

TITLE

Workshop on enhancing aquatic animal health and biosecurity

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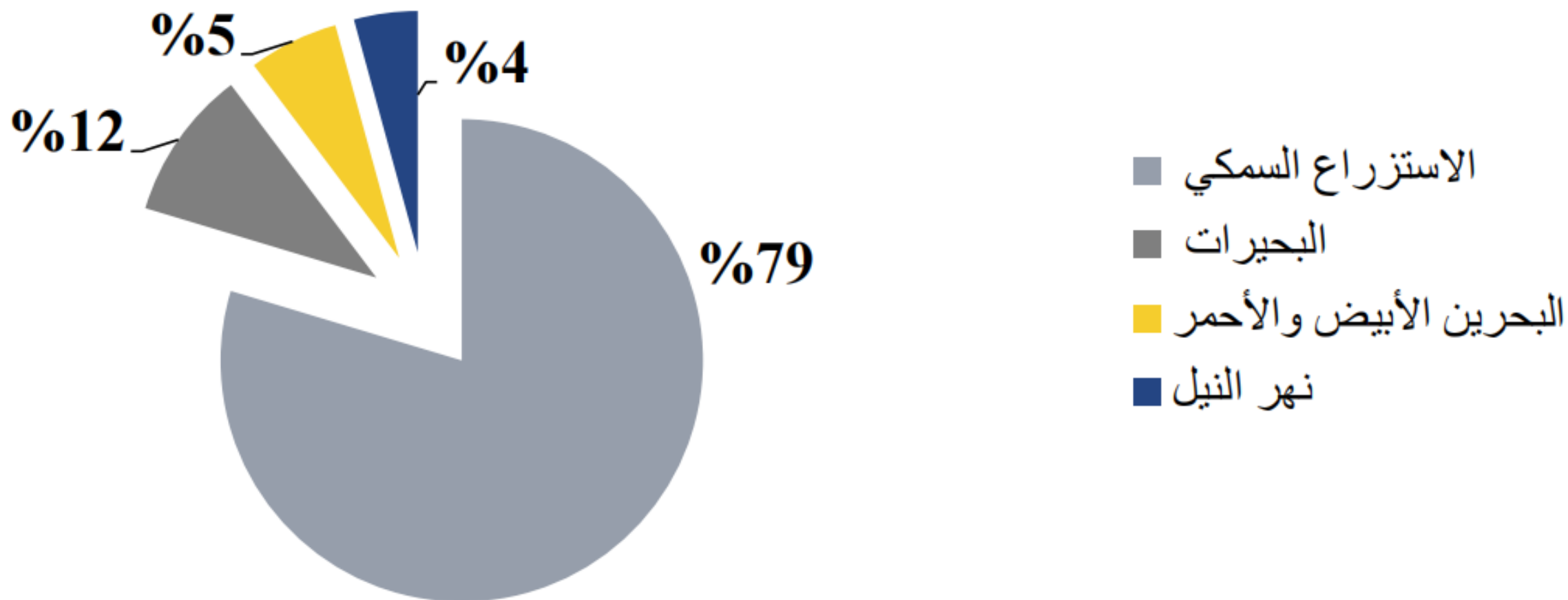
Aquaculture in Egypt

- **Fast Growing Sector**
- **Egypt fish production per Year 2 million Ton**
- **Aquaculture fish production 1.576 million Ton represent 79 % of Fish production**

WORLD FISHERIES AND AQUACULTURE STATISTICS, 2024

TABLE 3 WORLD AQUACULTURE PRODUCTION OF AQUATIC ANIMALS BY REGION AND SELECTED MAJOR PRODUCERS

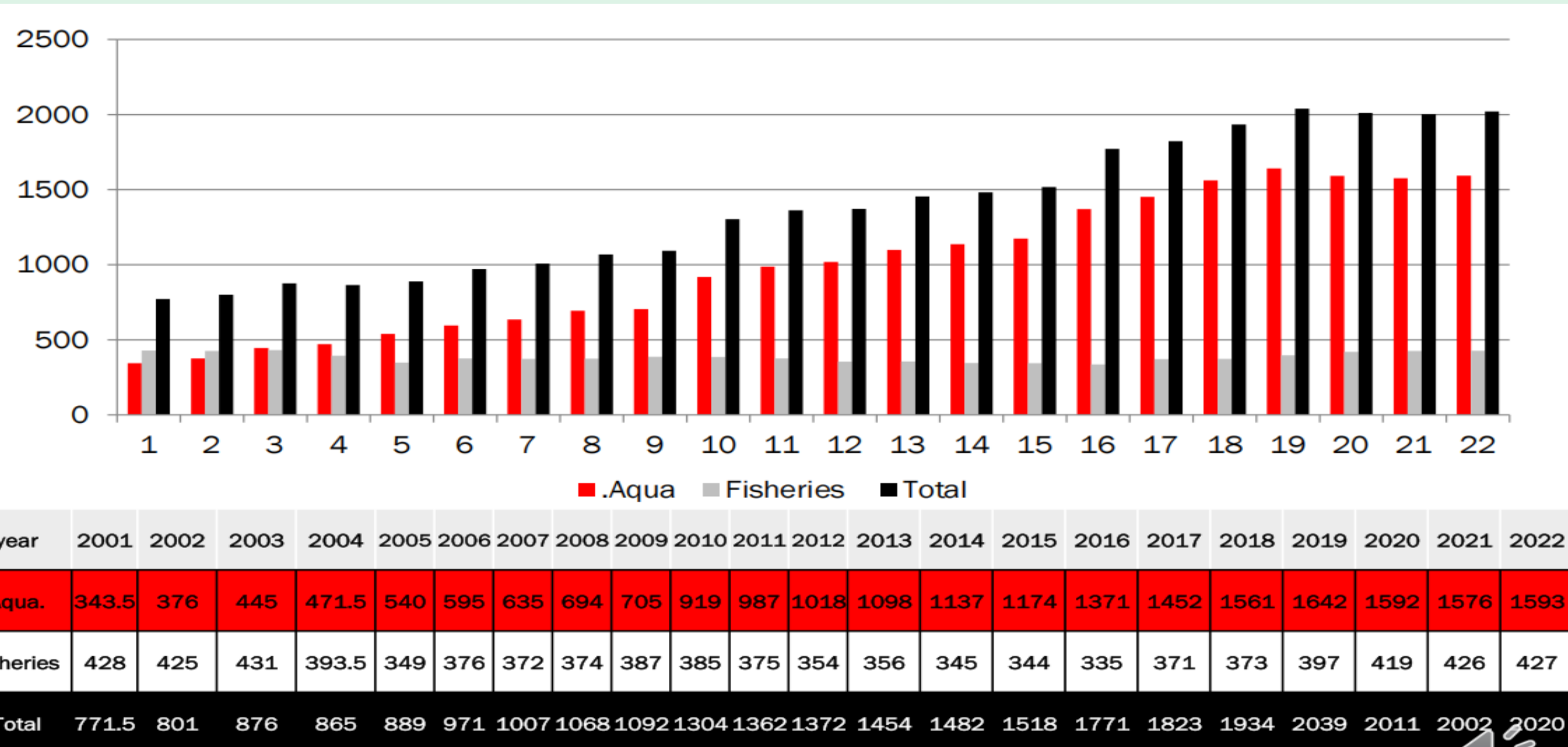
	2000	2005	2010	2015	2020	2021	2022	Share in regional total, 2022 (%)	2020/2022 variation
	<i>(thousand tonnes, live weight equivalent)</i>								
Africa	400	646	1 289	1 788	2 266	2 328	2 317	100	
Egypt	340	540	920	1 175	1 592	1 576	1 552	67.0	
Nigeria	26	56	201	317	262	276	259	11.2	
Ghana	5	1	10	45	64	89	133	5.7	
Uganda	1	11	95	118	124	139	101	4.4	
Others	28	38	64	134	225	249	271	11.7	
Americas	1 423	2 177	2 515	3 280	4 443	4 494	4 958	100	
Chile	392	724	701	1 046	1 486	1 427	1 509	30.4	
Ecuador	61	139	273	427	775	904	1 123	22.6	
Brazil	172	258	411	578	630	649	738	14.9	
United States of America	457	514	497	426	448	461	478	9.6	
Others	341	543	633	804	1 105	1 053	1 111	22.4	
Asia	28 422	39 190	51 233	64 682	77 513	80 485	83 399	100	
China	21 522	28 121	35 513	43 748	49 620	51 221	52 884	63.4	
India	1 943	2 967	3 786	5 341	8 636	9 403	10 230	12.3	
Indonesia	789	1 197	2 305	4 342	5 227	5 536	5 414	6.5	
Viet Nam	499	1 437	2 683	3 462	4 668	4 736	5 160	6.2	
Bangladesh	657	882	1 309	2 060	2 584	2 639	2 731	3.3	
Myanmar	99	485	851	997	1 145	1 167	1 197	1.4	
Thailand	738	1 304	1 286	921	1 012	991	1 001	1.2	
Others	2 177	2 796	3 500	3 810	4 623	4 792	4 783	5.7	
Europe	2 053	2 144	2 533	2 956	3 271	3 570	3 503	100	
Norway	491	662	1 020	1 381	1 490	1 665	1 648	47.0	
Russian Federation	74	115	120	152	270	295	320	9.1	
Spain	311	225	257	297	277	280	276	7.9	
United Kingdom of Great Britain and Northern Ireland	152	173	201	212	220	239	203	5.8	
France	267	245	203	163	191	193	200	5.7	
Greece	95	106	121	107	132	144	142	4.1	
Italy	214	182	153	149	126	146	133	3.8	
Others	448	436	457	496	566	608	582	16.6	
Oceania	122	154	190	178	225	250	235	100	
Australia	32	45	76	83	103	129	125	53.2	
New Zealand	86	105	111	91	119	117	106	45.1	
Papua New Guinea	0	0	2	2	2	2	2	0.8	
New Caledonia	2	3	1	1	1	1	1	0.6	
Others	2	0	1	0	1	1	1	0.2	



الإجمالي	المصايد الطبيعية (425 ألف)			الاستزراع السمكي
	نهر النيل	البحرين	البحيرات	
2.002	75	96	255	1.576

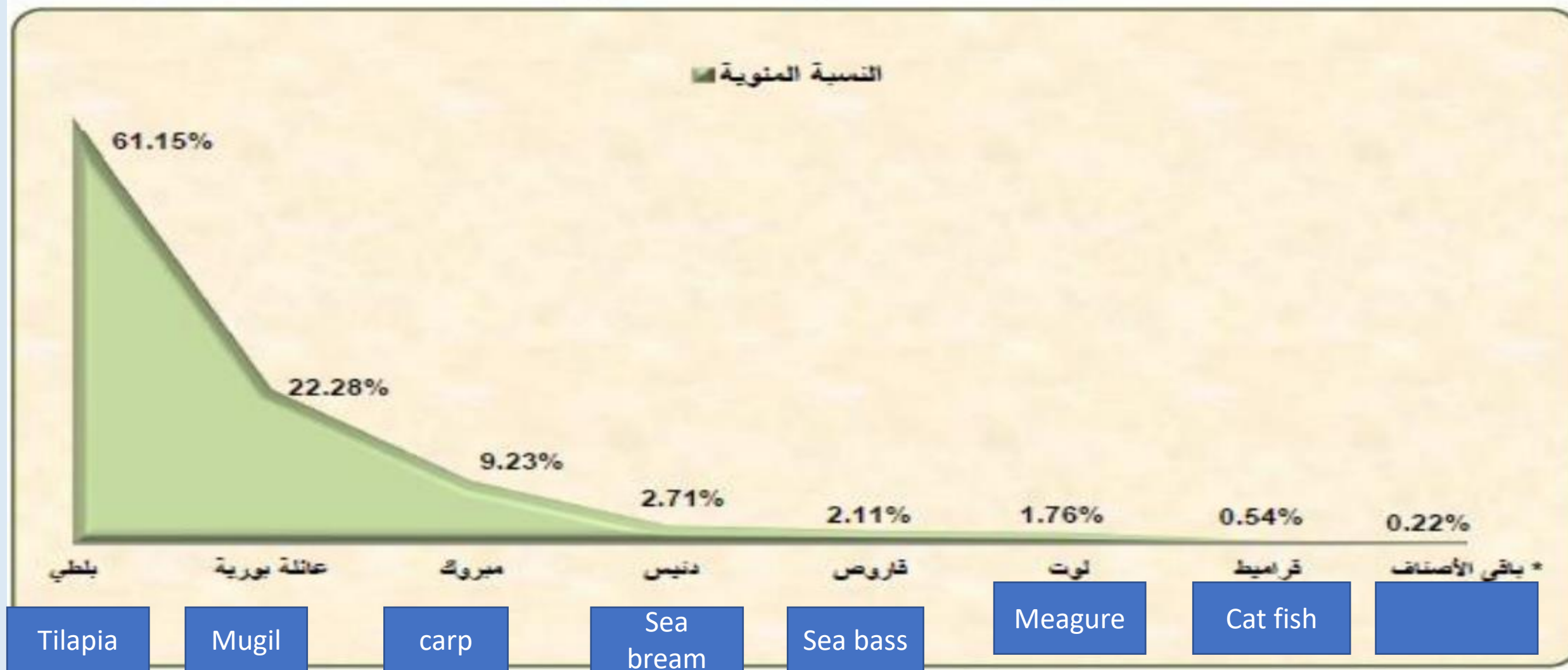


Development of Fish production in Egypt



The qualitative composition of the most important types of fish farming

Figure 4-2 Qualitative structure (%) of the most important farmed species/ MT - 2021





Strengthening Biosecurity

Biosecurity and Operational Guidelines for Aquaculture Farms

- Strict adherence to Standard Operating Procedures (SOPs) is essential to prevent the horizontal transmission of viruses in culture ponds.
- The pond soil must be dried and disinfected thoroughly before use to eliminate pathogens.
- All disease carriers and vectors must be controlled effectively to prevent disease spread.
- Water must never be taken directly from creeks or the sea. Only filtered and treated water from a reservoir should be used



Cont

Strengthening Biosecurity

Biosecurity and Operational Guidelines for Aquaculture Farms

- Entry of stray animals, birds, crabs, and unauthorized personnel must be strictly prohibited.
- All farm workers must follow strict hygiene protocols. Disinfection of workers' feet and hands is mandatory before entering any farm area.
- All farm equipment must be disinfected before use.
- High levels of paddlewheel aeration may produce fine water sprays, which can facilitate viral spread. Submerged aerators should be used instead of paddlewheel aerators.
- No fresh or farm-made semi-moist feeds should be used. Avoid using fish or shrimp head waste in such feeds. Use only scientifically formulated balanced pelleted feeds.



Strengthening Biosecurity

Biosecurity and Operational Guidelines for Aquaculture Farms

- **In the event of a disease outbreak at the early stage of culture**, pond water should be disinfected and retained for more than seven (7) days before discharge.
- **During the later stages of culture**, emergency harvesting may be carried out using nets only. Draining of ponds should be avoided.
- **After harvesting**, the remaining pond water should be disinfected and retained for more than seven (7) days before being released. Information regarding the disease outbreak should be communicated to all farms located in the same area.
- **Collective action among farmers:** These measures should be adopted and implemented collectively by all farmers in the area to ensure effective disease control.

Thank you!

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