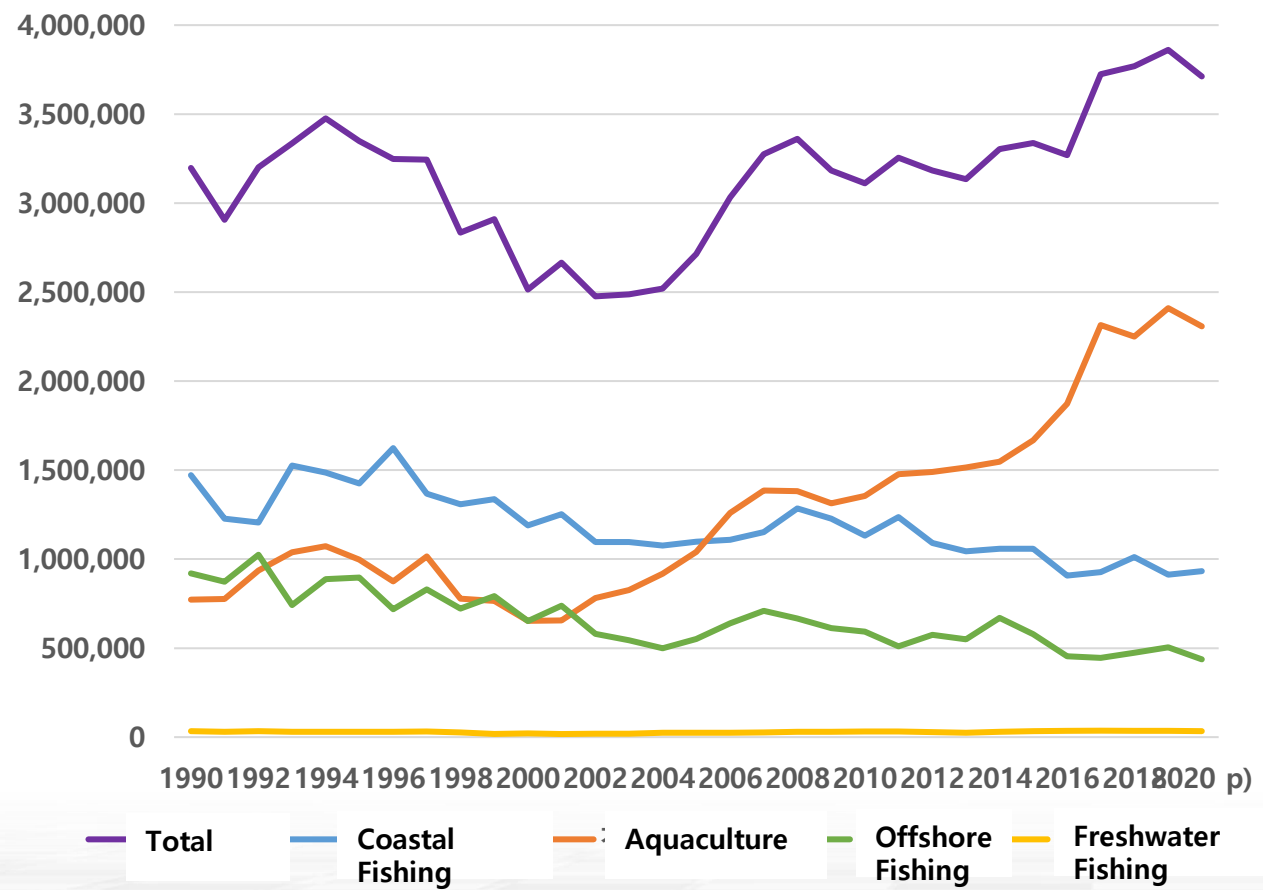
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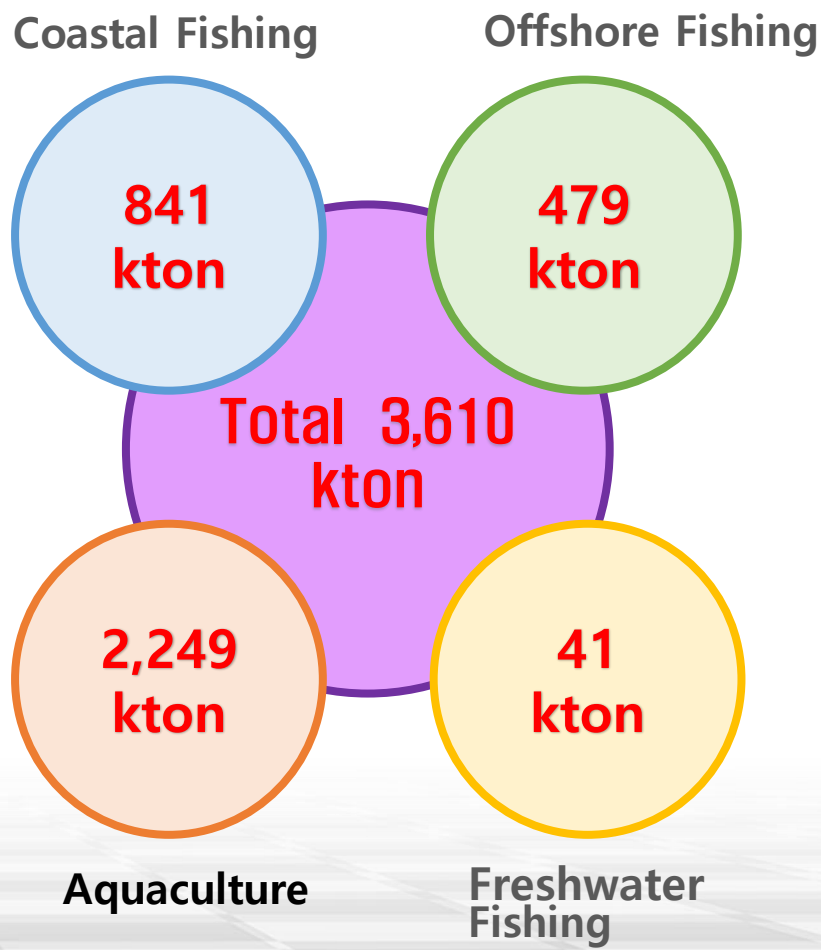
01 Fisheries Products Production Overview

Fisheries Products Production Trend

Production by Industry Segment[ton]



Fisheries Industry Production
[2024]



Fisheries Production Ammount(천톤)

Category	2020	2021	2022	2023	2024
Total	3,713	3,820	3,603	3,678	3,610
Aquaculture	2,308	2,398	2,268	2,269	2,249
Coastal Fishing	934	941	889	956	841
Offshore Fishing	437	439	400	410	479
Freshwater Fishing	34	43	49	43	41

* ('00) 65.3만톤(26.0%) → ('10) 135.5만톤(43.6%) → ('23) 228만톤(61.9%) → ('24) 225만톤(62.3%)

Major Aquaculture Production Amount (ton)

Rank	Category	2020	2021	2022	2023	2024
1	Miyeok (Sea Mustard)	501,501	574,504	584,133	566,564	572,952
2	Gim (Porphyra)	536,127	547,413	550,221	533,249	551,574
3	Dasima (Kelp)	675,074	685,239	560,839	595,931	544,352
4	Oysters	300,084	305,914	310,483	310,753	310,076
5	Mussel	61,968	63,672	53,064	54,322	58,789
6	Flatfish	43,813	41,776	45,827	39,931	39,875
7	Abalone	20,059	23,199	22,078	24,126	23,350
8	Rockfish	21,568	17,473	16,189	14,429	14,514
9	Sea Pineapple	30,613	17,400	17,928	24,694	13,581
10	Tot (Sargassum fusiforme)	27,575	16,497	14,761	17,710	13,144

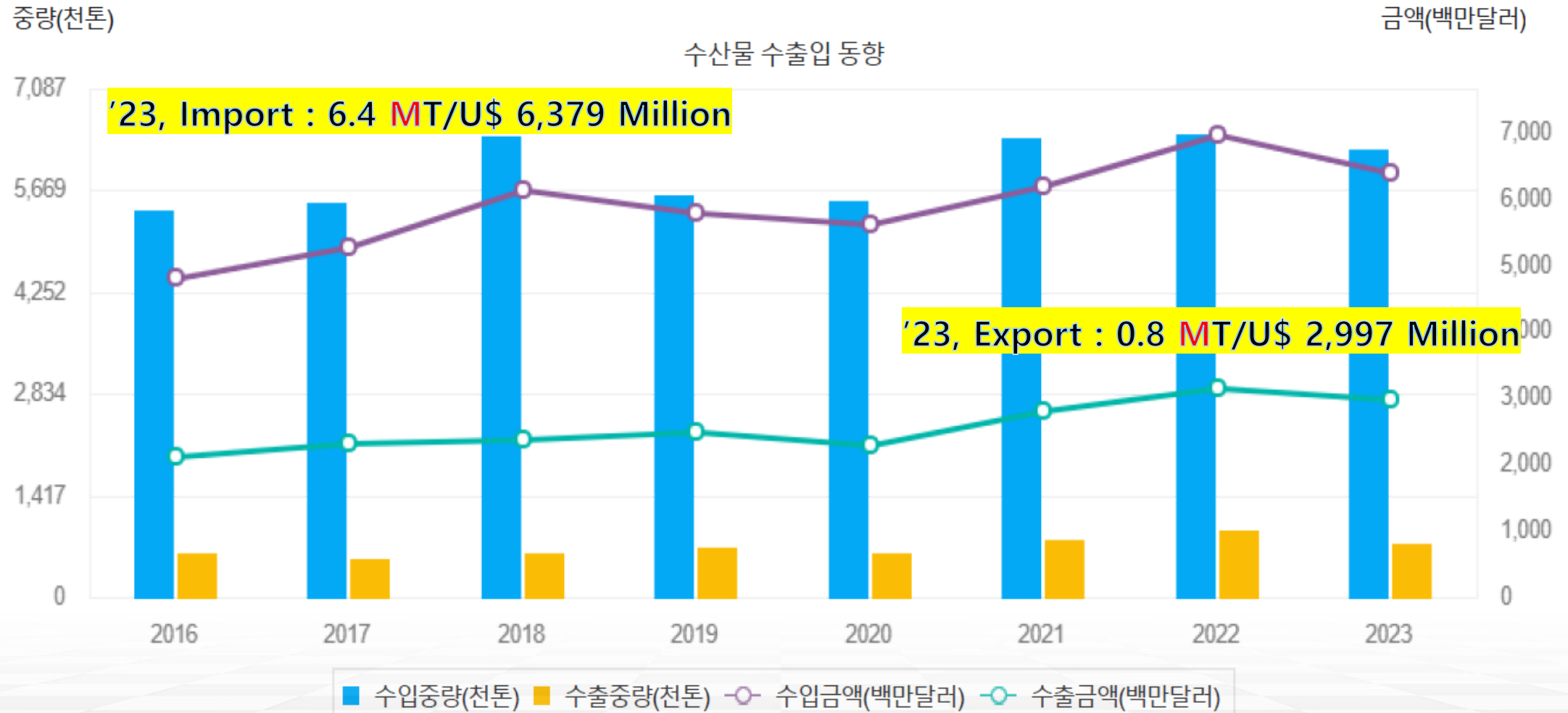
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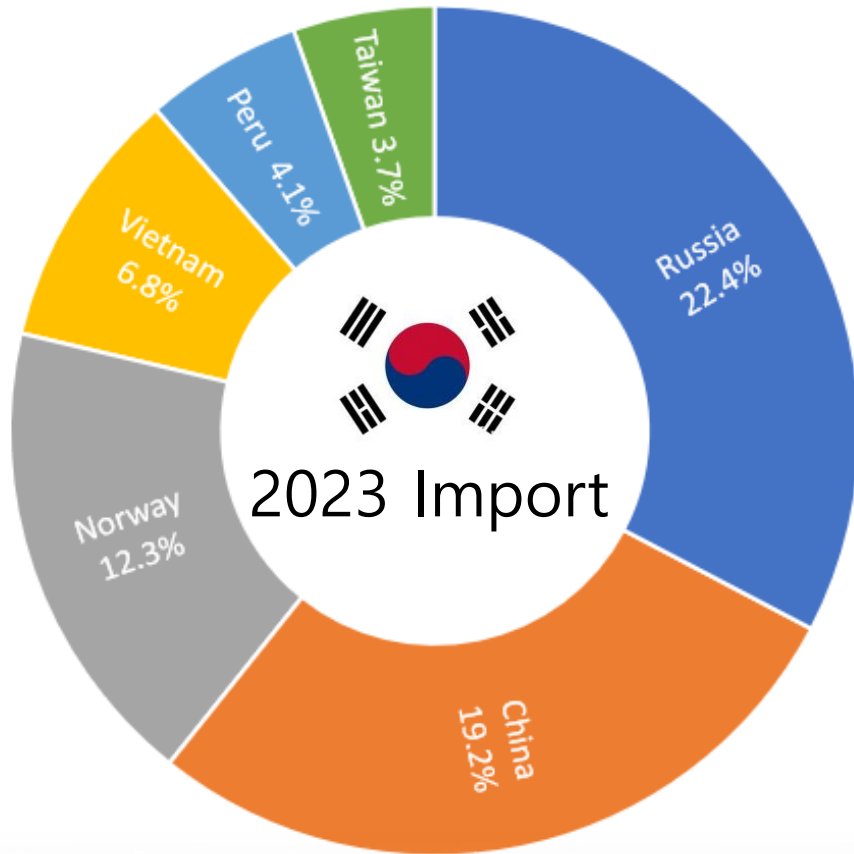
02

Fisheries Products Trade Status

Fisheries Trade Trend



Fisheries Trade Trend



Import & Export of Fisheries

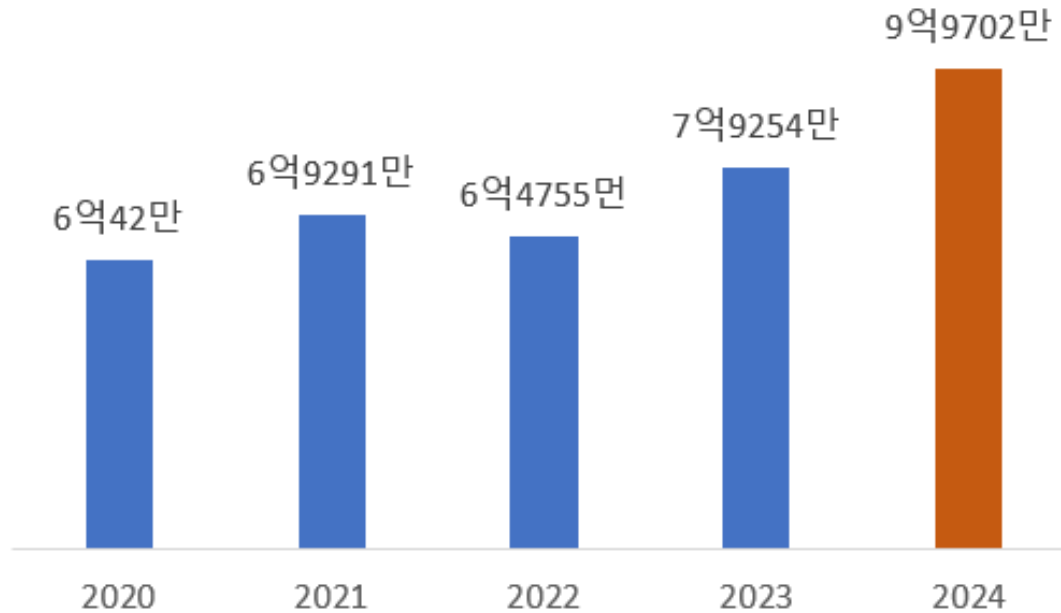
Import

Rank	Item	2023	
		ton	U\$, million
1	Alaskan pollack	377,282	601
2	Squid	136,972	391
3	Salmon	76,566	586
4	Sardine	58,069	27
5	Mackerel	56,158	146
6	Shirimp	55,536	390
7	Shrimp Flash	49,944	466
8	Pacific cod	34,793	133
9	Small octopus	31,253	290
10	Webfoot octopus	29,849	204

export

Rank	Item	2023	
		ton	U\$, million
1	Tuna	183,139	563
2	Mackerel	111,118	110
3	Laver	35,446	793
4	Spanish Mackerel	23,943	78
5	Squid	16,178	91
6	Oysters	10,311	86
7	Flatfish	5,225	56
8	Abalone	2,825	59
9	Toothfish	2,305	69
10	Crab	2,343	84

Gim (Dried Seaweed) Export Trend



출처 : 해수부 수산정보포털

< Export Amount(\$) >



출처 : KATI, 농식품수출정보

< No. of Export Destination Countries(\$) >

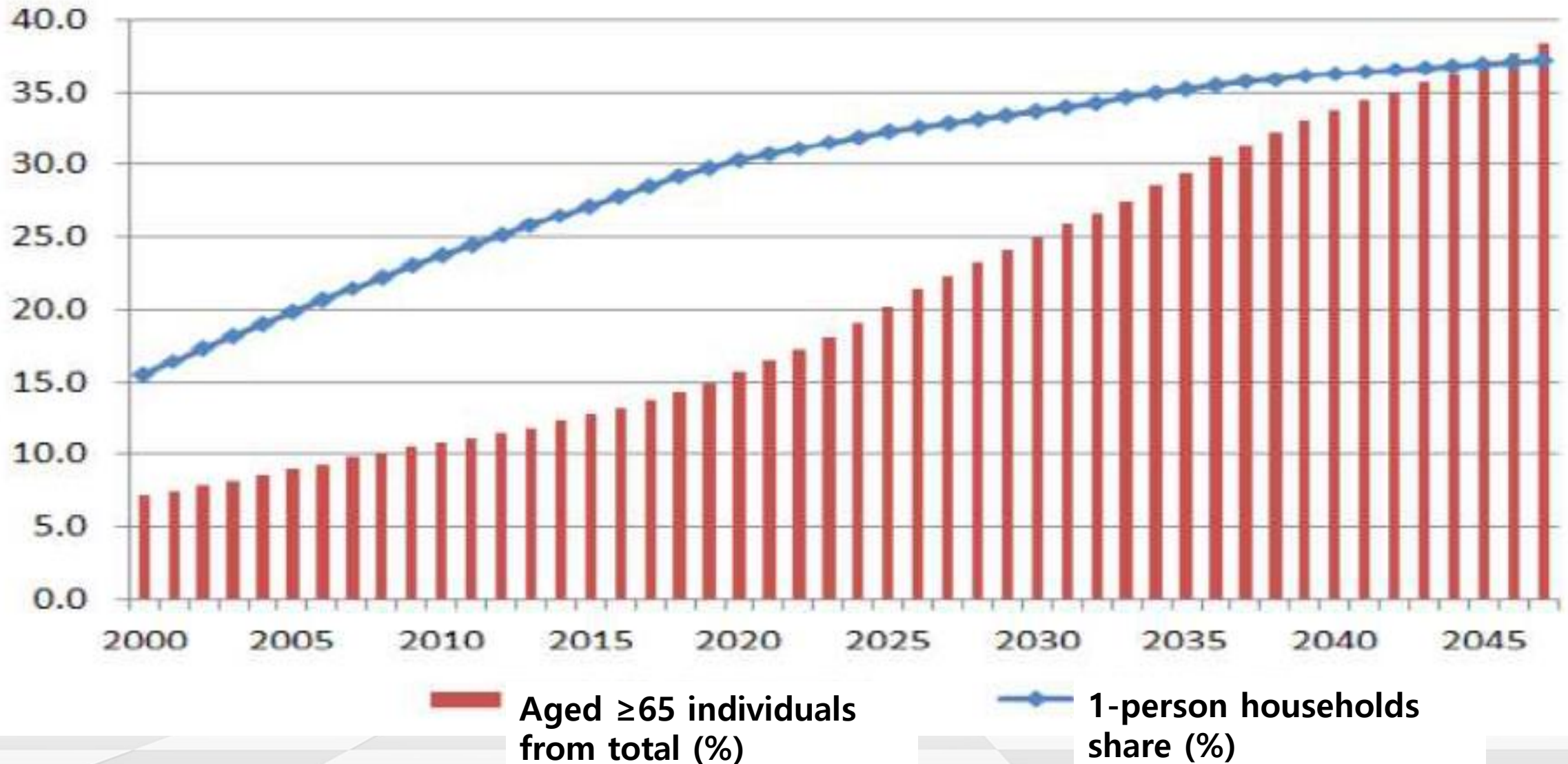
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03

Fisheries Products Consumption

Demographic Trend and Forecast



Fisheries Products Consumption

✍️ **(Consumption)** The consumption of the fisheries product per capita in Korea is about 68.4kg which is very high compared to the world average, 19.9kg. (20')

* Rice 67.2kg, Meat 65.1kg (Korea Rural Economic Institute)



✍️ **(Household Consumption)** The proportion of seafood in Korea's household food purchase expenses is decreasing and it is estimated that the consumption of seafood is shifting to out-of-house consumption.

* (Fisheries food per capita in household food purchase) ('00) 14.4% → ('10) 12.3% → ('20) 10.8% (Statistics Korea)

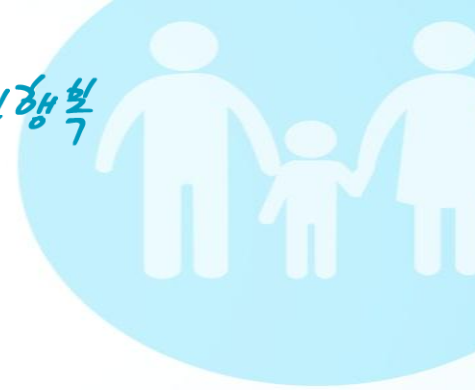
✍️ **(Online Consumption)** The total scale of the online food market in 2021 is about 187 trillion won, of which online sales of agriculture and seafood products amounts to 7.1 trillion won. (47.7% increase compared to 2019)

- Mobile shopping(5.39 trillion won) of agricultural, Livestock and fisheries products are more than Three times higher than internet shopping(1.72 trillion won)

Major Consumed Fisheries Products (50 items)

Category		Item
Fish(26)		Pollock, anchovy, mackerel, skipjack tuna, eel, flatfish (halibut), croaker, cutlassfish, mudfish, haddock, monkfish, saury, tuna, flounder, salmon, rockfish, skate, spotted mackerel, amberjack, spotted sardine, atka mackerel, mullet, fluke, herring, puffer, silver pomfret
Molluscs (13)	Seashells (9)	Manilla clam, mussel, oyster, abalone, cockle, river snail, scallop, conch, melania snails
	Cephalopod(4)	Squid, small octopus, octopus, webfoot octopus
Crustacean(2)		Shrimps, crabs
Sea Weeds(6)		Gim, Dasima, Miyeok, Parae (Enteromorpha), Maesaengi, Tot (Sargassum)
Tunicata(3)		Sea cucumbers, sea pineapple, sea squirt

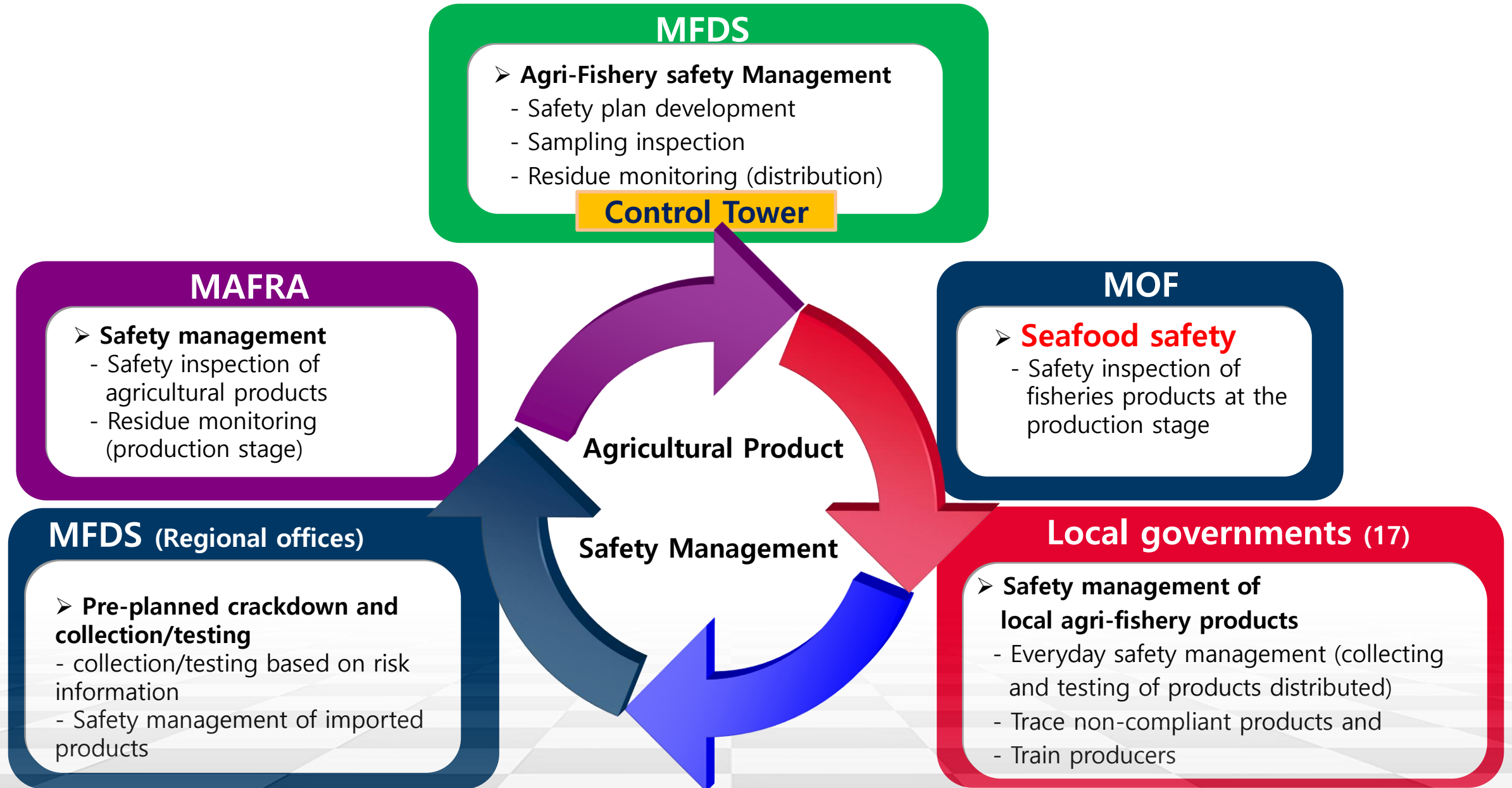
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04

Fisheries Products Safety Management System

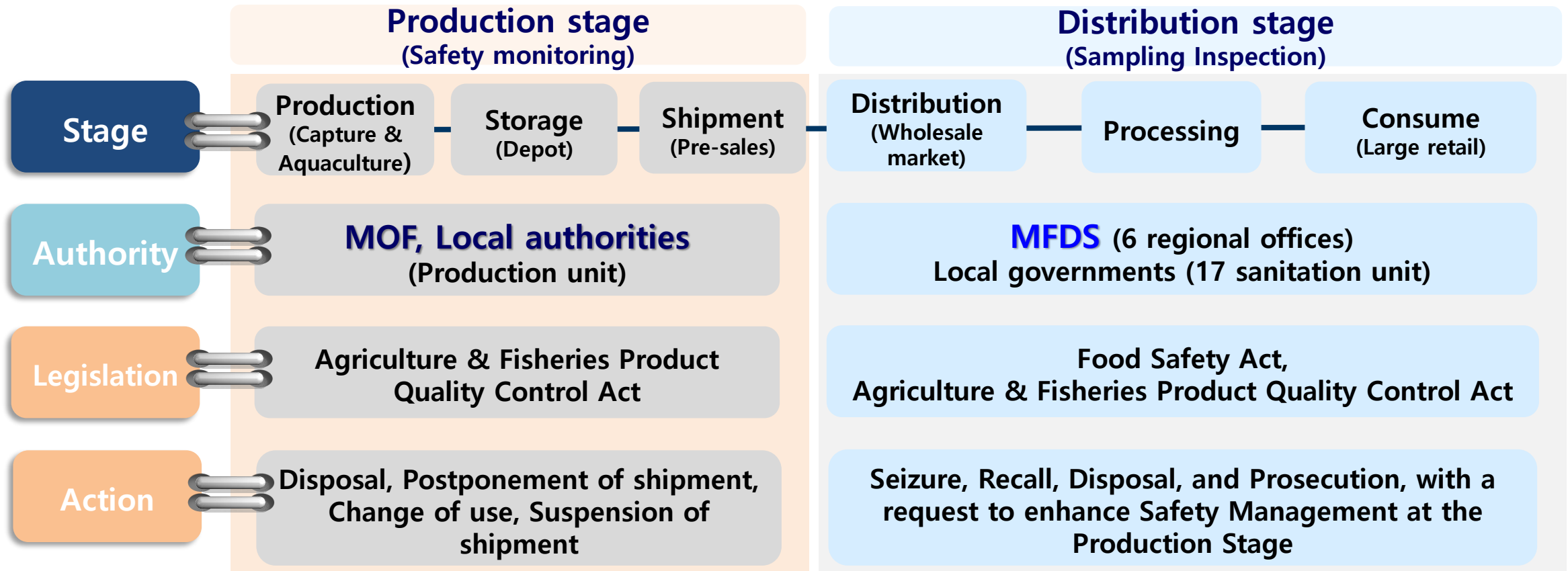
Fisheries Product Safety Management System



Fisheries Product Safety Management System

관리 조직 및 역할

MFDS, Planning and Coordination of Fisheries Safety Management



Non-compliance in Fisheries Products (Production & Distribution Stage)

Production Stage

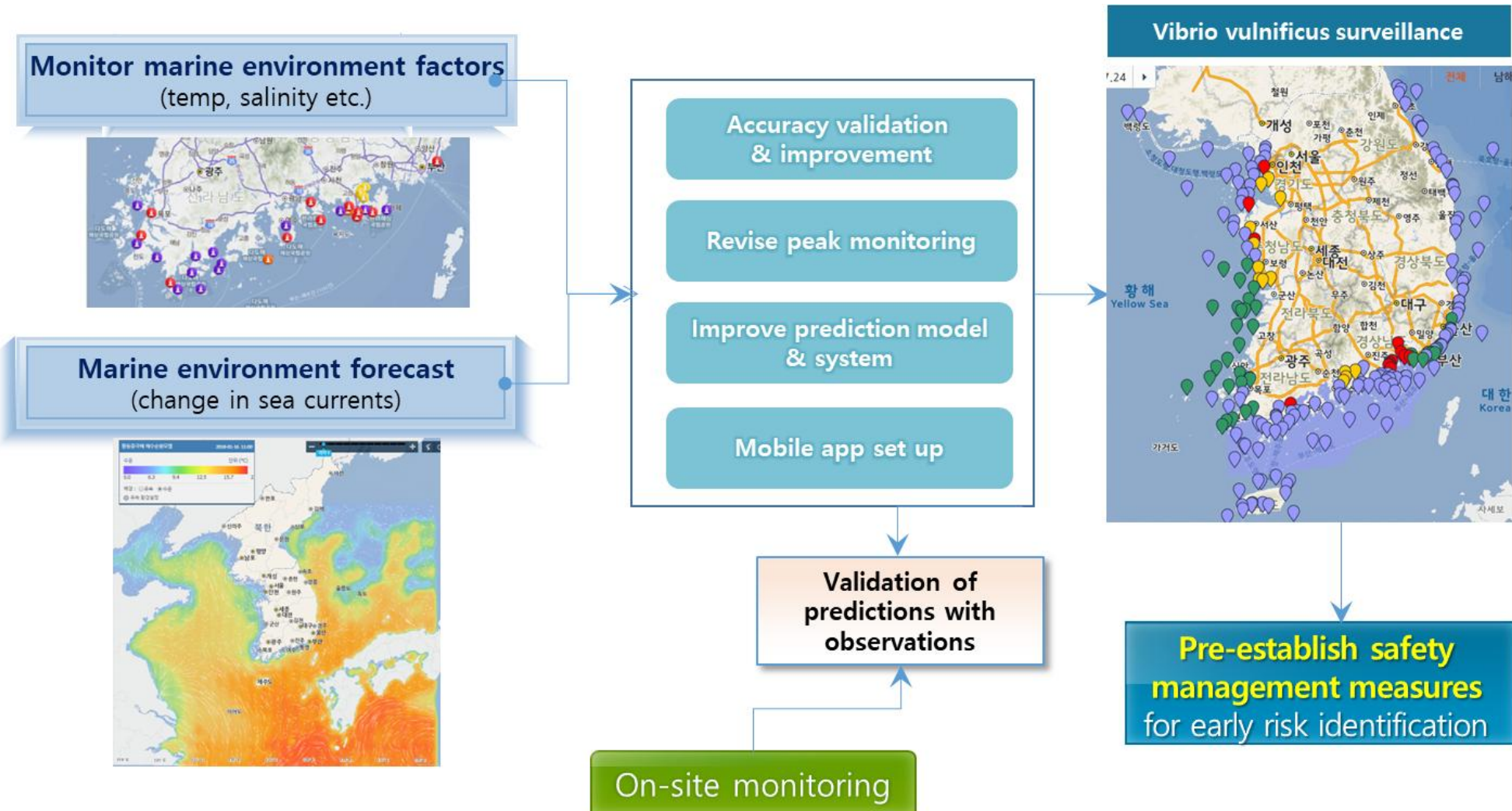
Year	Inspections	Non-compliant Cases (%)	Non-compliance Reason
'20	17,928	296(1.7%)	Shellfish poisoning(225), Veterinary drugs(53), Antioxidant(13), Heavy metal(1), Prohibited Substances(Pefloxacin 2, Methylene Blue 2)
'21	18,764	145(0.77%)	Shellfish poisoning(91), Veterinary drugs(51), Prohibited Substances(2, Methylene Blue), Microorganism (1, Cholera)
'22	19,551	224(1.1%)	Shellfish poisoning(163), Veterinary drugs(43), Prohibited Substances(1, Methylene Blue), Heavy metal(17)
'23	25,398	206(0.8%)	Shellfish poisoning(150), Veterinary drugs(50), Heavy metal(4), Prohibited Substances(2)
'24	24,029	196(0.8%)	Shellfish poisoning(150), Veterinary drugs(32), Others(6), Heavy metal(5), Prohibited Substances(3)

Distribution Stage

'20	14,133	42(0.3%)	Veterinary drugs(19), Microorganisms(14), Saccharin Sodium(2), Heavy metal(1), Net content(6)
'21	15,869	104(0.7%)	Saccharin Sodium(74), Veterinary drugs(11), Mislabeling(10), Net content(2), Heavy metal(2), Shellfish poisoning(1), E.coli(2), Histamine(1), Vibrio vulnificus(1)
'22	16,902	38(0.2%)	Saccharin Sodium(14), Net content(3), Acesulfame Potassium (2), Shellfish poisoning(2), Heavy metal(1), Veterinary drugs(12), Microorganisms(3), Tetrodotoxin(1) * Vibrio vulnificus(2), Listeria monocytogenes(1)
'23	22,527	49(0.2%)	Veterinary drugs(16), Net content(13), Saccharin Sodium(9), Microorganisms(6), Heavy metal(3), Shellfish poisoning(1), Gene(1)
'24	23,014	27(0.1%)	Veterinary drugs(12), Microorganisms(6), Saccharin Sodium(6), Heavy metal(2), Shellfish poisoning(1)

Management of *Vibrio vulnificus* Prediction System

- ☞ Occurrence of *Vibrio vulnificus* predicted by detection history and **marine factors**
(Ex. **Water temperature, current speed**) provided by location (same day) and area (1–3 days)



2025년 수산물 안전관리 추진 일정

No	Planned Activities	Schedule	Agency
1	New Year's Holiday sales fisheries collection inspection	Jan	LA
2	Spring (shellfish poisoning) fisheries safety management	Mar-Jun	MFDS RO, LA, MOF
3	Online sales fisheries collection inspection (1H)	April	LA
4	Simple processing fisheries establishment inspection	May	MFDS RO
5	Summer (Vibrio Vulnificus) fisheries safety management	Jun~Sep	MOF, LA
	Special inspection of raw fish restaurants near coastal areas	July~Aug	MFDS RO, LA
6	Thanksgiving Holiday sales fisheries collection inspection	Sep~Dec	LA
7	Wholesale market Aquaculture collection inspection	Oct	MFDS RO
8	Online sales fisheries collection inspection (2H)	Oct	MFDS RO
9	Simple processing fisheries establishment inspection	Nov	MFDS RO, LA
10	High Consumption fisheries collection inspection	Nov	LA
11	Winter (Norovirus etc.) fisheries safety management	Nov-Feb	MFDS RO, LA
12	Frozen fisheries inspection for illegal increased weight	Continuous	MFDS RO
13	Inspection of false labeling of similar fish species	Quarterly	MFDS RO
14	Sampling inspection of frequently-noncompliant seafood	Continuous	LA

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Thank You



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