



World Organisation  
for Animal Health



# Launch of the Regional Aquatic Animal Health Network for North Africa (RAAHN-NA)

25 – 27 April 2023 Tunis, Tunisia





# EGYPT Report

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- Egypt (Arabic: **مِصْر**, romanized: Miṣr, Egyptian Arabic pronunciation: [masˤr]),
- جمهورية مصر العربية **Gumhuriyat Masr Al Arabiyya**
- officially the Arab Republic of Egypt, is a transcontinental country spanning
- the northeast corner of Africa and southwest corner of Asia via a land bridge formed by the Sinai Peninsula.



- **It is bordered by the Mediterranean Sea to the north,**
- **the Gaza Strip (Palestine) and Israel to the northeast, the Red Sea to the East,**
- **Sudan to the south, and Libya to the west.**
- **The Gulf of Aqaba in the northeast separates Egypt from Jordan and Saudi Arabia.**
- **Cairo is the capital and largest city of Egypt,**
- **while Alexandria, the second-largest city, is an important industrial and tourist hub at the Mediterranean coast.**
- **At approximately more than 100 million inhabitants, Egypt is the 14th-most populated country in the world.**



# Aquaculture in Egypt



## **Egypt's Ranking in the world Aquaculture Production:**

- 1. Globally Eleventh Country in Inland Fish production**
- 2. First African Country in Aquaculture production**
- 3. Sixth Country in Fin Fish production**
- 4. Ninth Country in Crustacean production**



Inland water capture production: Major producer countries

Country	Production (average per year)			Production				Percentage of total, 2018
	1980s	1990s	2000s	2015	2016	2017	2018	
<i>(million tonnes, live weight)</i>								
<b>Top 25 Inland water capture producers</b>								
China	0.54	1.46	2.11	1.99	2.00	2.18	1.96	16
India	0.50	0.58	0.84	1.35	1.46	1.59	1.70	14
Bangladesh	0.44	0.50	0.86	1.02	1.05	1.16	1.22	10
Myanmar	0.14	0.15	0.48	0.86	0.89	0.89	0.89	7
Cambodia	0.05	0.09	0.34	0.49	0.51	0.53	0.54	4
Indonesia	0.27	0.31	0.31	0.47	0.43	0.43	0.51	4
Uganda	0.19	0.22	0.33	0.40	0.39	0.39	0.44	4
Nigeria	0.10	0.10	0.21	0.34	0.38	0.42	0.39	3
United Republic of Tanzania	0.25	0.29	0.30	0.31	0.31	0.33	0.31	3
Russian Federation	0.09	0.26	0.22	0.29	0.29	0.27	0.27	2
Egypt	0.12	0.23	0.27	0.24	0.23	0.26	0.27	2
Democratic Republic of the Congo	0.13	0.17	0.23	0.23	0.23	0.23	0.23	2
Brazil	0.20	0.18	0.24	0.23	0.22	0.22	0.22	2
Mexico	0.10	0.11	0.11	0.15	0.20	0.17	0.22	2
Malawi	0.07	0.06	0.06	0.14	0.15	0.20	0.22	2
Thailand	0.10	0.18	0.21	0.18	0.19	0.19	0.20	2
Philippines	0.26	0.19	0.15	0.20	0.16	0.16	0.16	1
Viet Nam	0.11	0.14	0.21	0.15	0.15	0.16	0.16	1
Pakistan	0.07	0.13	0.12	0.13	0.14	0.14	0.14	1
Chad	0.05	0.08	0.08	0.10	0.11	0.11	0.11	1
Iran (Islamic Republic of)	0.01	0.09	0.07	0.09	0.09	0.10	0.11	1
Kenya	0.09	0.18	0.14	0.16	0.13	0.10	0.10	1
Mozambique	0.00	0.01	0.02	0.09	0.10	0.10	0.10	1
Mali	0.07	0.09	0.10	0.09	0.10	0.11	0.09	1
Ghana	0.05	0.06	0.08	0.09	0.09	0.09	0.09	1
<b>Top 25 producers</b>	<b>4.01</b>	<b>5.86</b>	<b>8.08</b>	<b>9.79</b>	<b>10.01</b>	<b>10.53</b>	<b>10.64</b>	<b>89</b>
<b>Total all other producers</b>	<b>1.69</b>	<b>1.19</b>	<b>1.19</b>	<b>1.36</b>	<b>1.36</b>	<b>1.37</b>	<b>1.38</b>	<b>11</b>
<b>All producers</b>	<b>5.70</b>	<b>7.05</b>	<b>9.27</b>	<b>11.15</b>	<b>11.37</b>	<b>11.91</b>	<b>12.02</b>	<b>100</b>



# Egypt is the First African country

Region/selected countries	1995	2000	2005	2010	2015	2018
Africa	110.2 (0.45%)	399.6 (1.23%)	646.4 (1.46%)	1 285.8 (2.23%)	1 777.6 (2.44%)	2 195.9 (2.67%)
Egypt	71.8 (0.29%)	340.1 (1.05%)	539.7 (1.22%)	919.6 (1.59%)	1 174.8 (1.61%)	1 561.5 (1.90%)
Northern Africa, excluding Egypt	4.4 (0.02%)	4.8 (0.01%)	7.2 (0.02%)	10.0 (0.02%)	23.8 (0.03%)	38.0 (0.05%)
Nigeria	16.6 (0.07%)	25.7 (0.08%)	56.4 (0.13%)	200.5 (0.35%)	316.7 (0.44%)	291.3 (0.35%)
Sub-Saharan Africa, excluding Nigeria	17.4 (0.07%)	29.0 (0.09%)	43.1 (0.10%)	155.6 (0.27%)	262.3 (0.36%)	305.1 (0.37%)





# PROJECTED FISH PRODUCTION, 2030 (live weight equivalent)

	Production			Of which aquaculture		
	2018	2030	Growth of 2030 vs 2018	2018	2030	Growth of 2030 vs 2018
	<i>(1 000 tonnes)</i>	<i>(1 000 tonnes)</i>	<i>(%)</i>	<i>(1 000 tonnes)</i>	<i>(1 000 tonnes)</i>	<i>(%)</i>
<b>Asia</b>	<b>122 404</b>	<b>145 850</b>	<b>19.2</b>	<b>72 820</b>	<b>96 350</b>	<b>32.3</b>
China	62 207	73 720	18.5	47 559	60 450	27.1
India	12 386	15 610	26.0	7 066	10 040	42.1
Indonesia	12 642	14 940	18.2	5 427	7 710	42.1
Japan	3 774	3 520	-6.7	643	740	15.1
Philippines	2 876	3 220	12.0	826	905	9.6
Republic of Korea	1 905	1 850	-2.9	568	605	6.4
Thailand	2 598	2 790	7.4	891	1 220	36.9
Viet Nam	7 481	9 590	28.2	4 134	6 020	45.6
<b>Africa</b>	<b>12 268</b>	<b>13 820</b>	<b>12.7</b>	<b>2 196</b>	<b>3 249</b>	<b>48.0</b>
Egypt	1 935	2 610	34.9	1 561	2 220	42.2
Nigeria	1 169	1 275	9.0	291	365	25.3
South Africa	566	594	5.0	6	10	61.8

Egypt Sixth country in fin fish production

Egypt is ninth country in crustacean production

**World top producers by selected measurements of aquaculture productions**

(Unit: tonnes, live weight)

Top-10 producers: finfish – inland aquaculture		
China	24 817 311	60.1%
India	4 148 407	10.0%
Indonesia	2 459 418	6.0%
Viet Nam	2 369 903	5.7%
Bangladesh	1 647 827	4.0%
Egypt	1 091 688	2.6%
Myanmar	869 384	2.1%
Thailand	467 249	1.1%
Brazil	388 700	0.9%
Philippines	318 798	0.8%
Others	2 713 481	6.6%
<b>WORLD</b>	<b>41 292 167</b>	<b>100%</b>

Top-10 producers: finfish – mariculture		
Norway	1 245 399	21.6%
China	1 123 576	19.4%
Chile	736 310	12.7%
Indonesia	720 545	12.5%
Philippines	375 735	6.5%
Japan	242 905	4.2%
United Kingdom	156 220	2.7%
Greece	124 740	2.2%
Canada	122 024	2.1%
Turkey	110 845	1.9%
Others	820 088	14.2%
<b>WORLD</b>	<b>5 778 387</b>	<b>100%</b>

Top-10 producers: crustaceans – inland aquaculture		
China	2 429 437	94.0%
Bangladesh	50 156	1.9%
United States of America	48 567	1.9%
Thailand	18 500	0.7%
Taiwan Province of China	13 643	0.5%
India	7 100	0.3%
Egypt	5 856	0.2%

Top-10 producers: crustaceans – mariculture		
China	1 340 218	32.5%
Indonesia	636 167	15.4%
Viet Nam	553 701	13.4%
Thailand	329 135	8.0%
Ecuador	304 000	7.4%
India	290 200	7.0%
Mexico	120 585	2.9%

# الثروة السمكية في مصر

## Fish wealth in Egypt

أولاً : المصايد الطبيعية  
First: natural fisheries

ج- نهر النيل  
the Nile River  
1- المجري الرئيسي  
2- الفروع  
3- القنات والخلجان  
1- Main flow  
2- Branches  
3- Channels and Bays

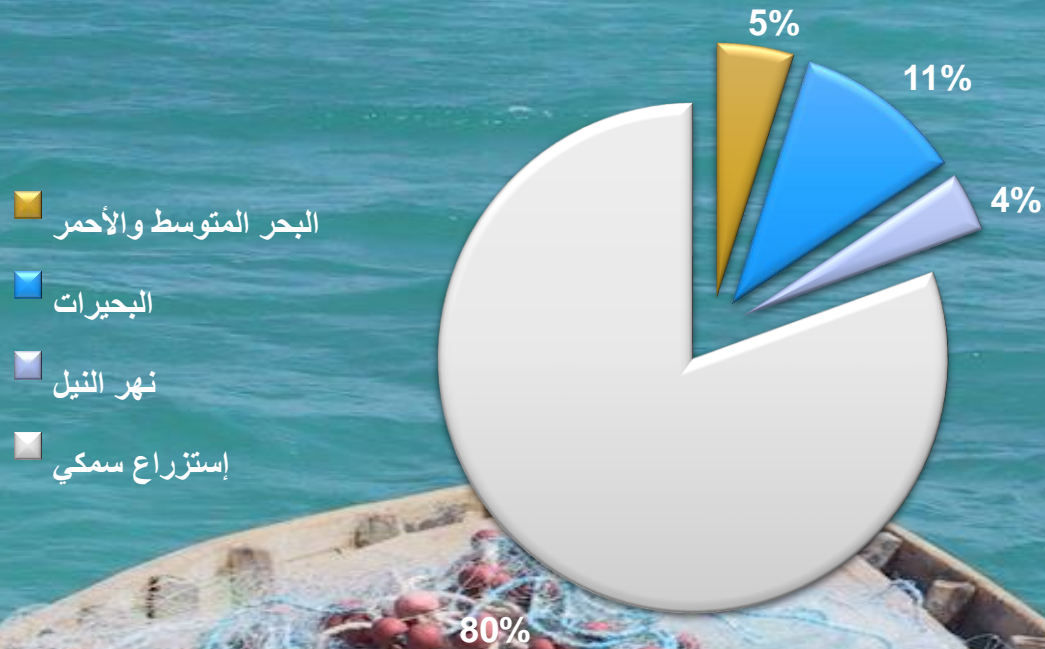
ب- البحار Seas  
1- البحر الأبيض المتوسط  
the Mediterranean sea  
2- البحر الأحمر  
The Red Sea

أ- البحيرات Lakes  
1- البحيرات الشمالية  
2- البحيرات الداخلية  
3- المنخفضات الساحلية  
1- Northern Lakes  
2- Inland lakes  
3- Coastal depressions

ثانياً : الاستزراع السمكي  
Second: fish farming

# Fish production in Egypt

The production of fish in the Arab Republic of Egypt in 2020 reached (2 million tons)



Natural fisheries 400 thousand tons (20%).  
 Fish farming 1.6 million tons (80%) worth 62 billion pounds

Imported fish 400 thousand tons

\*Exported fish 30 thousand tons

\*Per capita local production 20 kg / year

Global per capita 20.5 kg/year

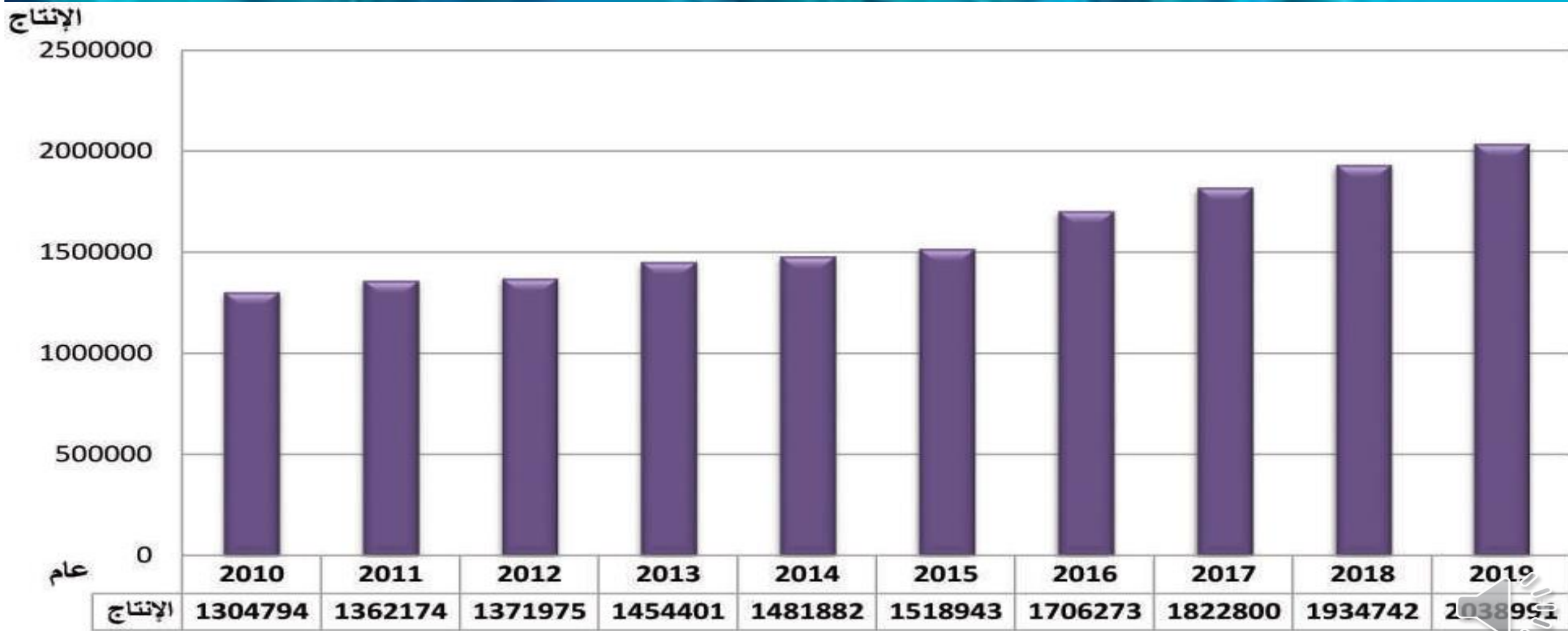
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Central Agency for Public Mobilization and Statistics



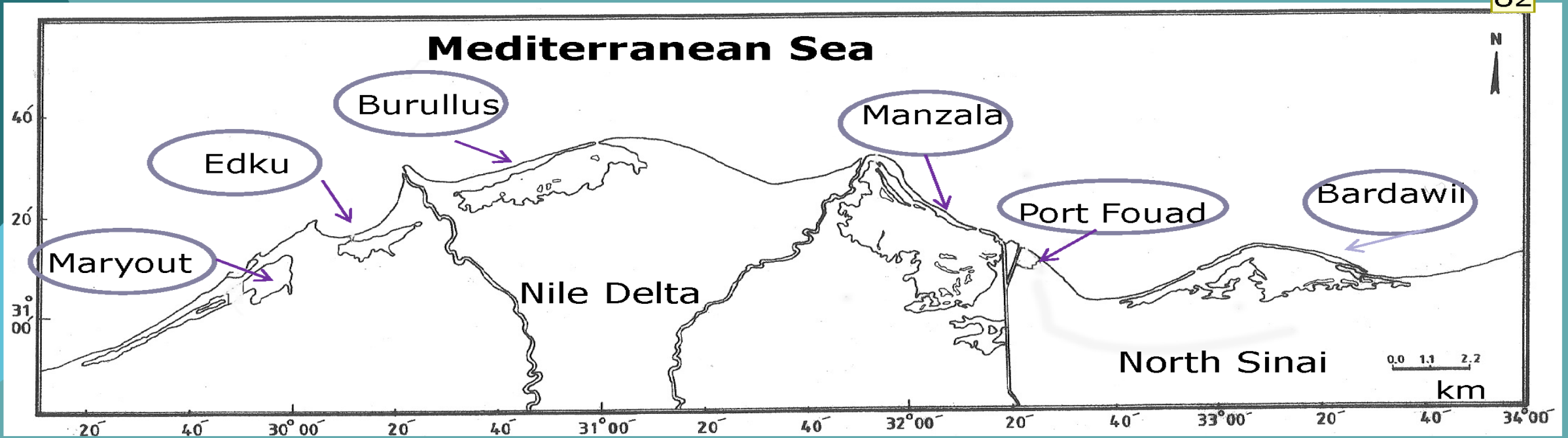
# الإنتاج خلال الفترة من عام 2010 وحتى عام 2019

## Production during the period from 2010 to 2019



# Number and distribution of coastal lagoons in Egypt

U2

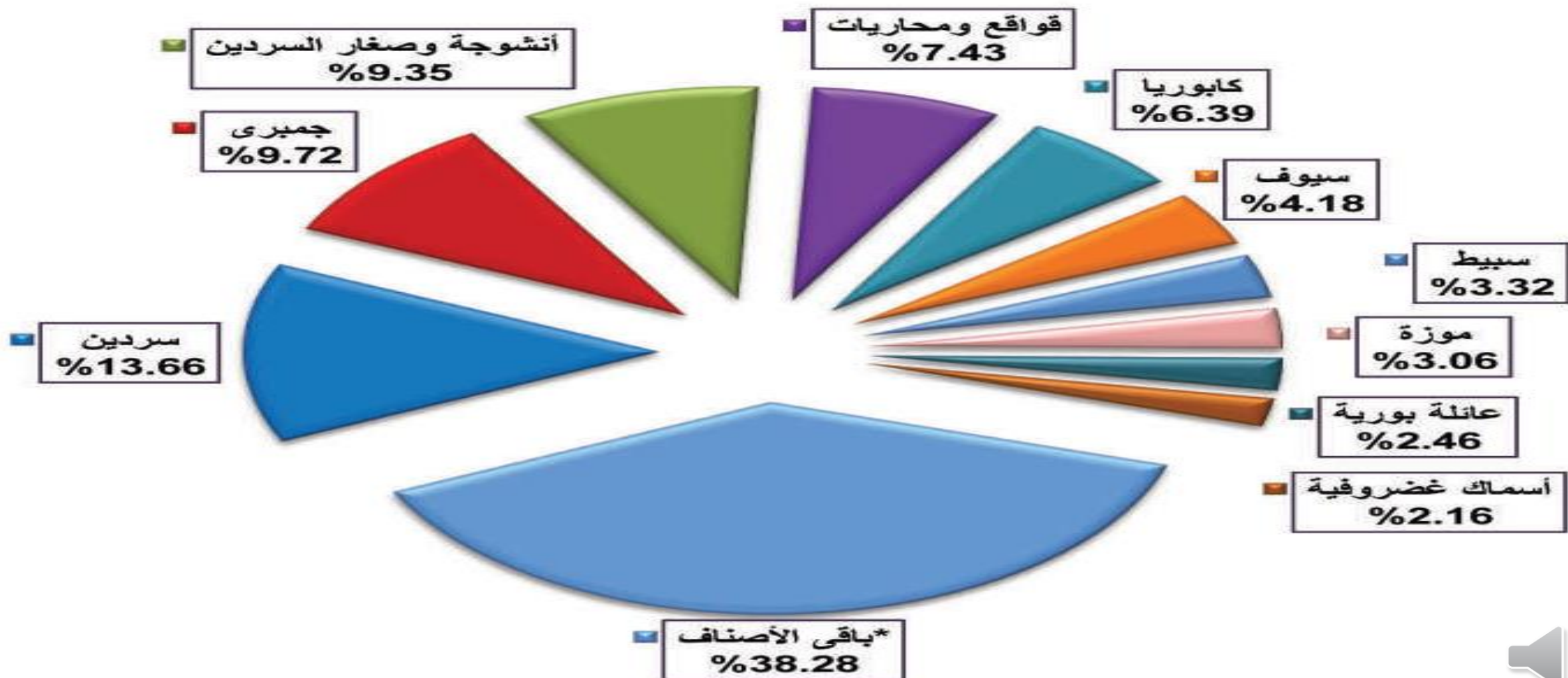


Inland lagoon	Delta Lagoons	Hypersaline Lagoons
No connection to sea	Connected to sea through inlet (s)	Connected to sea through inlet (s)
Receive freshwater	Receive freshwater	No freshwater input



# التركيب النوعي (%) لأهم أصناف البحر المتوسط عام 2019

Specific composition (%) of the most important Mediterranean Fish varieties in 2019



## البحر الأحمر Red Sea

Number of fishermen 24,821 fishermen

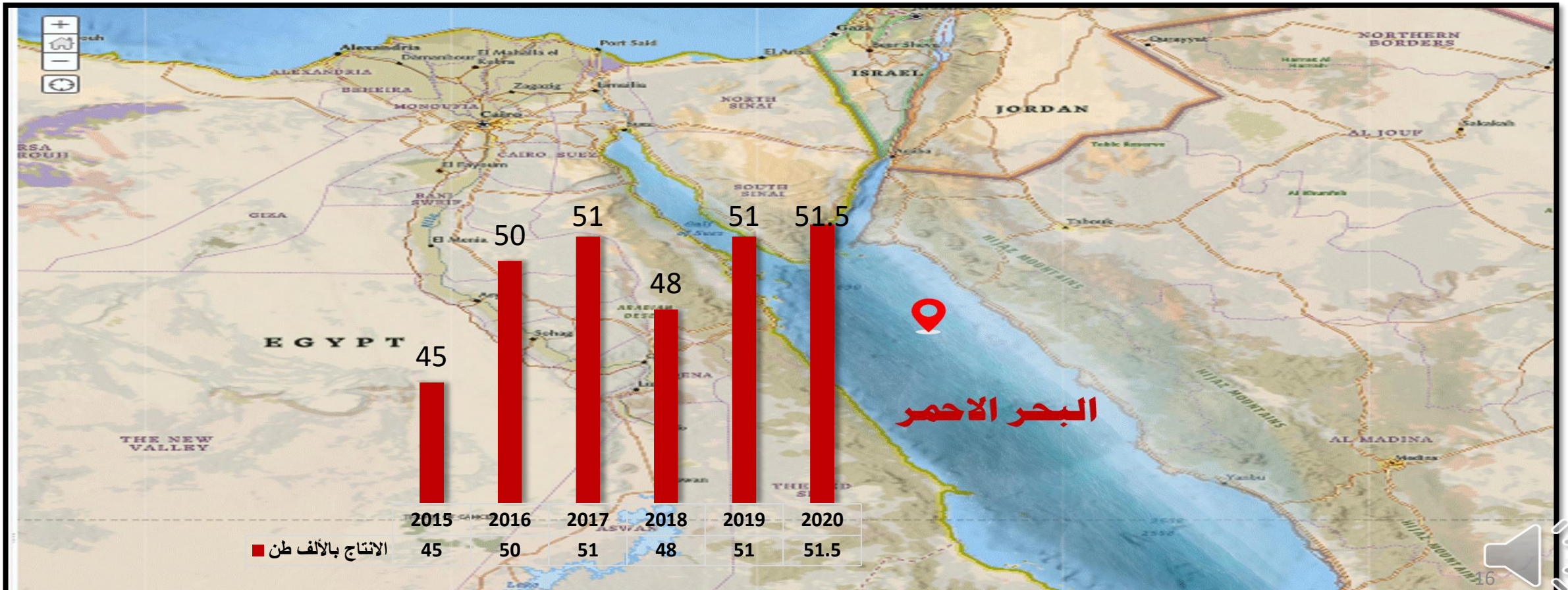
■ عدد الصيادين 24821 صياد

Number of fishing licenses 1950 boats

■ عدد رخص الصيد 1950 مركب

■ أهم الأسماك : سردين - باغة - مكرونة - صرع - أنشوجة - كسكمرى

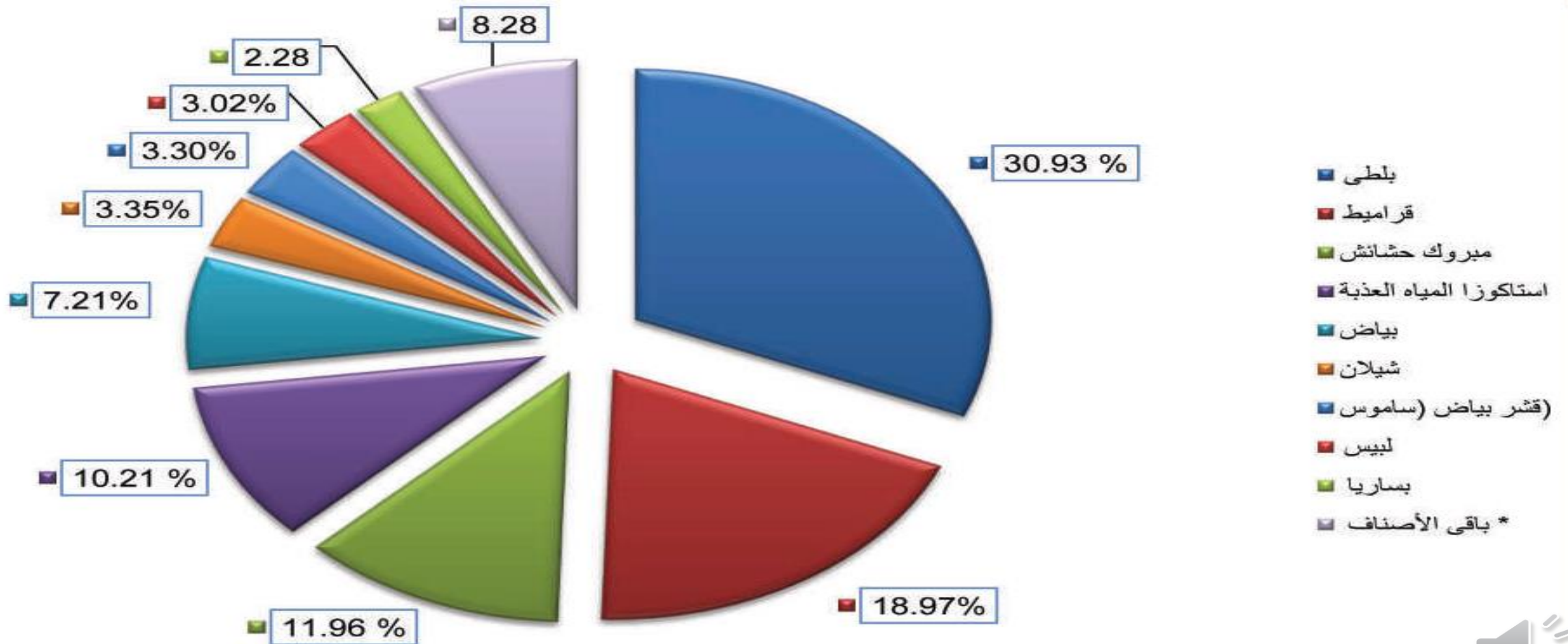
■ The most important fish: sardines - sorghum - makerel - sardines - anchovies - couscous



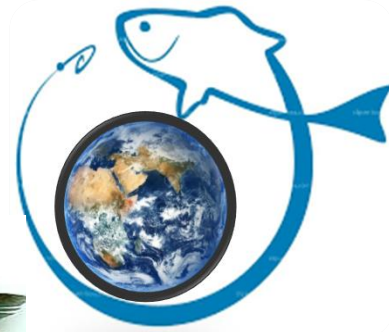


# التركيب النوعي (%) لأهم أصناف نهر النيل عام 2019

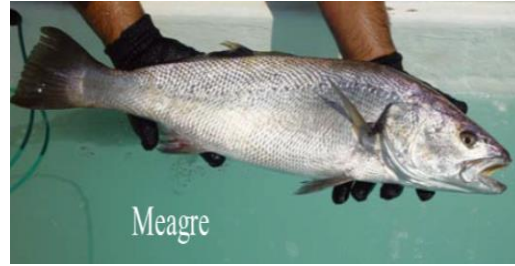
## Specific composition (%) of the most important varieties of the Nile River in 2019



# Fish and their relationship to water and land relationship



Sea Bream



Meagre



Sea Bass

- The Earth's surface is covered by: 70% of salt water.
- Only about 3% is fresh water.
- As vertebrates, fish dominate the world's water bodies through a variety of morphological, physiological, and behavioral adaptations.
- Fish live in the water for more than 450 million years.
- So far, a total of 24,618 species of fish have been described, belonging to 482 families and 4,258 generations. About 58% of marine fish species, 41% of freshwater inhabitants, and 1% of migrants.



© 1992, Diane Rome Peebles



## Types of Fish Farming:

1. Aquaculture.
2. Mariculture.

## Aquaculture/Mariculture types:

1. Earthen ponds.
2. Cement ponds.
3. Fiberglass tanks.
4. Cages.
5. Raceways
6. Lakes and lagoons.



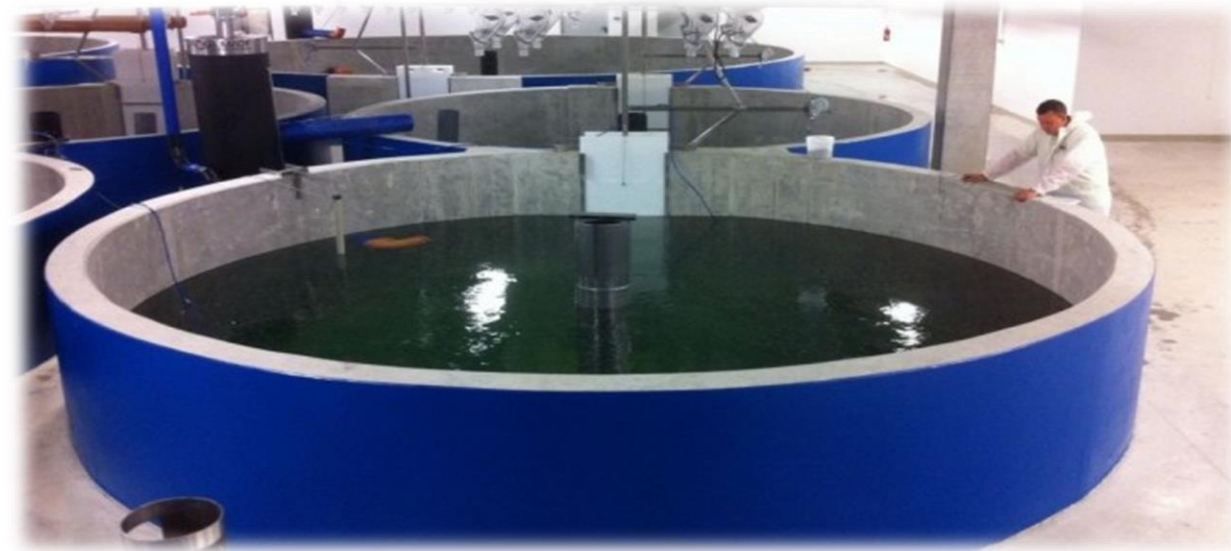
Isolated ponds



Cages



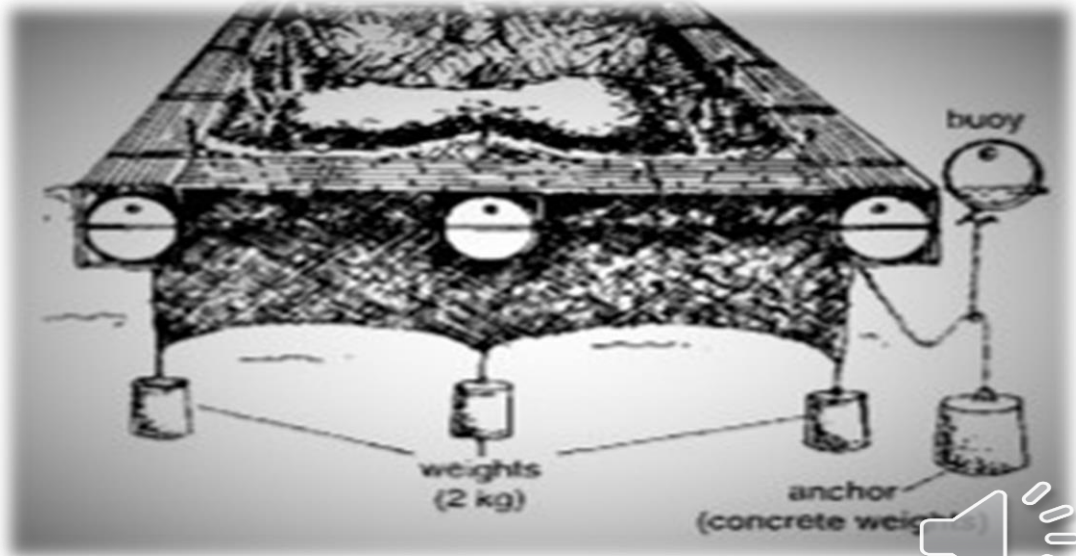
RAS (النظام المغلق)  
RAS . closed system



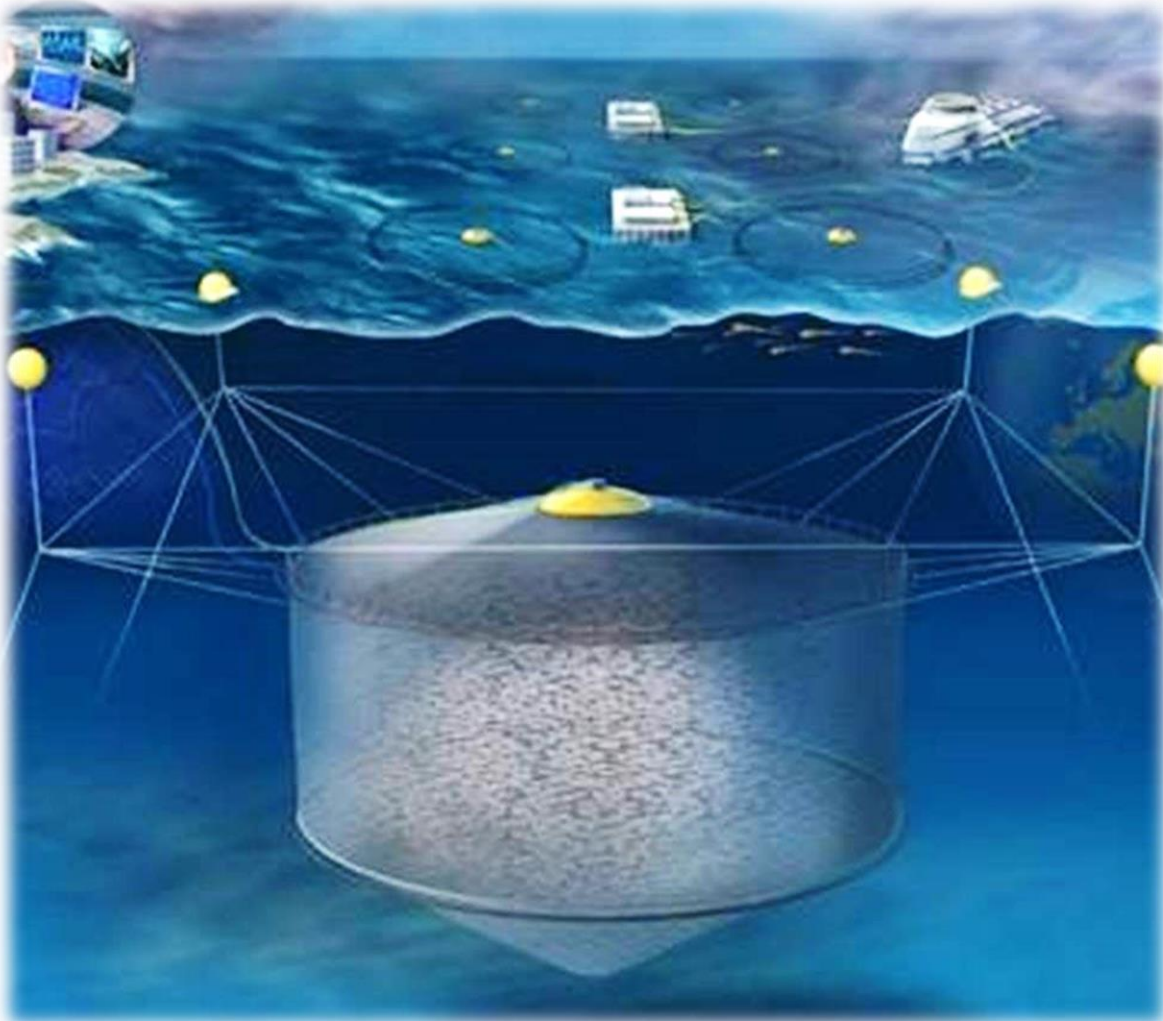
الاستزراع السمكى فى حقول الأرز  
Fish farming in rice fields



# Fixed cages



الأقفاص المغمورة  
submerged cages



الأقفاص العائمة  
floating cages



شكرا جزيلًا

Thanks

