



Making Cooperation Work

COMCEC STRATEGY

for Building an Interdependent Islamic World

COMCEC AGRICULTURE OUTLOOK

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(Ankara University)



25th Meeting of COMCEC Agriculture Working Group

September 22th, 2025 Ankara, Türkiye

Outline

1. Macro Agricultural Indicators / Sectorial Indicators

- Agricultural Value Added
- Agricultural Growth Rates
- Population and Employment, Trade
- Land Use
- Crop, Livestock and Fish Production
- Productivity
- Input usage (Water, fertilizer, pesticide-insecticide)
- Mechanization

2. Food Security

- Availability (Protein supply, dietary adequacy, undernourishment)
- Access
- Utilization
- Stability

3. Problems and recommendation

4. Agricultural Cooperation

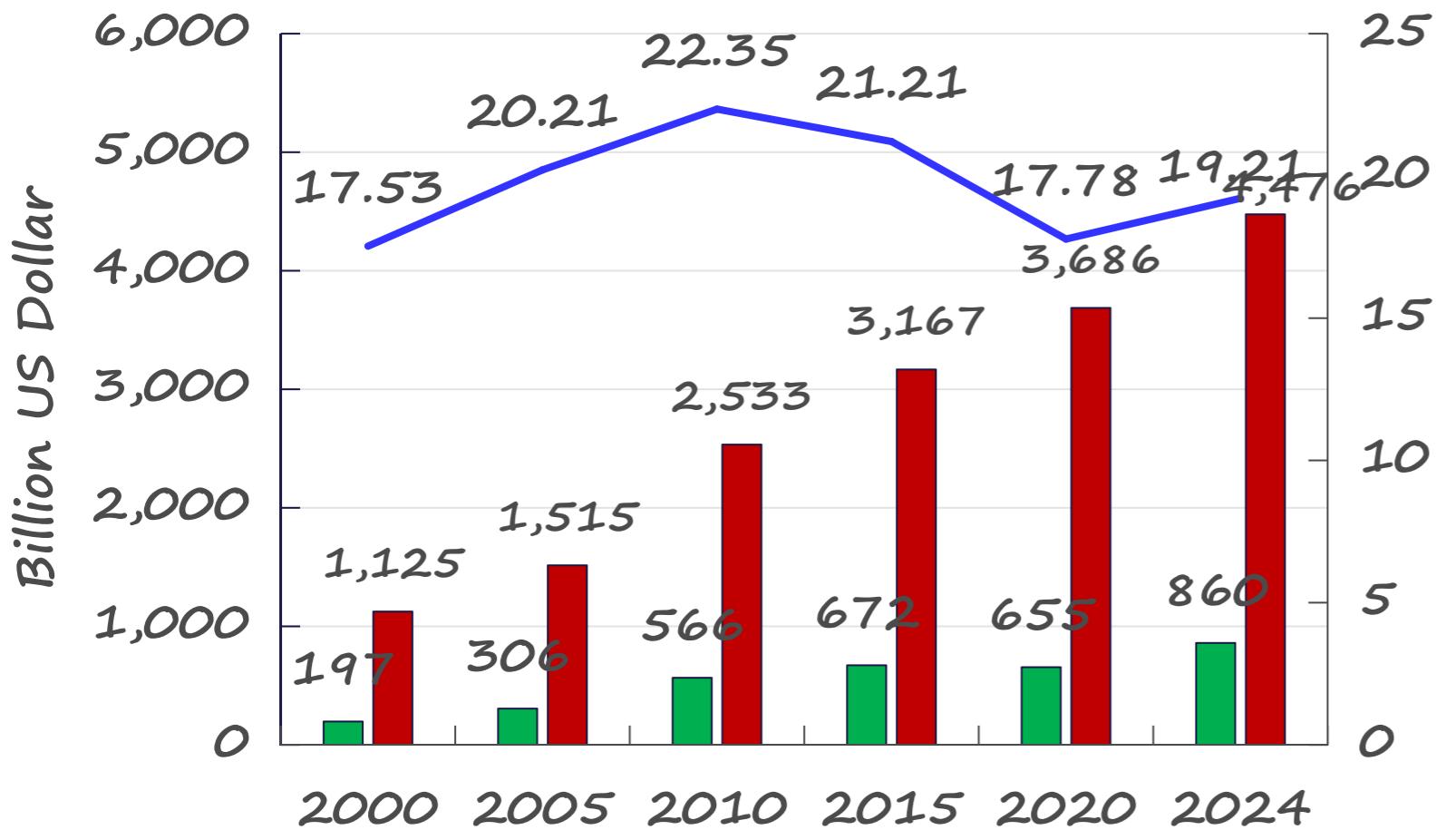
5. Conclusion



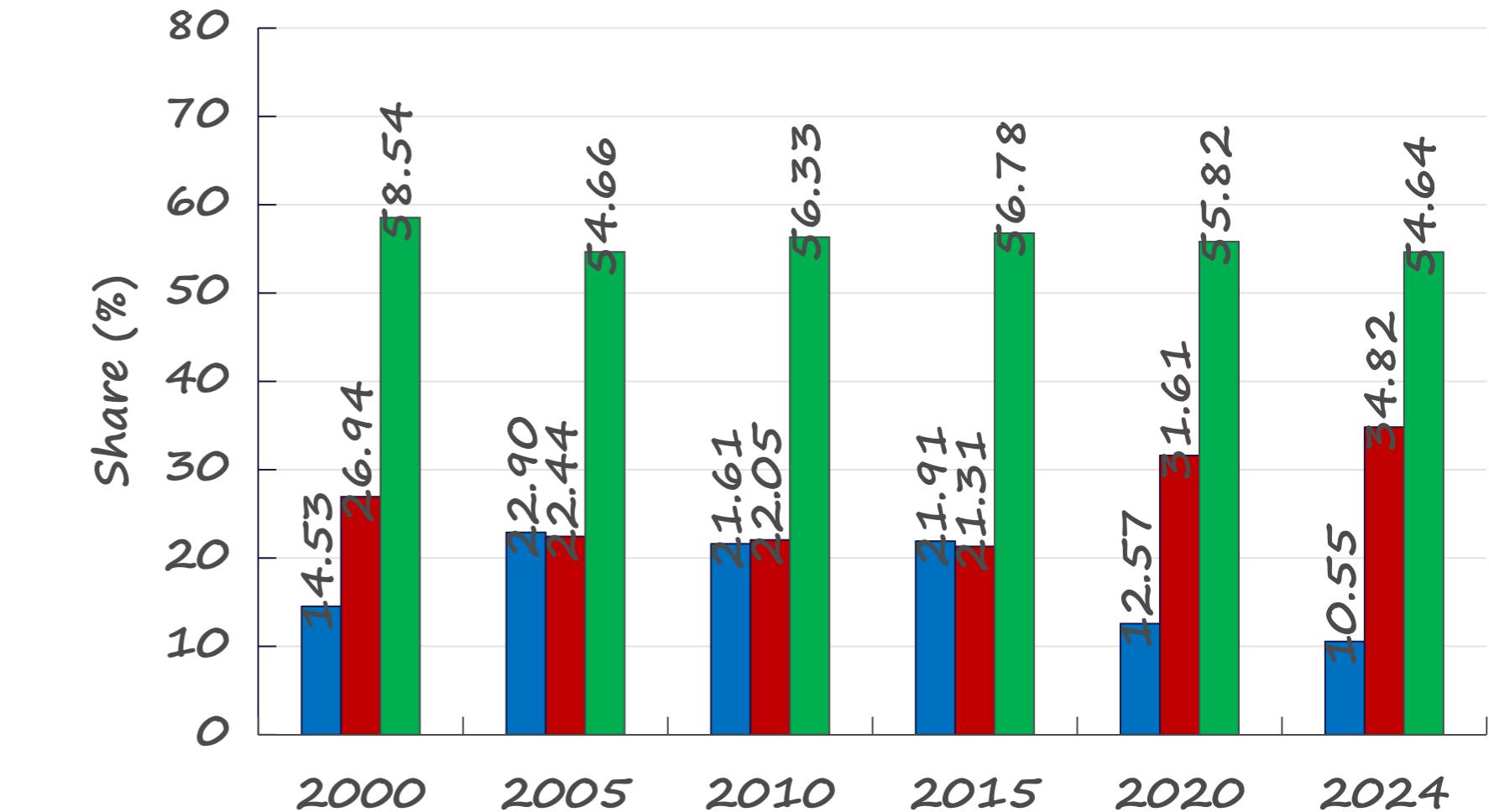
1. Macro Agricultural Indicators / Sectorial Indicators

➤ Agricultural Value Added

Agriculture forestry and fishing value added (current US\$) in OIC Countries (by sub region) and Share in the World (%)



■ OIC Total ■ World Total — Share of OIC in the World

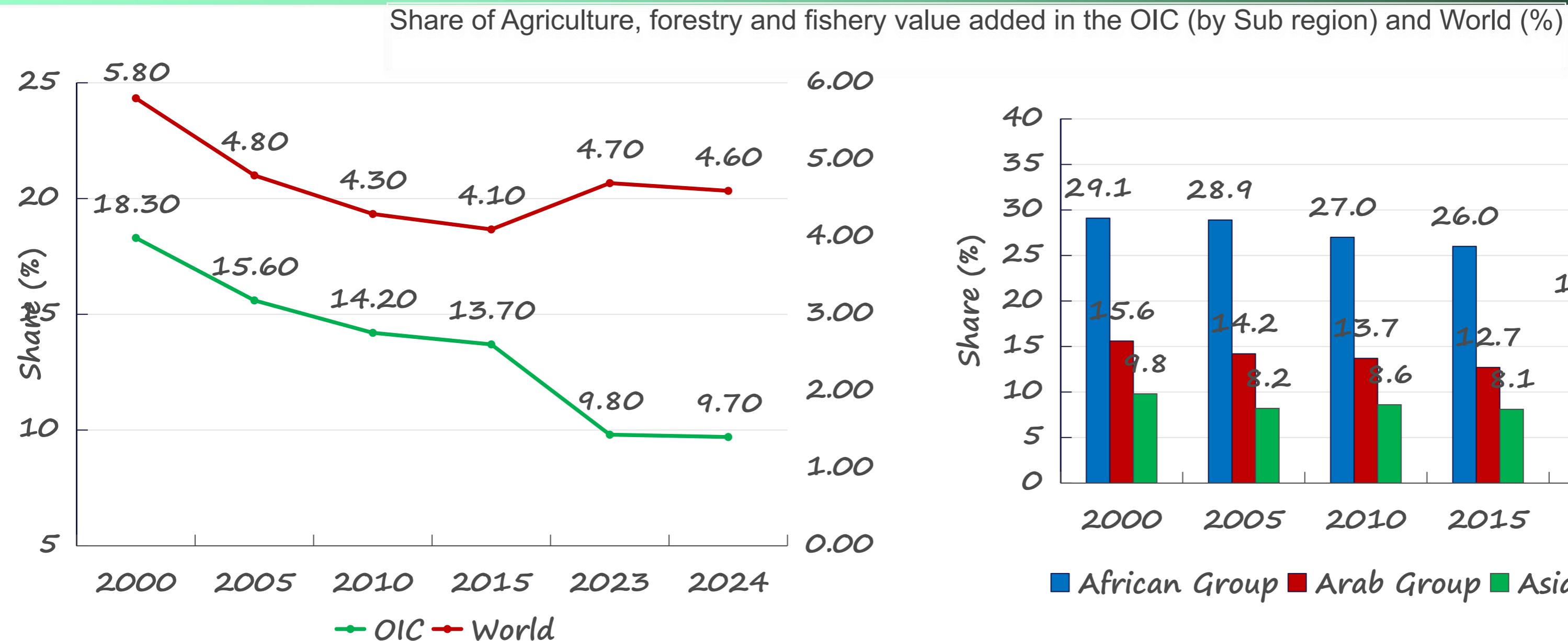


■ African Group ■ Arab Group ■ Asian Group

Source: <https://data.worldbank.org/indicator/NV.AGR.TOTL.CD?locations=TR>

1. Macro Agricultural Indicators / Sectorial Indicators

Agricultural Value Added



Source: estimated from <https://databank.worldbank.org/source/world-development-indicators>



1. Macro Agricultural Indicators / Sectorial Indicators

➤ Agricultural Value Added

*Agriculture, forestry and fishing value added (GDP) rankings in
the OIC*

	2015		2024		Share (%)
	Agricultural GDP (Billion Dollar)	Share %	Agricultural GDP (Billion Dollar)	Share (%)	
1	Indonesia 116,2	17,29	Indonesia 176,1	27,75	
2	Nigeria 100,4	16,25	Pakistan 87,8	13,83	
3	Pakistan 64,4	10,43	Türkiye 74,0	11,66	
4	Türkiye 59,4	9,62	Iran 56,8	8,95	
5	Iran 40,4	6,54	Bangladesh 50,3	7,93	
6	Egypt 37,5	6,07	Egypt 53,3	8,40	
7	Bangladesh 28,8	4,66	Nigeria 38,2	6,02	
8	Uzbekistan 25,2	4,08	Malaysia 34,4	5,42	
9	Malaysia 25,0	4,05	Algeria 32,4	5,10	
10	Sudan 20,8	3,37	Saudi Arabia 31,4	4,95	
Top Ten Total		518,10	77,13%	Top Ten Total	634,7 73,78%
OIC Total		671,7	21,21%	OIC Total	860,3 14,18%
World		3166,9		World	4476,4

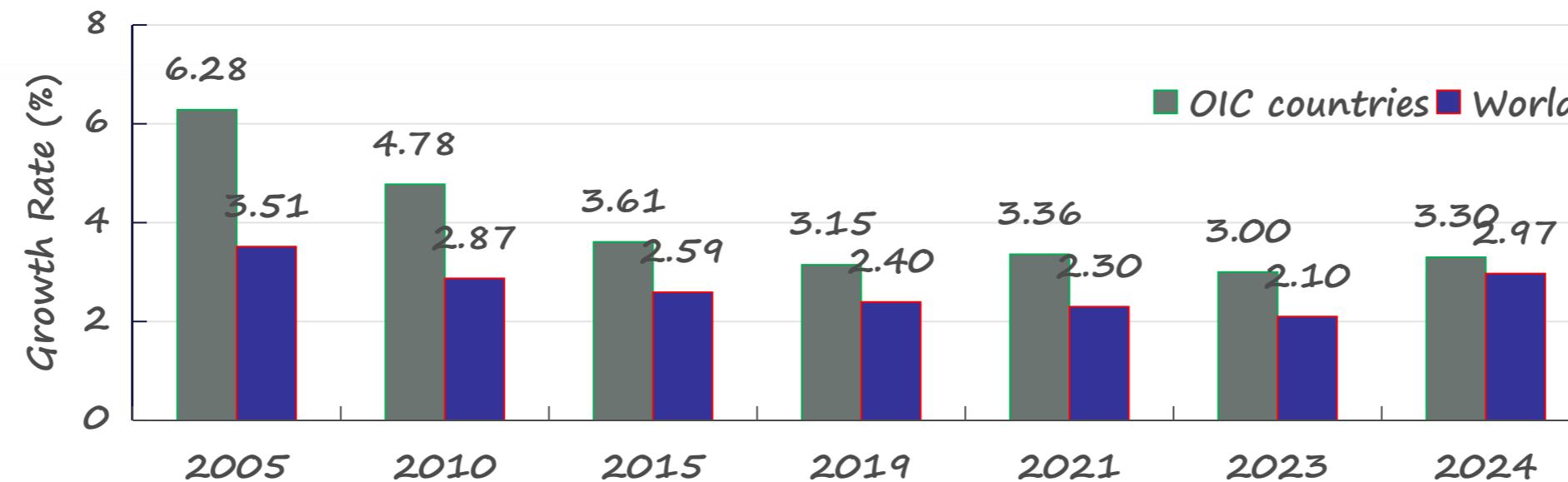
Source: Estimated from <https://data.worldbank.org/indicator/NVAGR.TOTL.CD?locations=TR>



1. Macro Agricultural Indicators / Sectorial Indicators

➤ Growth Rates

Change in Agricultural Growth the OIC Countries and World



Comparison of Changes in Agricultural and Overall Growth in OIC Sub-Regions

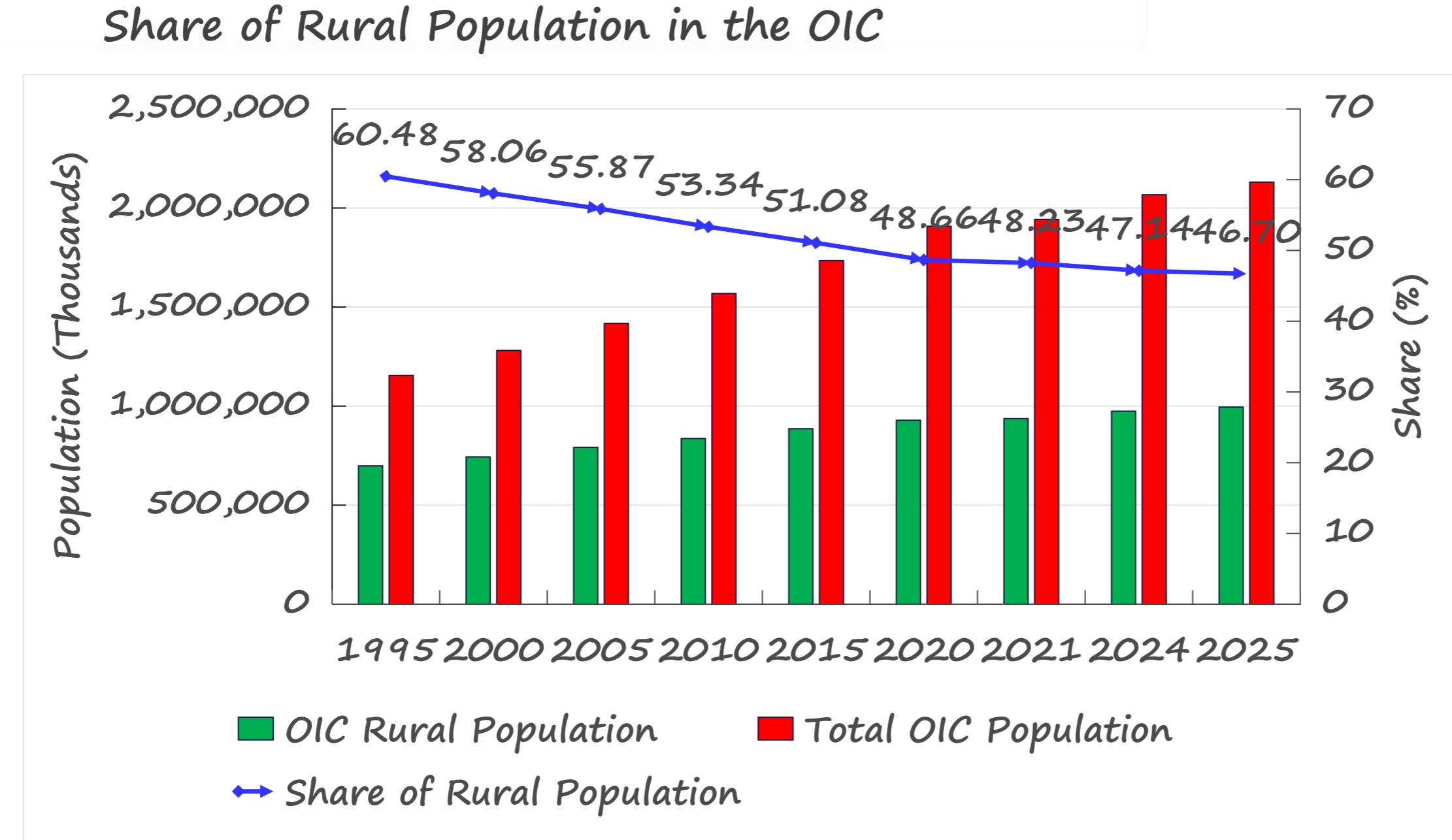
Period	African Group		Arab Group		Asian Group	
	Agricultural Growth	Economic Growth	Agricultural Growth	Economic Growth	Agricultural Growth	Economic Growth
(1995-2004)	4.30	4.47	4.28	4.65	3.31	4.56
(2005-2014)	3.91	4.83	3.36	4.94	3.22	5.41
(1995-2019)	4.12	4.59	3.73	4.54	2.81	3.18
2022-2023	3.20	4.00	3.00	4.60	2.80	4.00
2023-2024	-19.33	5.81	17.34	4.73	6.17	4.51

<https://data.worldbank.org/indicator/NV.AGR.TOTL.CD?locations=TR> <https://data.worldbank.org/indicator/NY.GDP.MKTP.KD>



1. Macro Agricultural Indicators / Sectorial Indicators

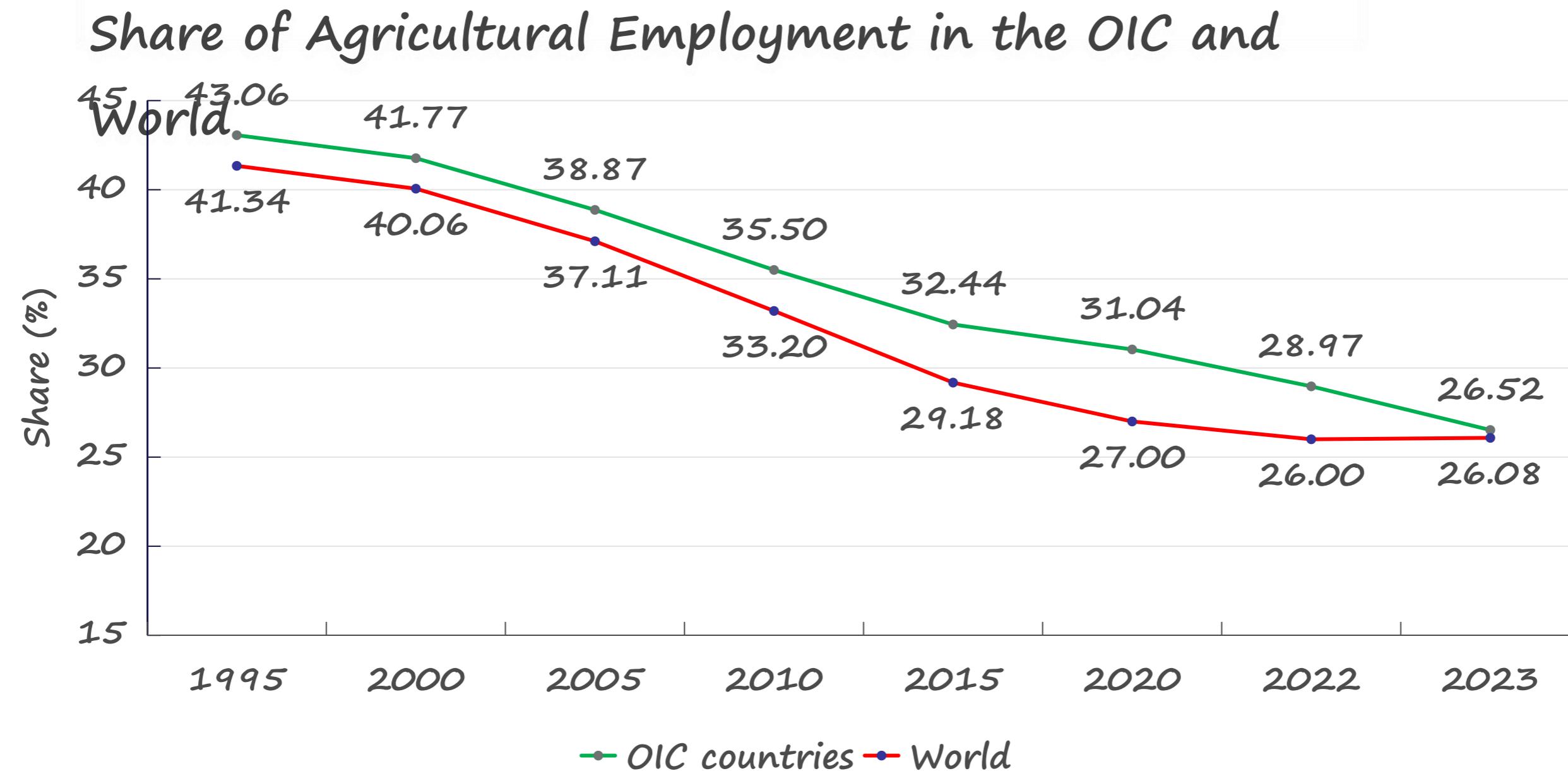
➤ Total and Rural Population



Source: Estimated from <https://databank.worldbank.org/source/world-development-indicators>

1. Macro Agricultural Indicators / Sectorial Indicators

➤ Agricultural Employment



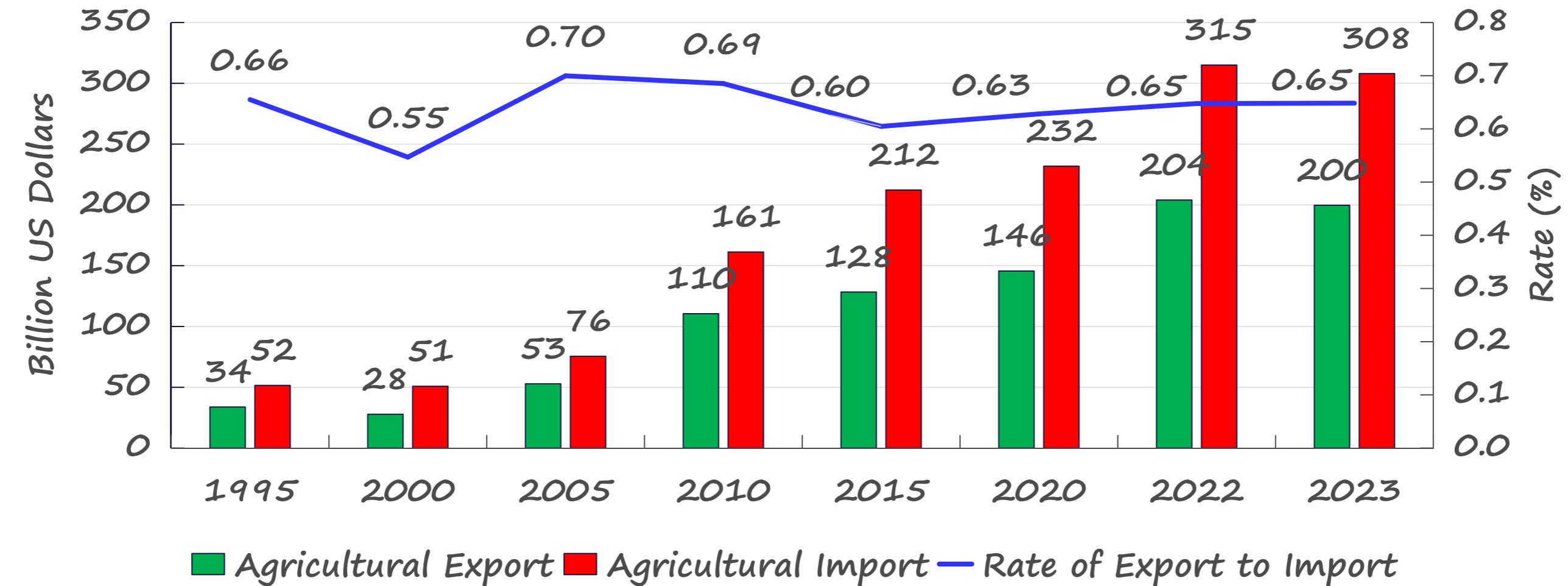
Source: Estimated from ILO (2025); <https://databank.worldbank.org/source/world-development-indicators/Type/TABLE/preview/on#>



1. Macro Agricultural Indicators / Sectorial Indicators

➤ International Trade

Agricultural Exports and Import Values of the OIC Members



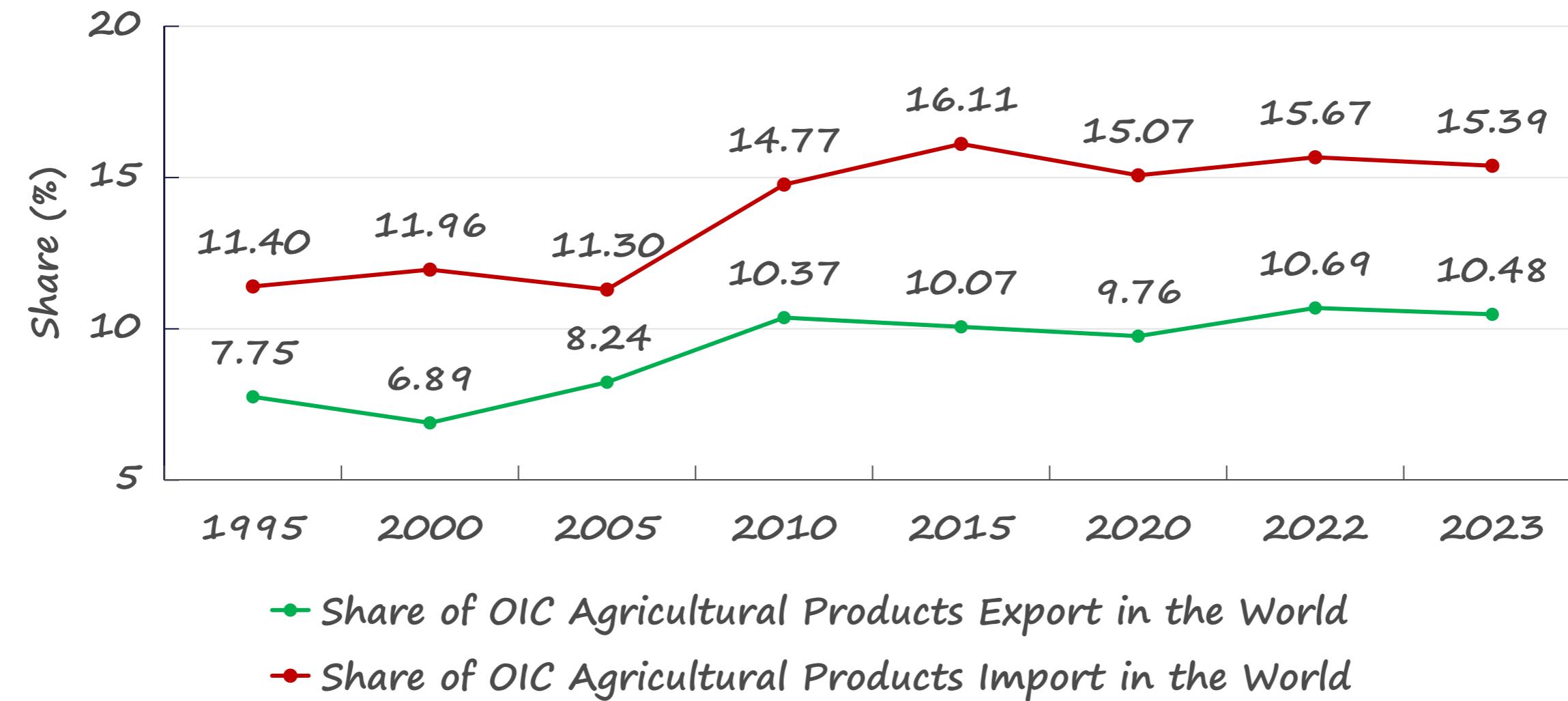
Source: Estimated from <https://www.fao.org/faostat/en/#data/TCL>



1. Macro Agricultural Indicators / Sectorial Indicators

➤ International Trade

OIC Agricultural Trade Performance of OIC Member Countries in the World



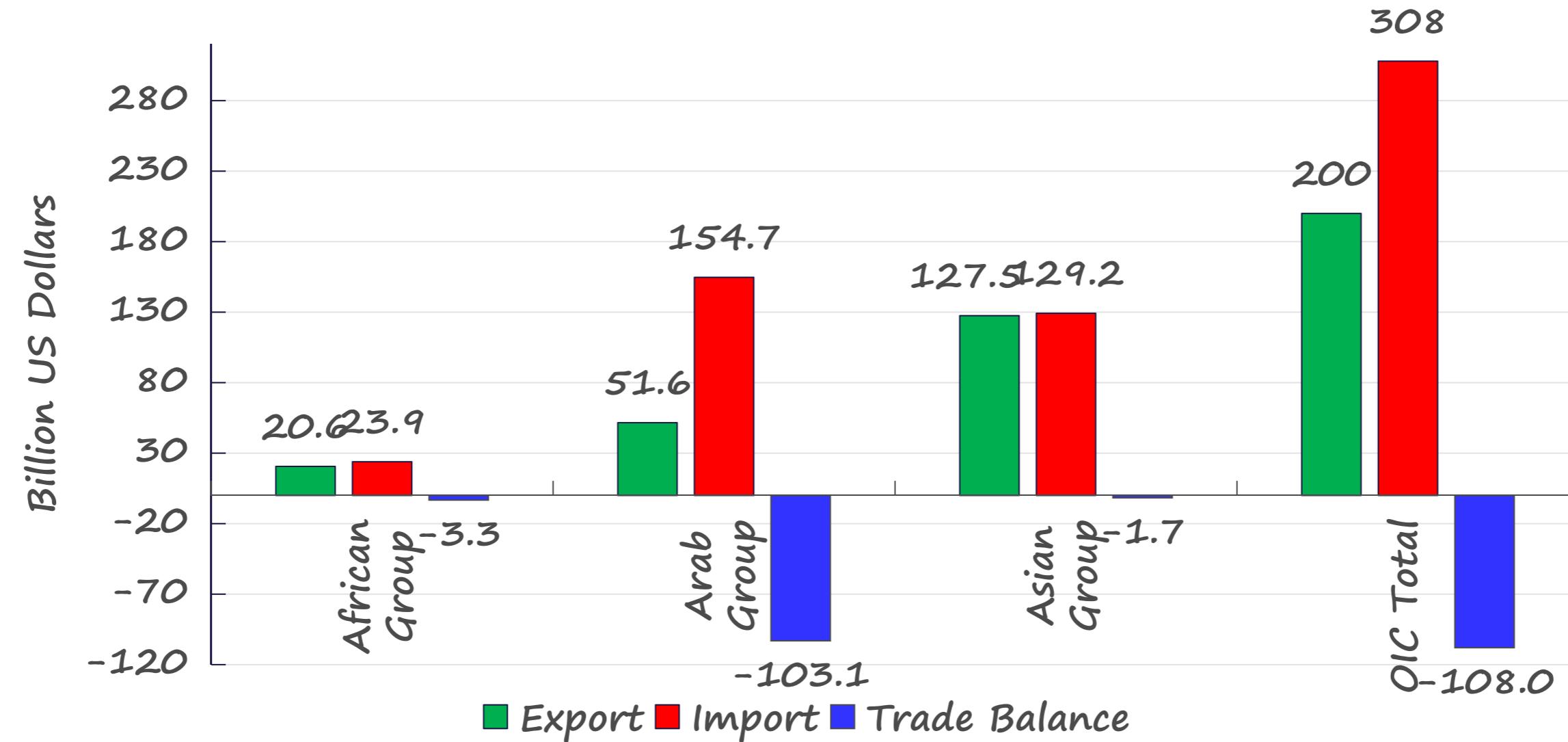
Source: Estimated from <https://www.fao.org/faostat/en/#data/TCL>



1. Macro Agricultural Indicators / Sectorial Indicators

➤ International Trade

Agricultural Products Trade Balance in the OIC by Sub-Regions, 2023



Source: Estimated from <https://www.fao.org/faostat/en/#data/TCL>

1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resorce Use (Land)

Land Use in the OIC and its Share in the World (2023)

	Land Area	Agricultural Land	Arable land	Permanent Crops	Permanent Meadows and Pastures
OIC (million ha)	3.137	1417	318	77	1.022
Share in Total Agr. Area (%)	-	100.0	22,44	45,43	72,12
World (million ha)	13.016	4799	1.380	191	3.229
Share of OIC in the World (%)	24.10	29.53	23.04	40.27	31.65

Source: Estimated from <https://www.fao.org/faostat/en/#data/RL>

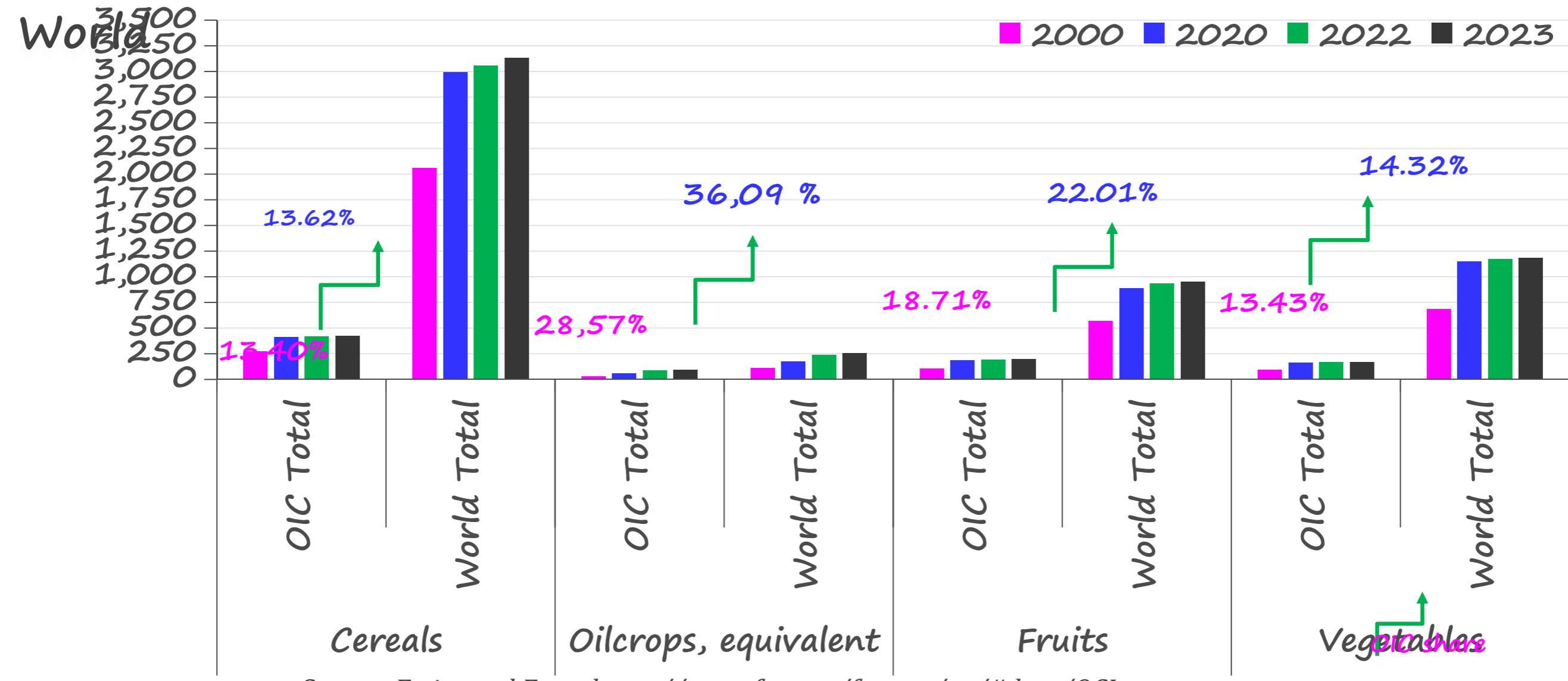
The Shares of Land Use in OIC Sub-Regions (2023)

OIC Sub-region (%)	Land Area	Agricultural Land	Arable land	Permanent Crops	Permanent Meadows and Pastures
African Group	24,48	25,48	37,20	32,65	21,30
Arab Group	41,75	36,90	18,59	11,84	44,49
Asian Group	33,77	37,62	44,22	55,51	34,22
OIC Total	100,00	100,00	100,00	100,00	100,00

1. Macro Agricultural Indicators / Sectorial Indicators

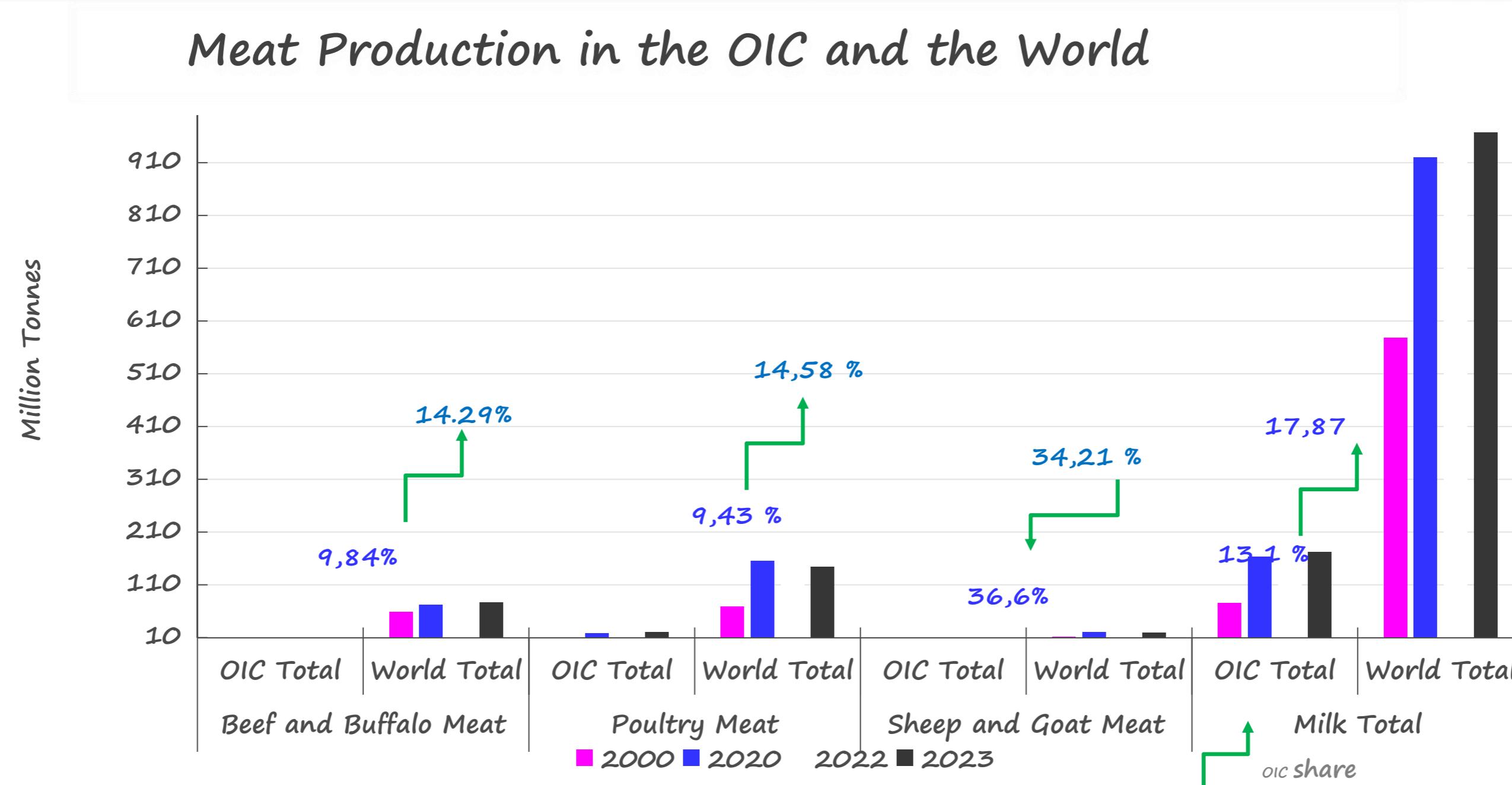
➤ Crop Production

Crop Productions in the OIC and Shares in the



1. Macro Agricultural Indicators / Sectorial Indicators

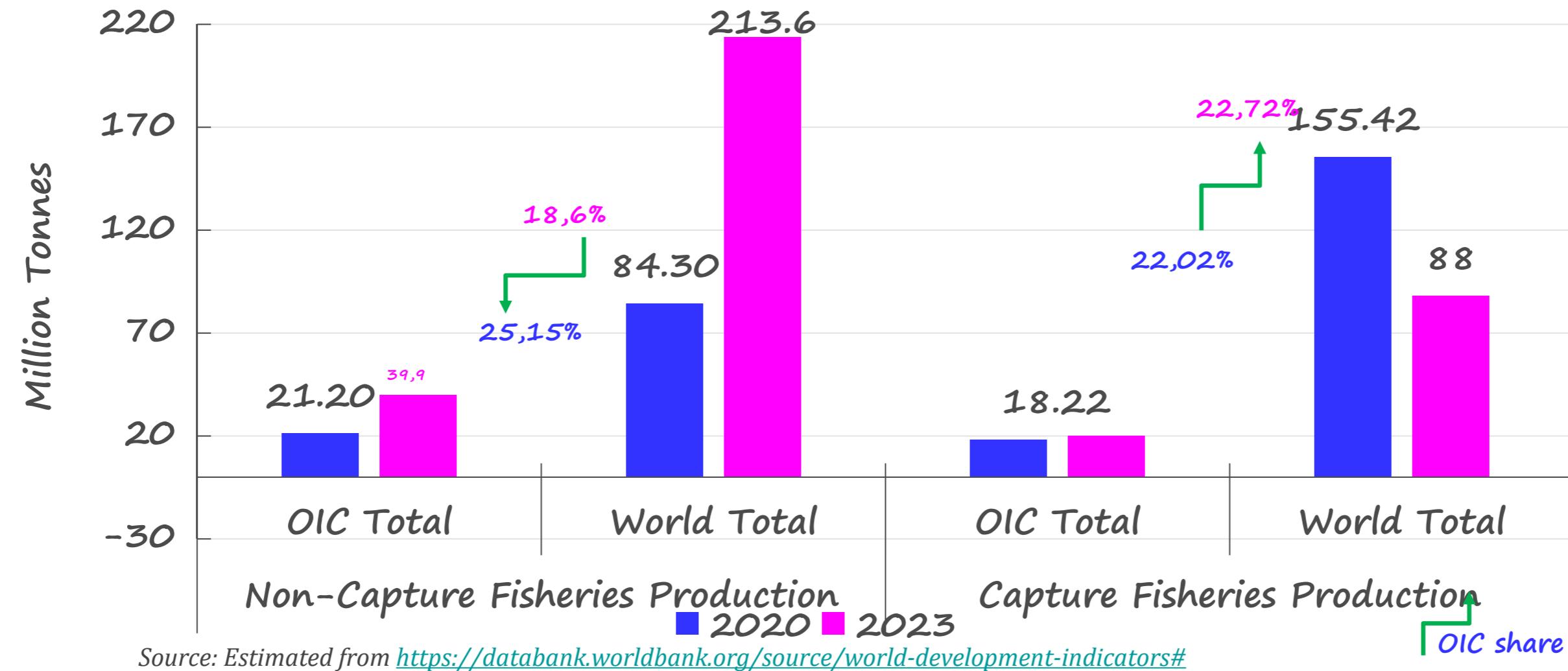
➤ Livestock Production



1. Macro Agricultural Indicators / Sectorial Indicators

➤ Fishery Production

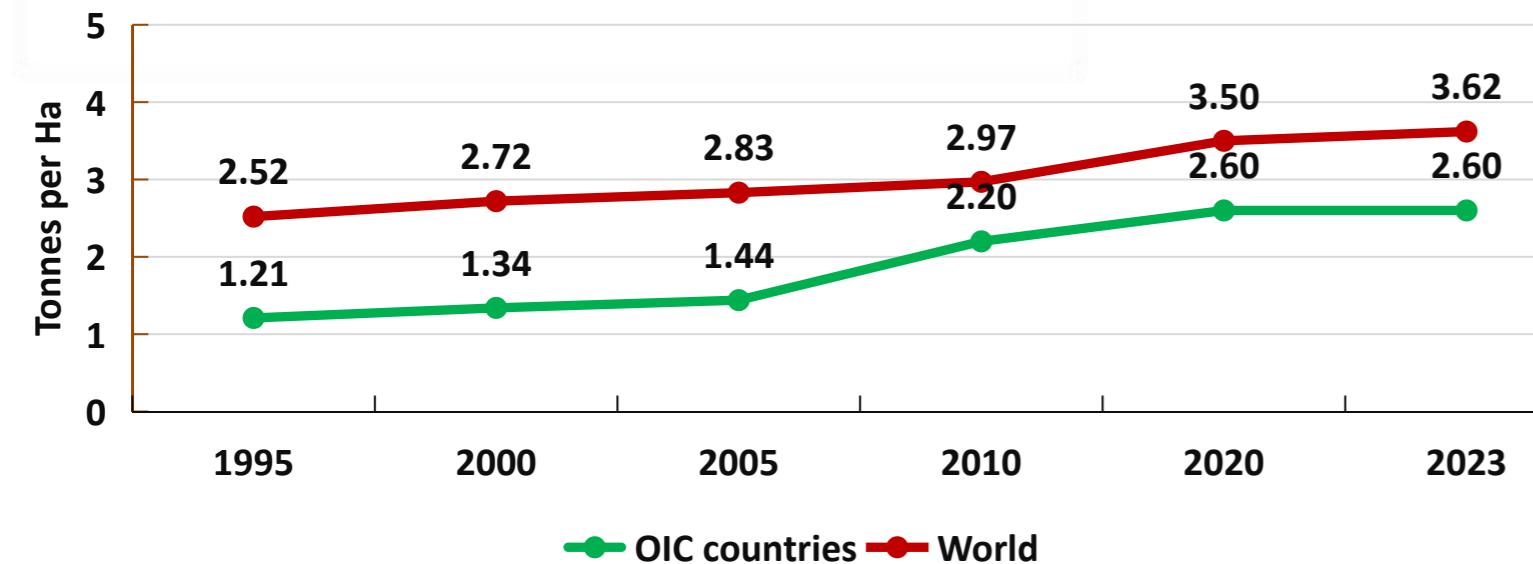
Fish Production in the OIC and the World



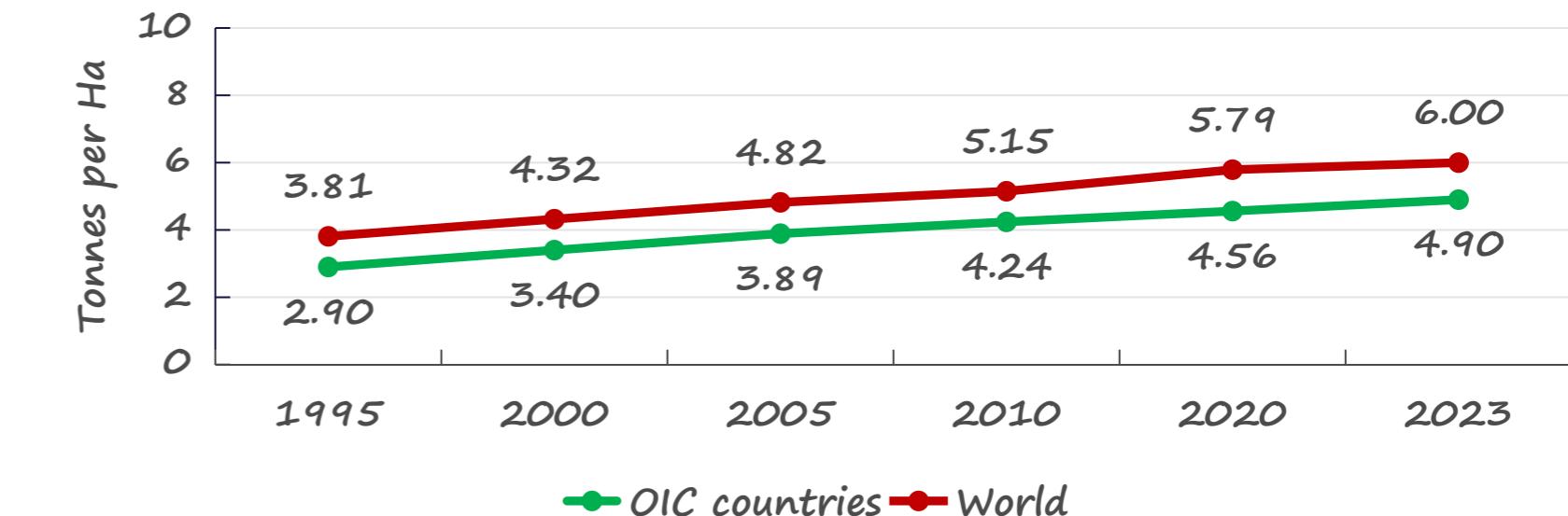
1. Macro Agricultural Indicators / Sectorial Indicators

➤ Agricultural Productivity-Many Crops

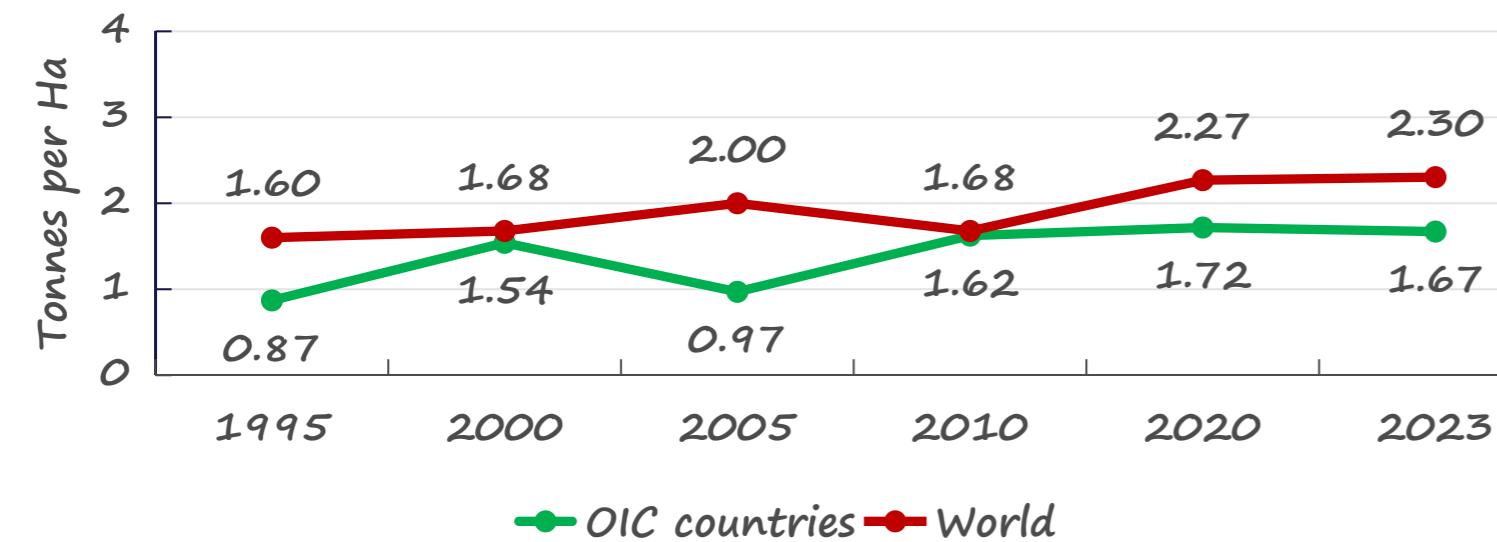
Wheat Yield in the OIC and the World



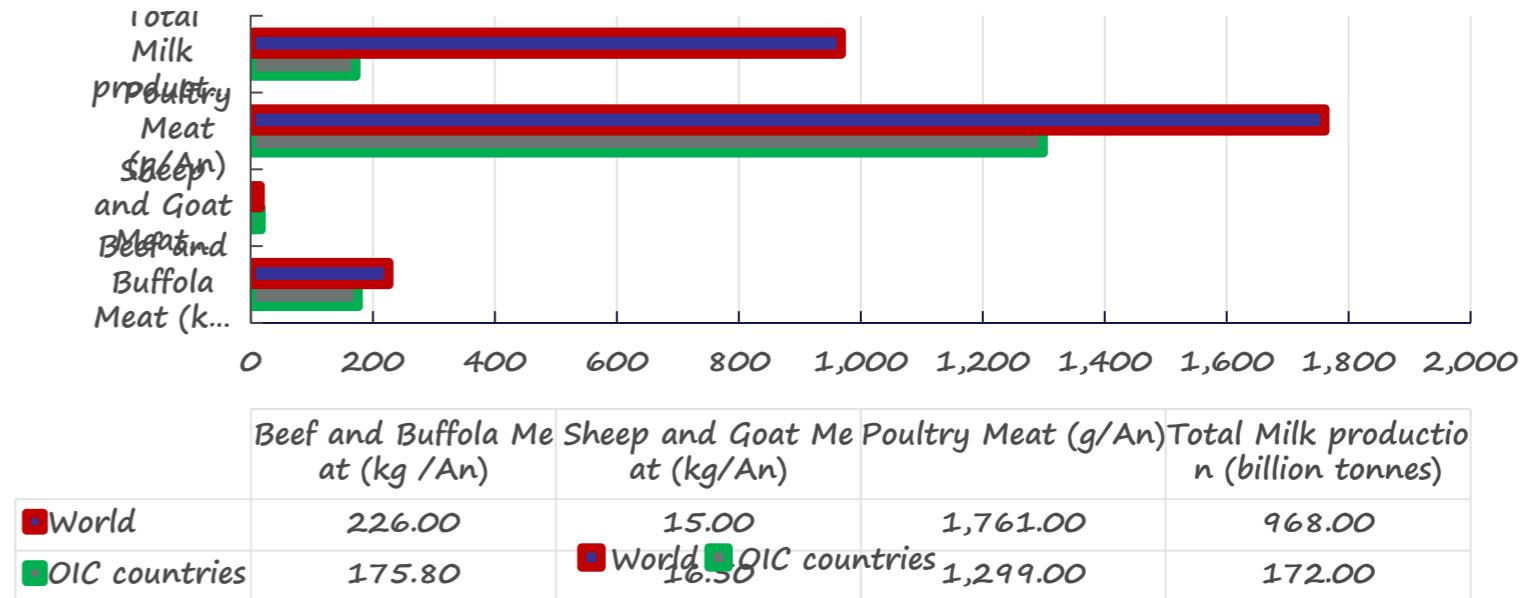
Maize Yield in the OIC and the World



Cotton seed Yield in the OIC and the World



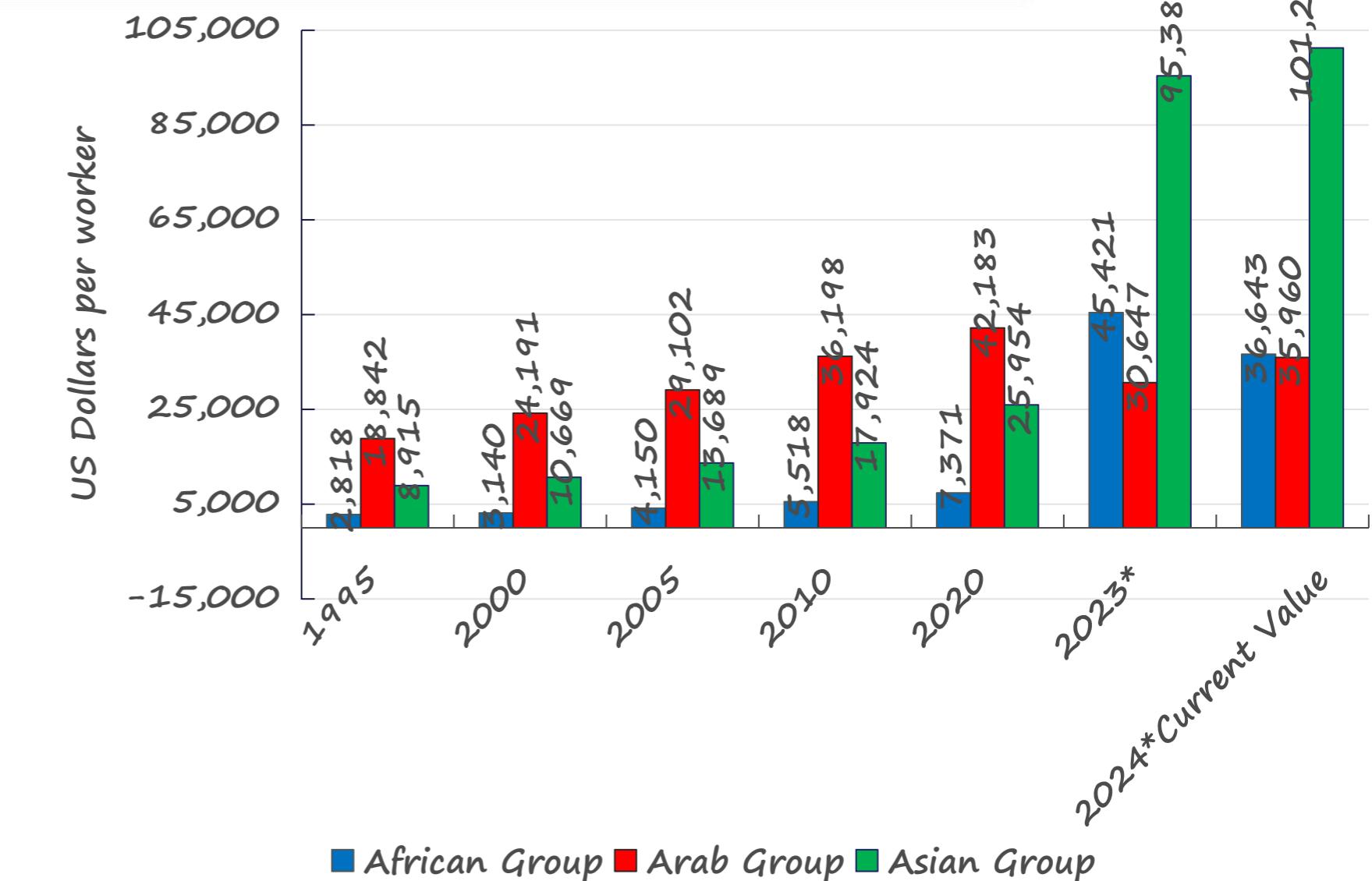
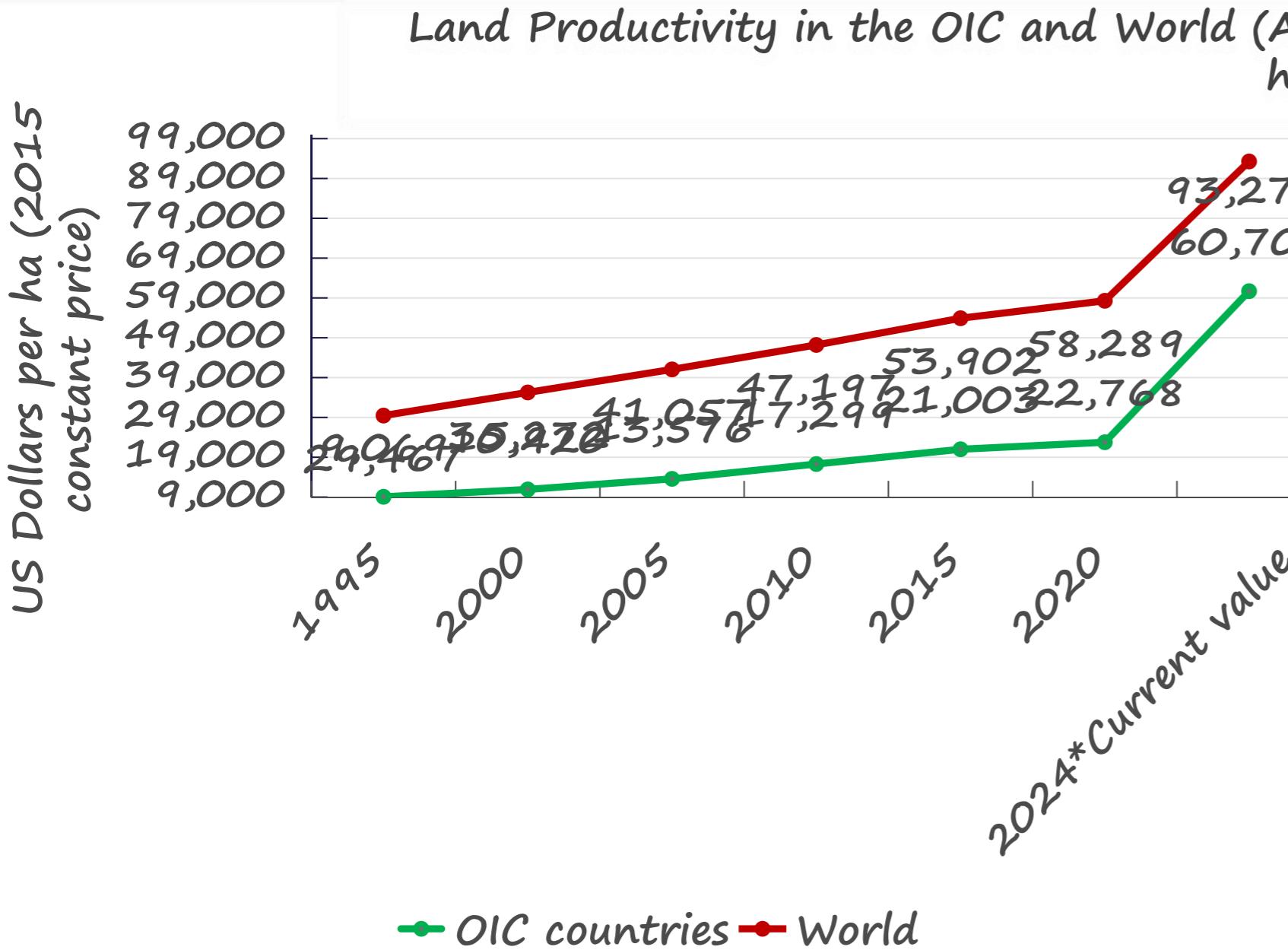
Meat and Milk Yield in the OIC and the World (2023)



Source: <https://www.fao.org/faostat/en/#data/QCL>

1. Macro Agricultural Indicators / Sectorial Indicators

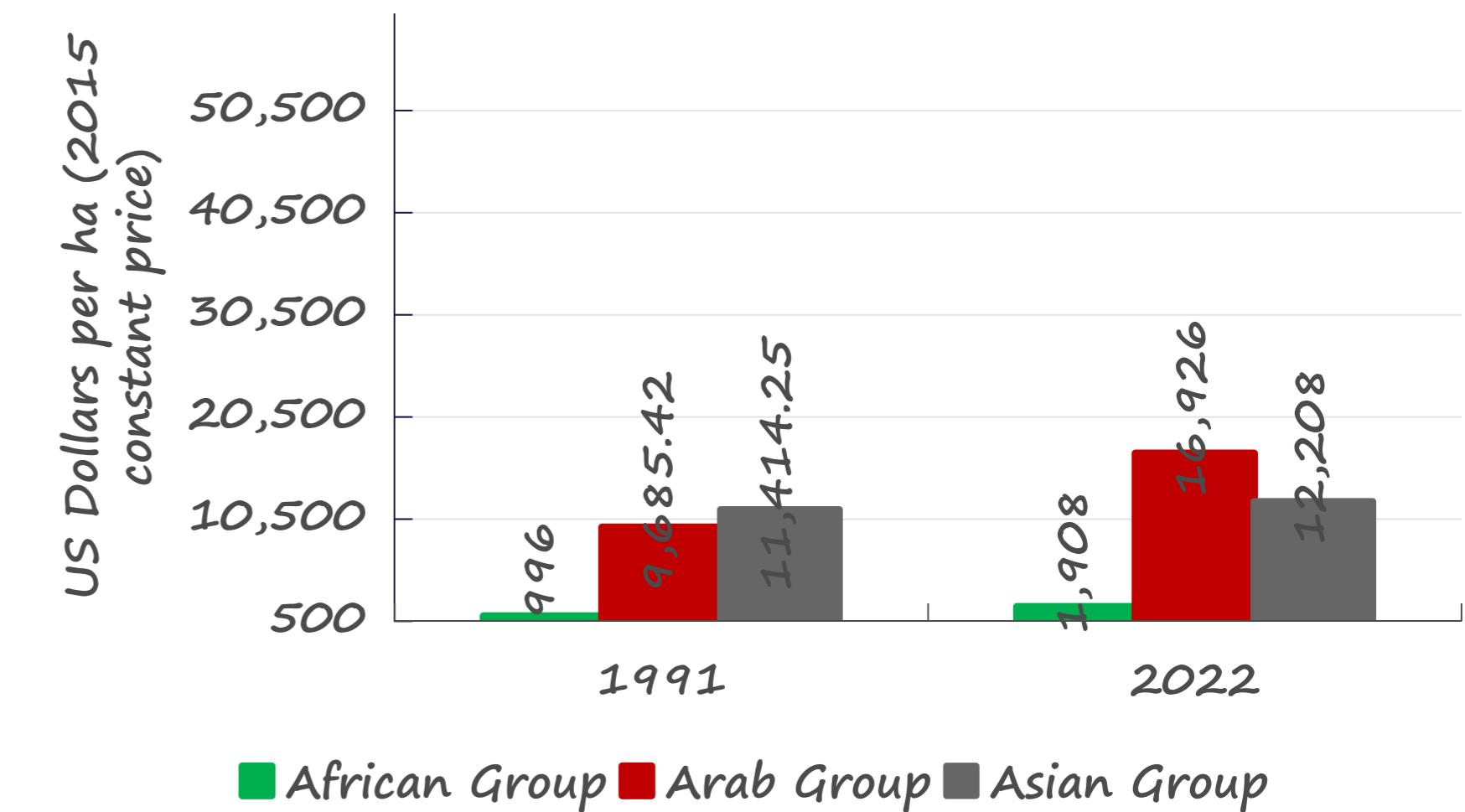
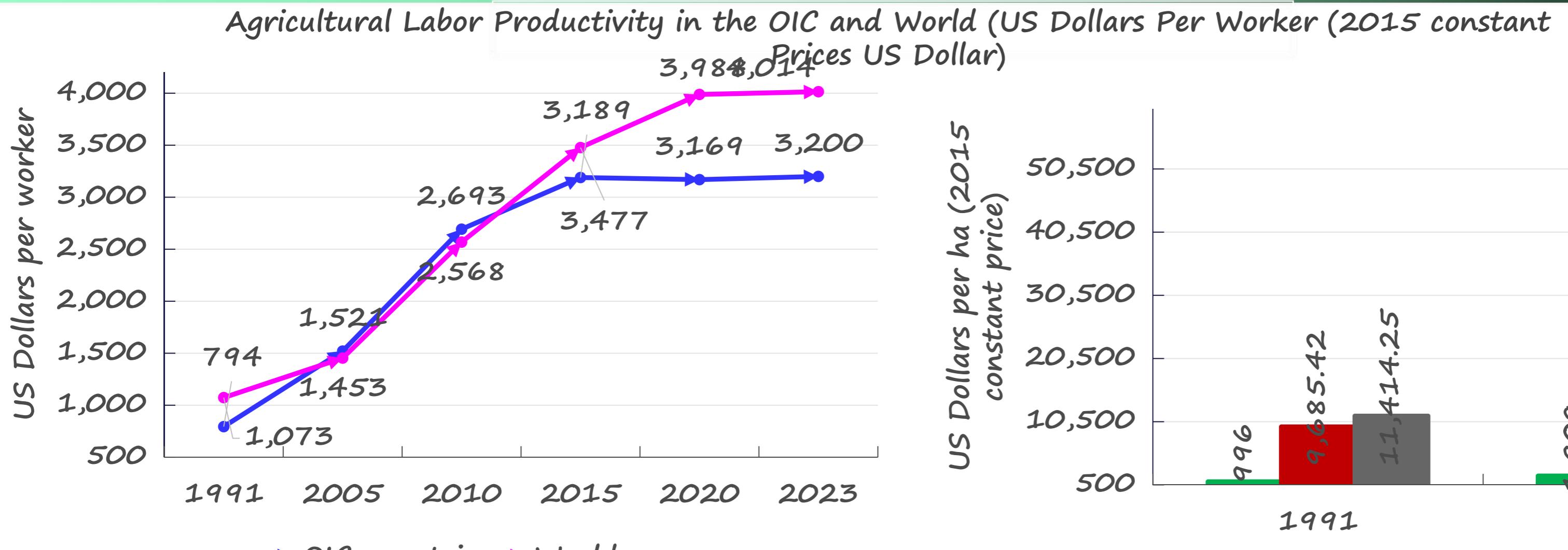
➤ Agricultural Productivity-Land



Source: <https://www.fao.org/faostat/en/#data/QCL>

1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resource Use-Labor Productivity



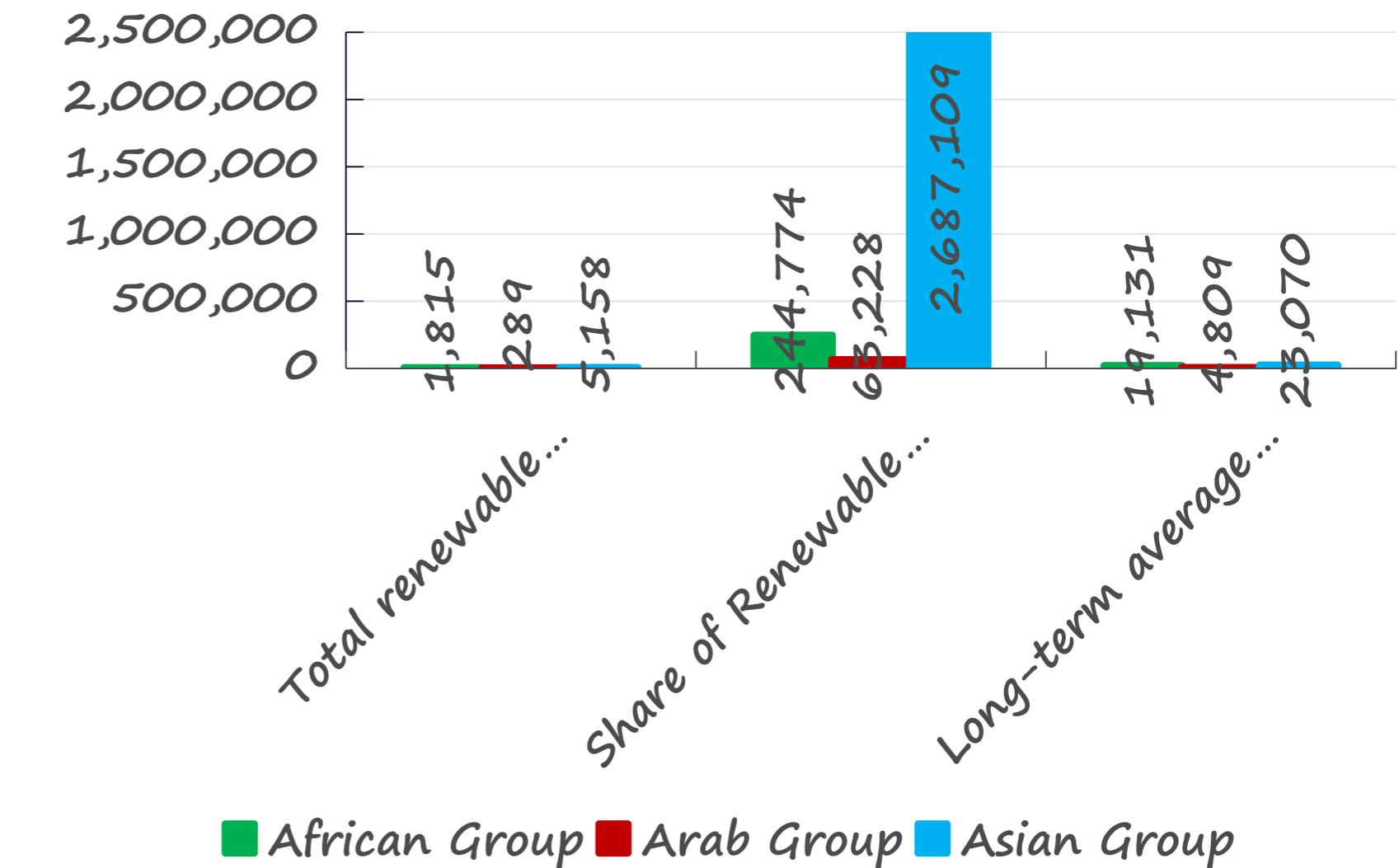
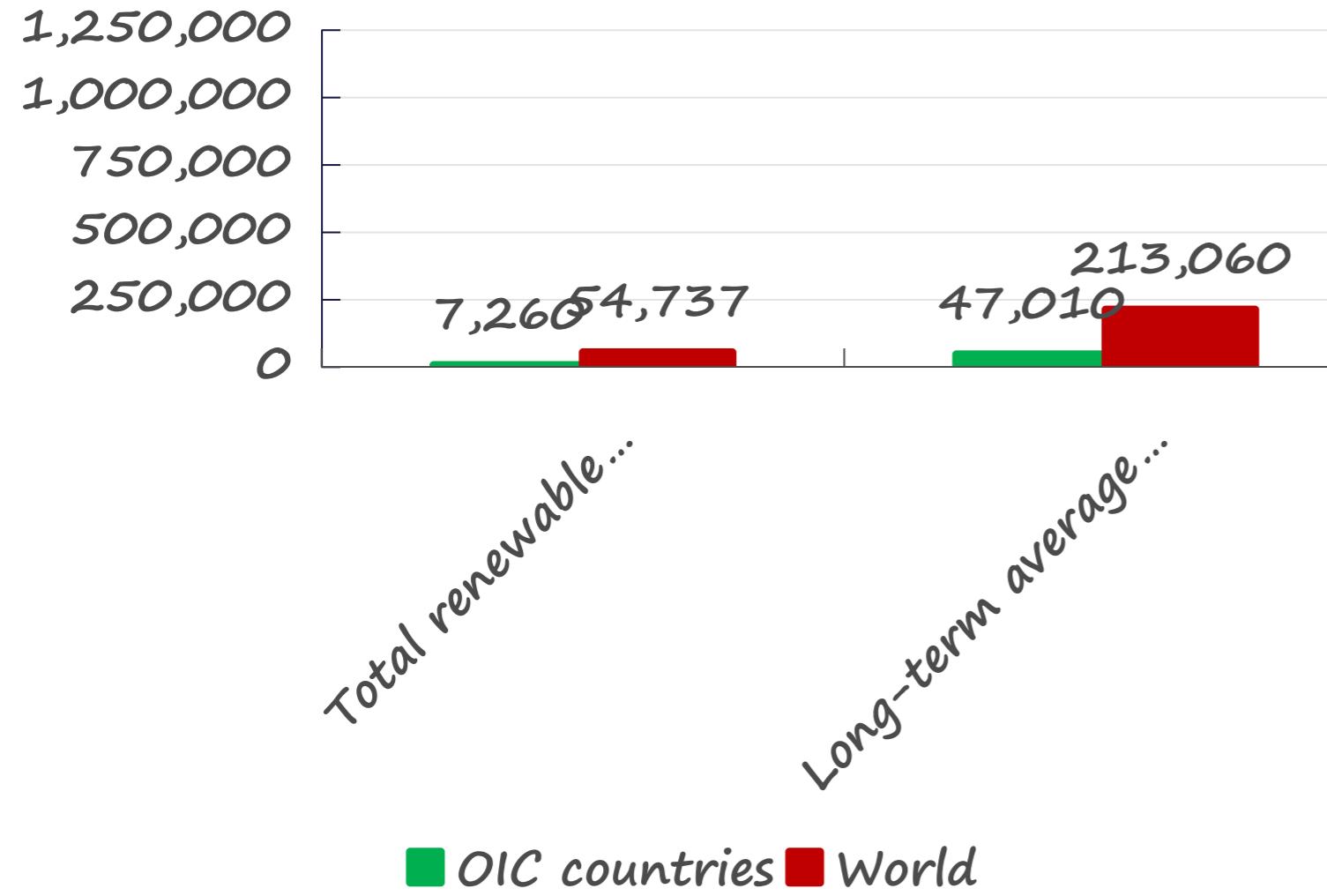
Source: World Development Indicator
<https://ourworldindata.org/grapher/agriculture-value-added-per-worker-wdi>



1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resource Use-Water

Renewable Water Potential in the OIC and OIC by Sub-Regions



Source: <https://data.apps.fao.org/aquastat/?lang=en&share=f-f8046cee-bff4-450a-9ce3-f5ee40bf5ffd>

1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resource Use-Water resources by top countries

Renewable Water-Rich OIC Member Countries (2022)

Renewable Water-Rich Country (Top 10)	Renewable Water Resources Per Hectare (m³/ha)
1 Indonesia	2.018,70
2 Bangladesh	1.227,03
3 Malaysia	580,00
4 Guyana	271,00
5 Cameroon	283,15
6 Nigeria	286,20
7 Pakistan	246,00
8 Guinea	226,00
9 Mozambique	217,00
10 Türkiye	211,60

Renewable Water-Poor OIC Member Countries (2022)

Renewable Water-poor Country (Top 10)	Renewable Water Resources Per Hectare (m³/ha)
1 Kuwait	0,02
2 Maldives	0,03
3 Qatar	0,06
4 United Arab Emirates	0,15
5 Bahrain	0,12
6 Djibouti	0,30
7 Libya	0,70
8 Palestine	0,84
9 Jordan	0,94
10 Comoros	1,20

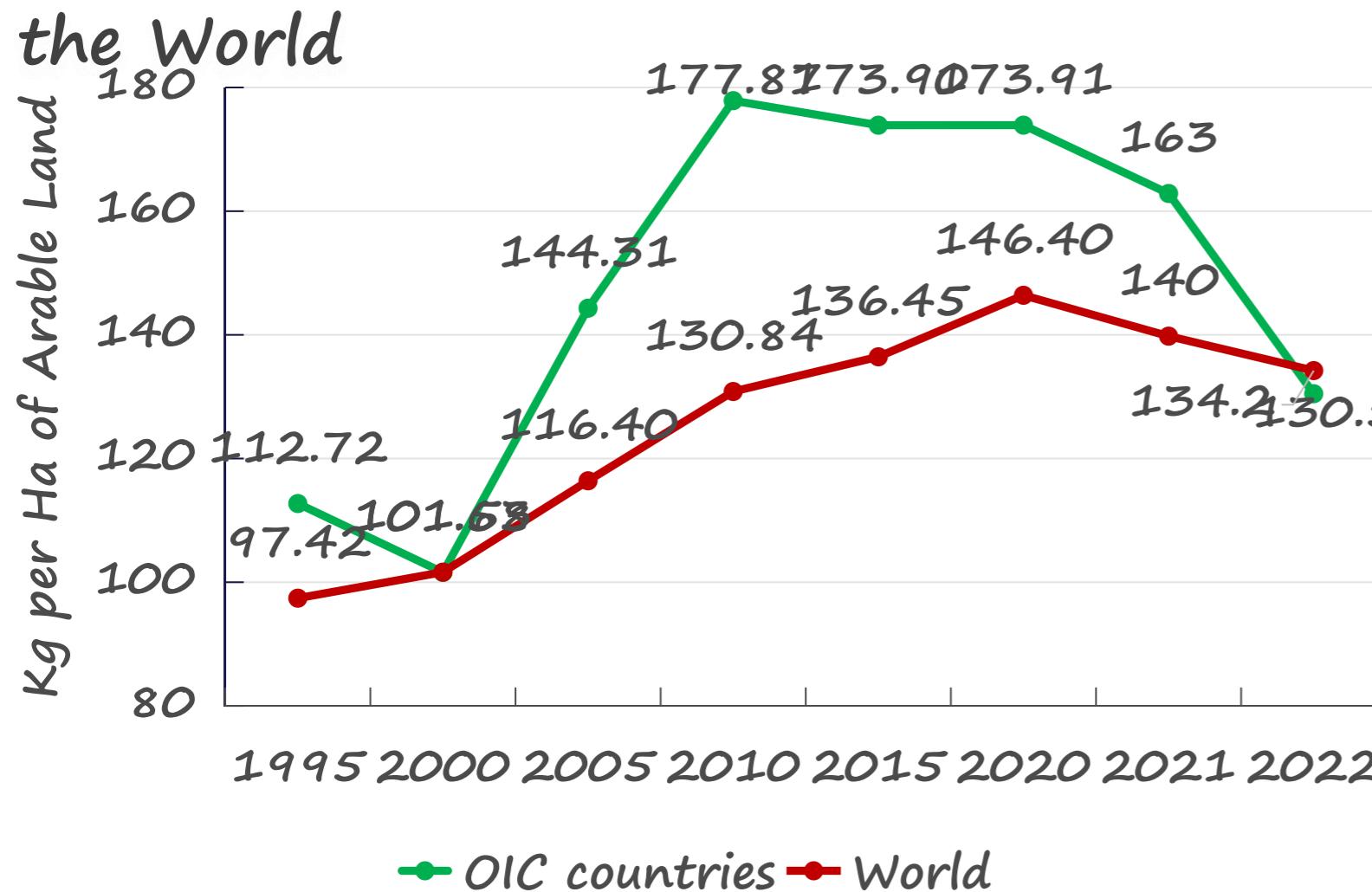
Source: <https://data.apps.fao.org/aquastat/?lang=en&share=f-f8046cee-bff4-450a-9ce3-f5ee40bf5ffd>



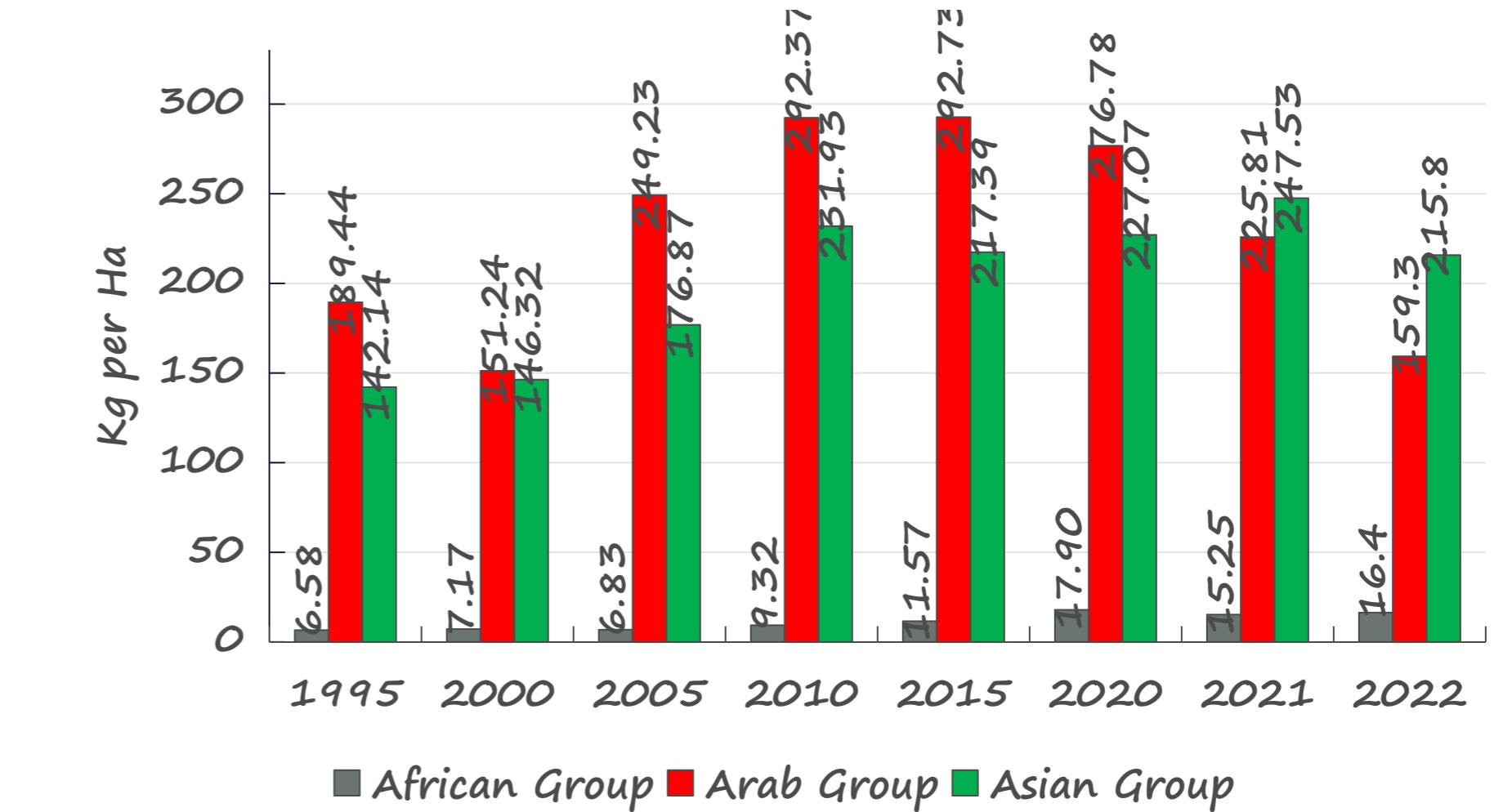
1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resource Use-Fertilizer

Fertilizer Consumption in the OIC and the World



Fertilizer Consumption in the OIC by sub-Region

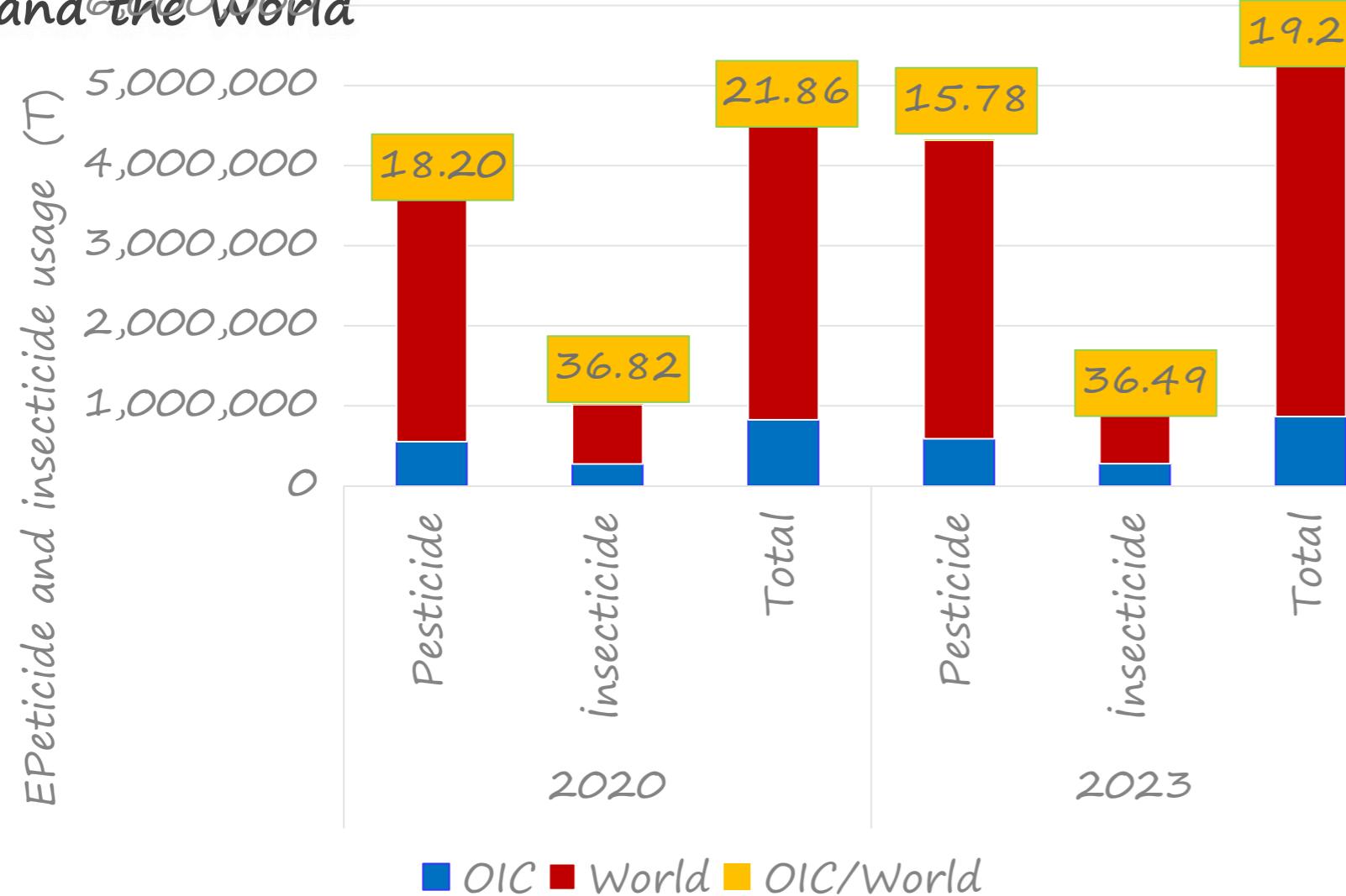


Source: <https://databank.worldbank.org/source/world-development-indicators#>

1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resource Use-Pesticide and Insecticide

Pesticide and Insecticide Consumption in the OIC
and the World



Pesticide and Insecticide Consumption in the OIC by sub-Regions

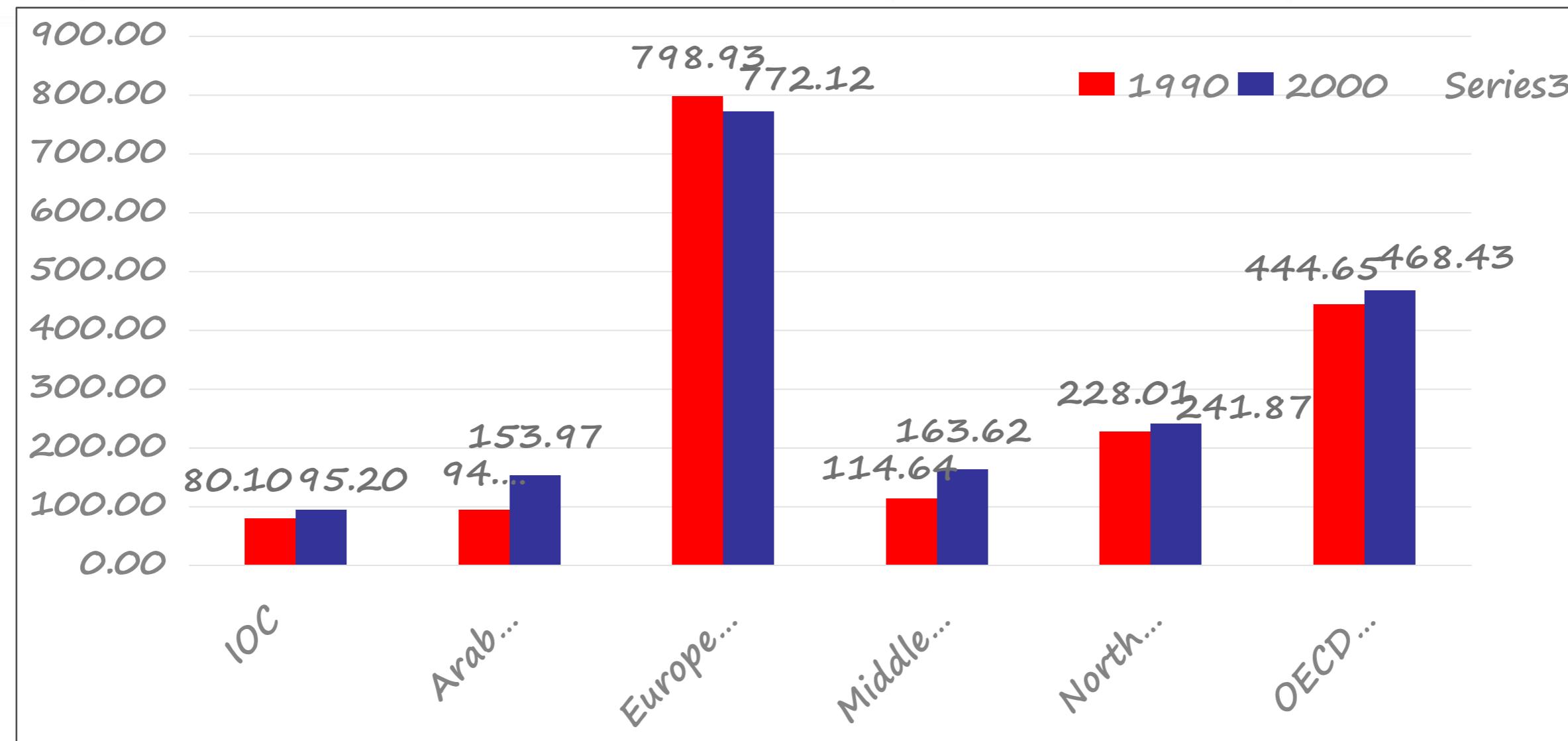
Sub Region	2020			2023			Total Change 2020-2023 (%)
	Pesticide	Insecticide	Total	Pesticide	Insecticid e	Total	
African Group	39.798	12.729	52.527	86.032	26.183	112.215	214
Arab Group	51.453	22.789	74.242	55.715	19.497	75.212	101
Asian Group	460.886	237.567	698.453	446.492	231.411	677.903	97

Source: <https://www.fao.org/faostat/en/#data/QCL>

1. Macro Agricultural Indicators / Sectorial Indicators

➤ Resource Use-Agricultural Mechnary

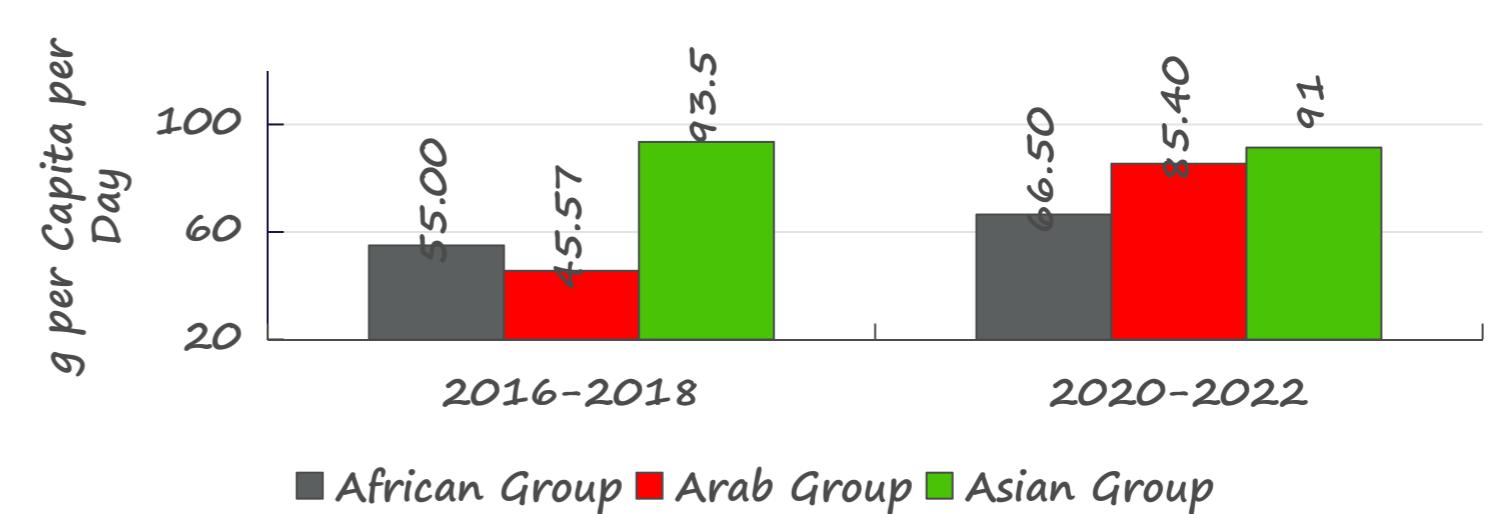
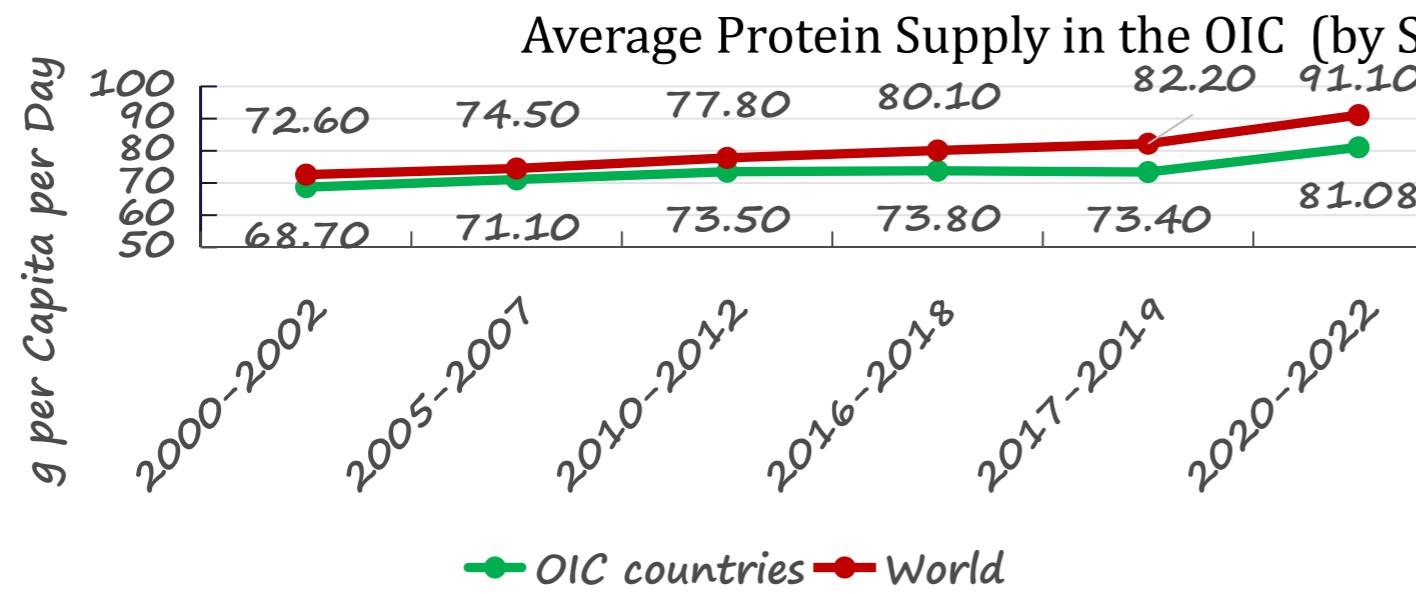
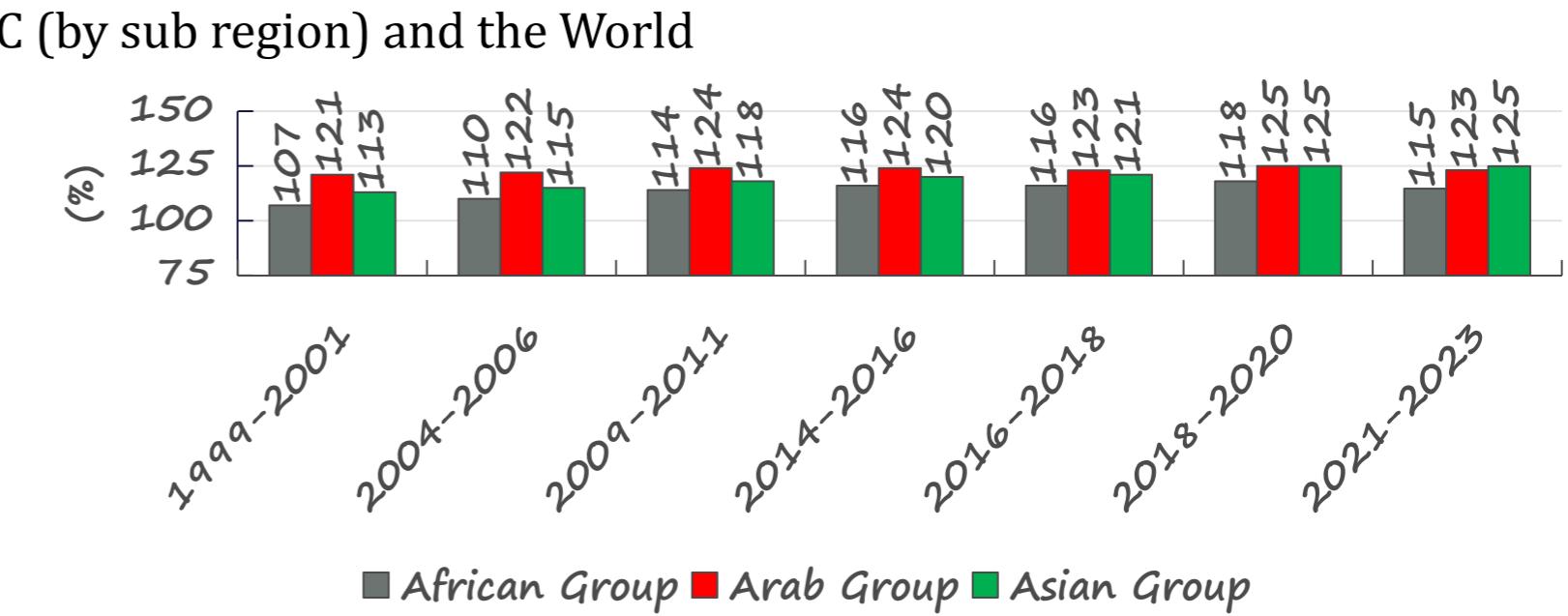
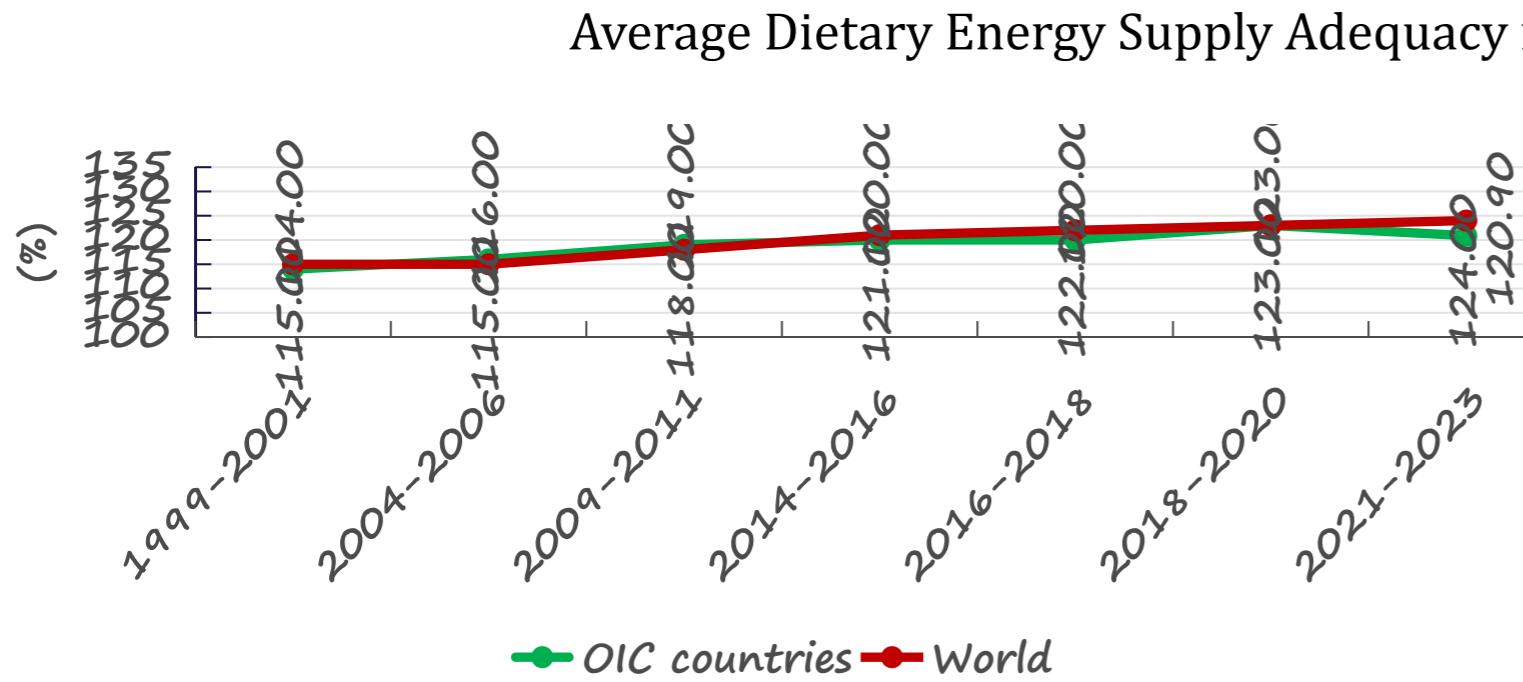
The use of Agricultural machinery in OIC and Other Group Countries (Tractors per 100 sq. km of arable land)



Sources: <https://databank.worldbank.org/source/world-development-indicators/Series/AG.LND.TRAC.ZS#>

2. The State of Food security

➤ Availability

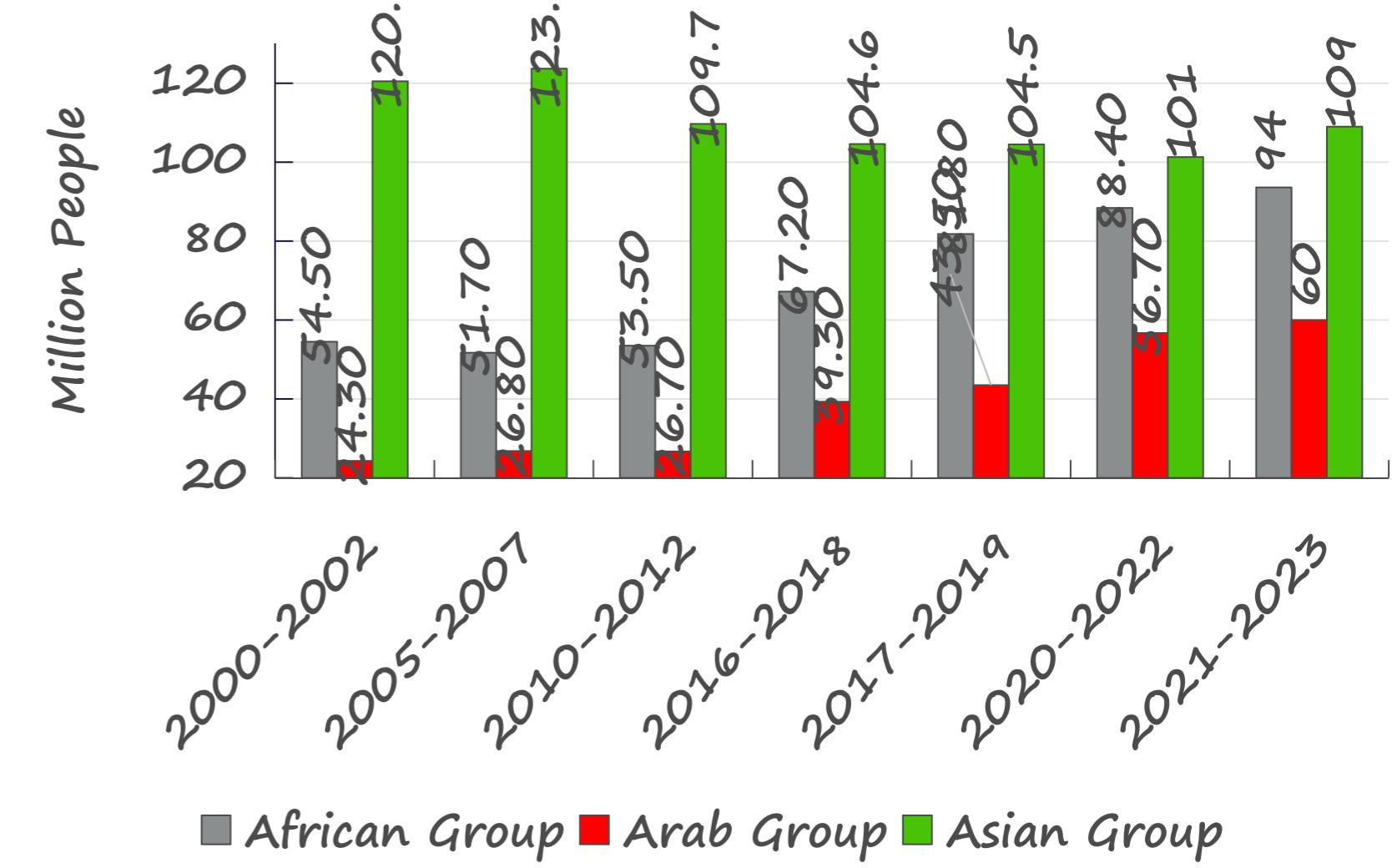
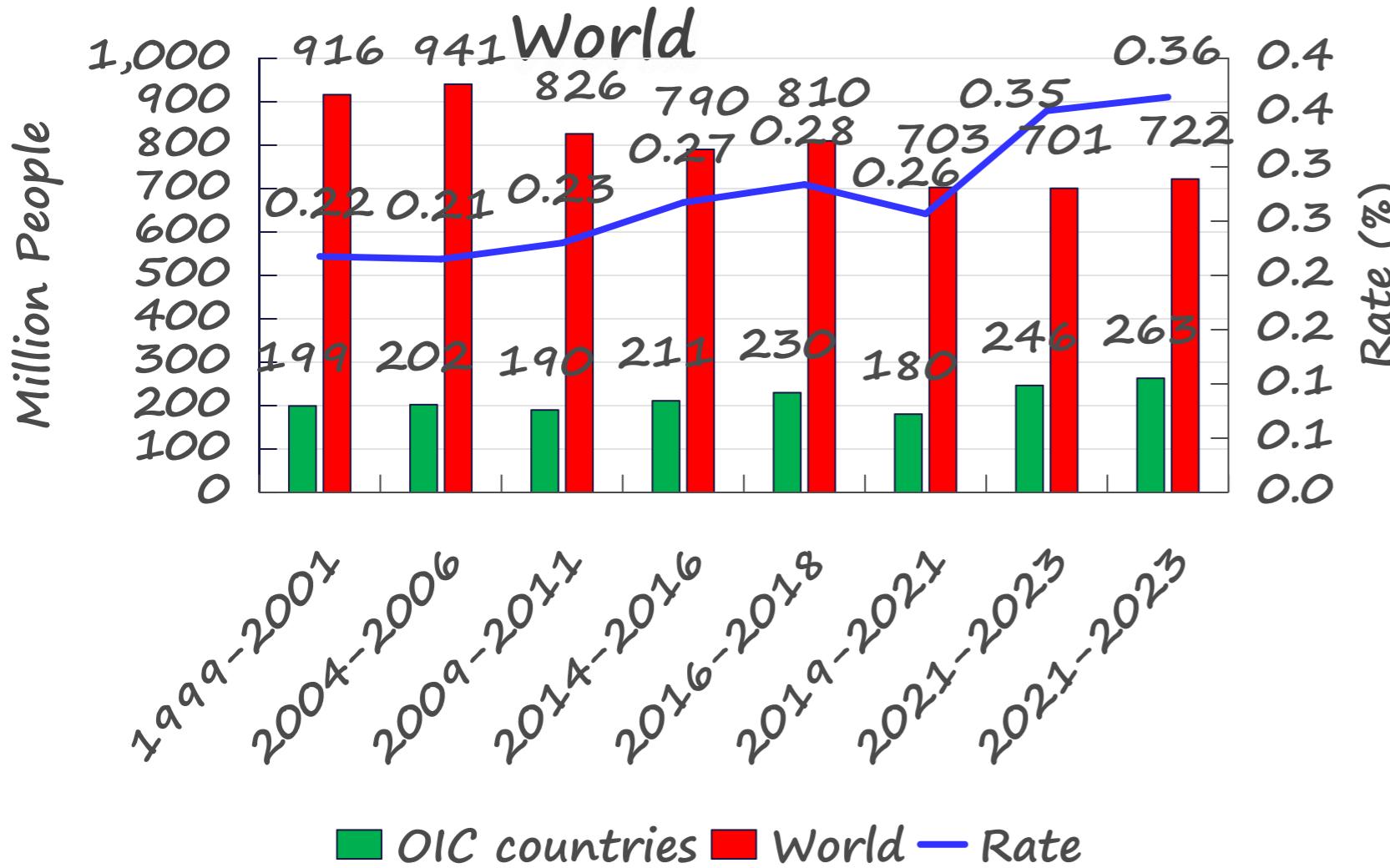


Source: <https://www.fao.org/faostat/en/#data/FS>

2. The State of Food security

➤ Undernourished people

Undernourished People in the OIC (by Sun region) and the

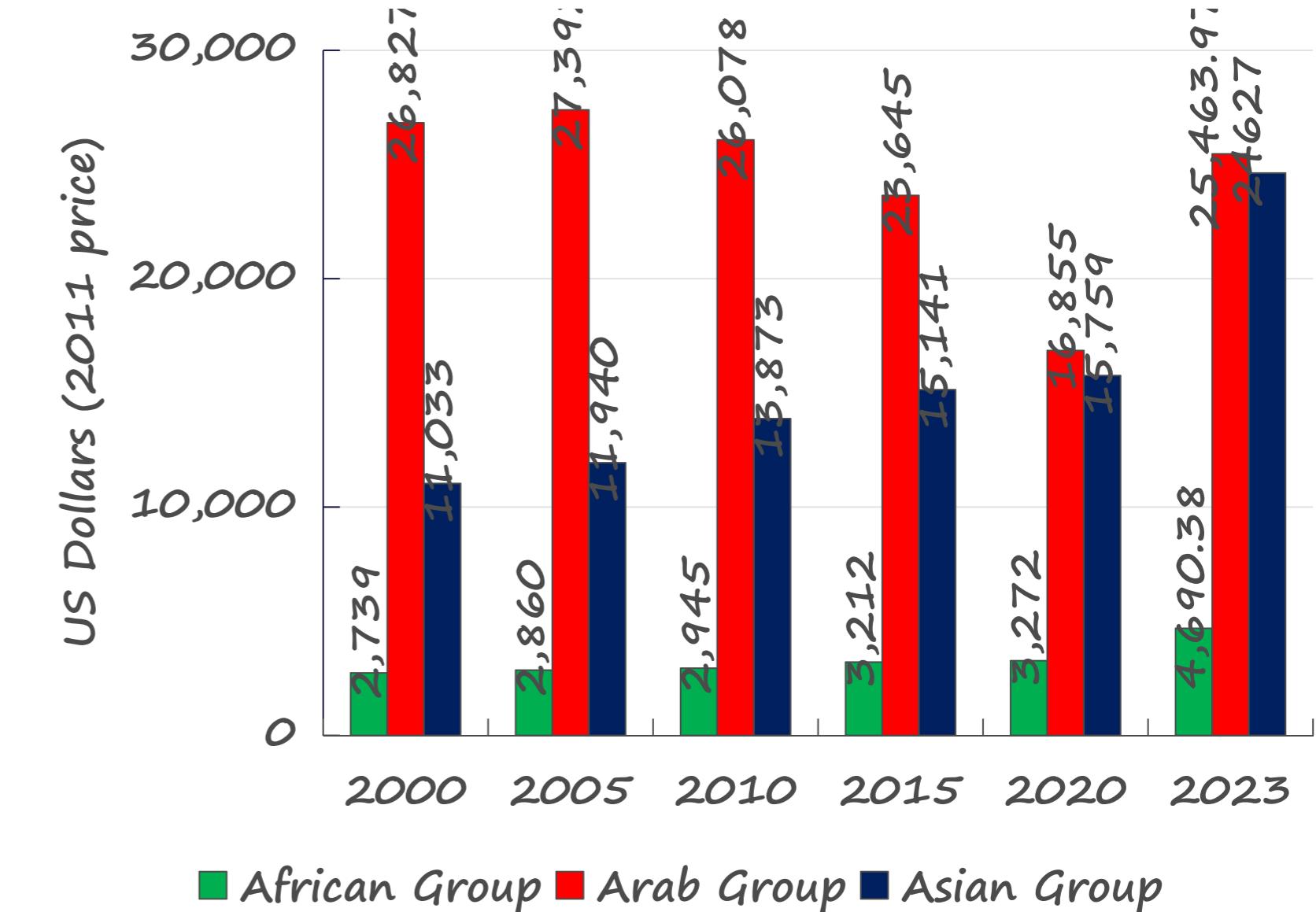
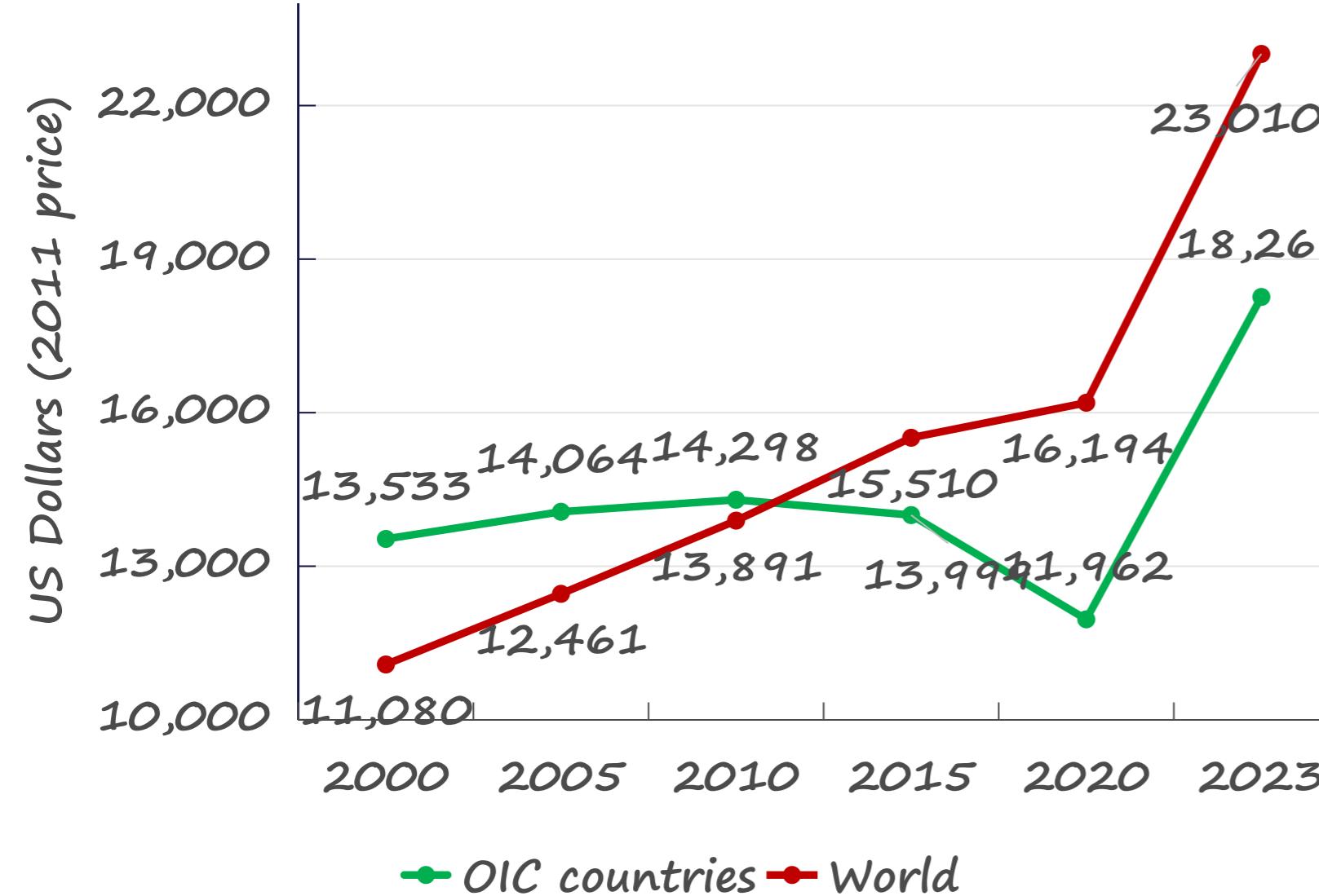


Sources: <https://www.fao.org/faostat/en/#data/FS>

2. The State of Food security

➤ Access

GDP Per Capita in the OIC (by sub region) and World

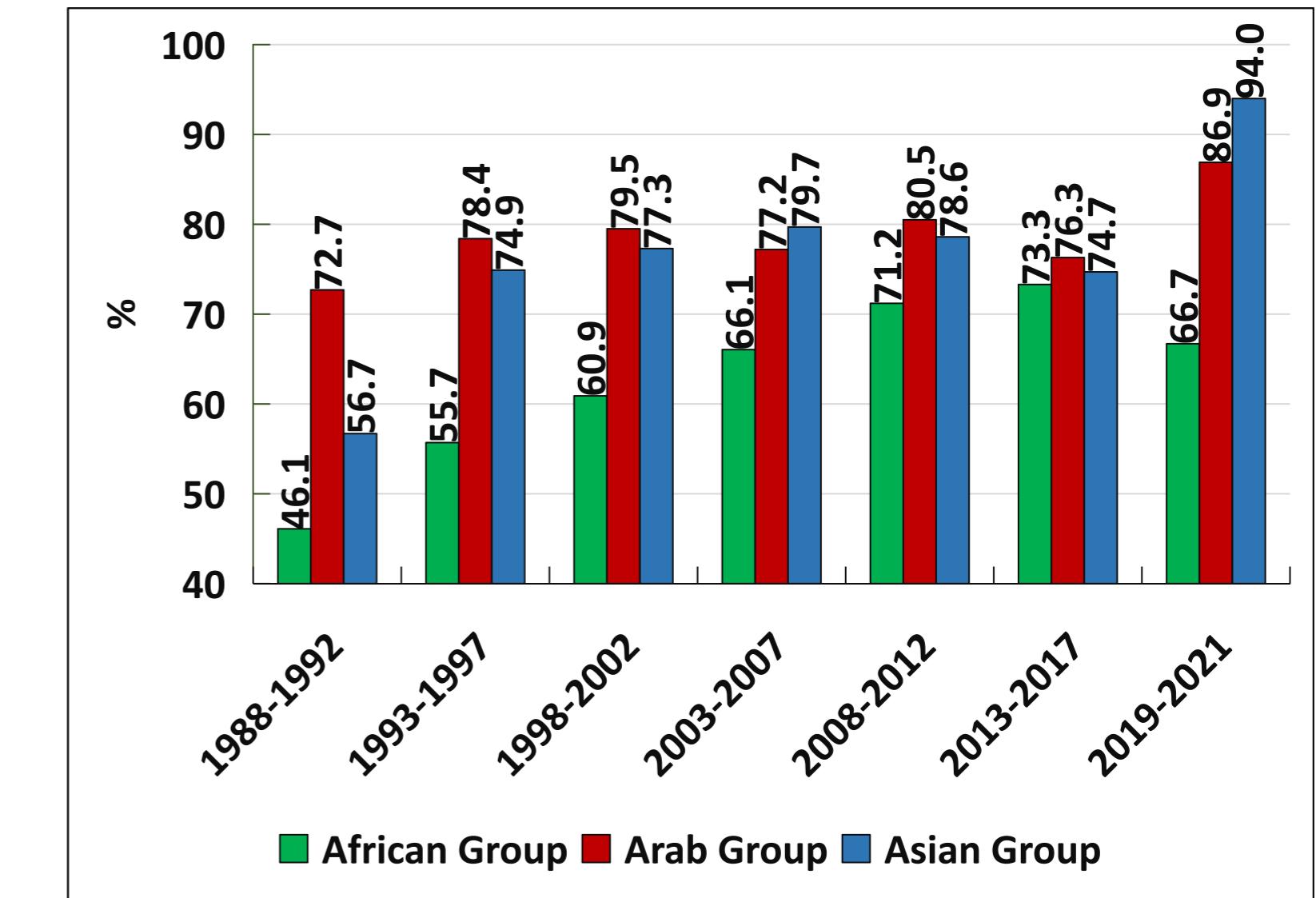
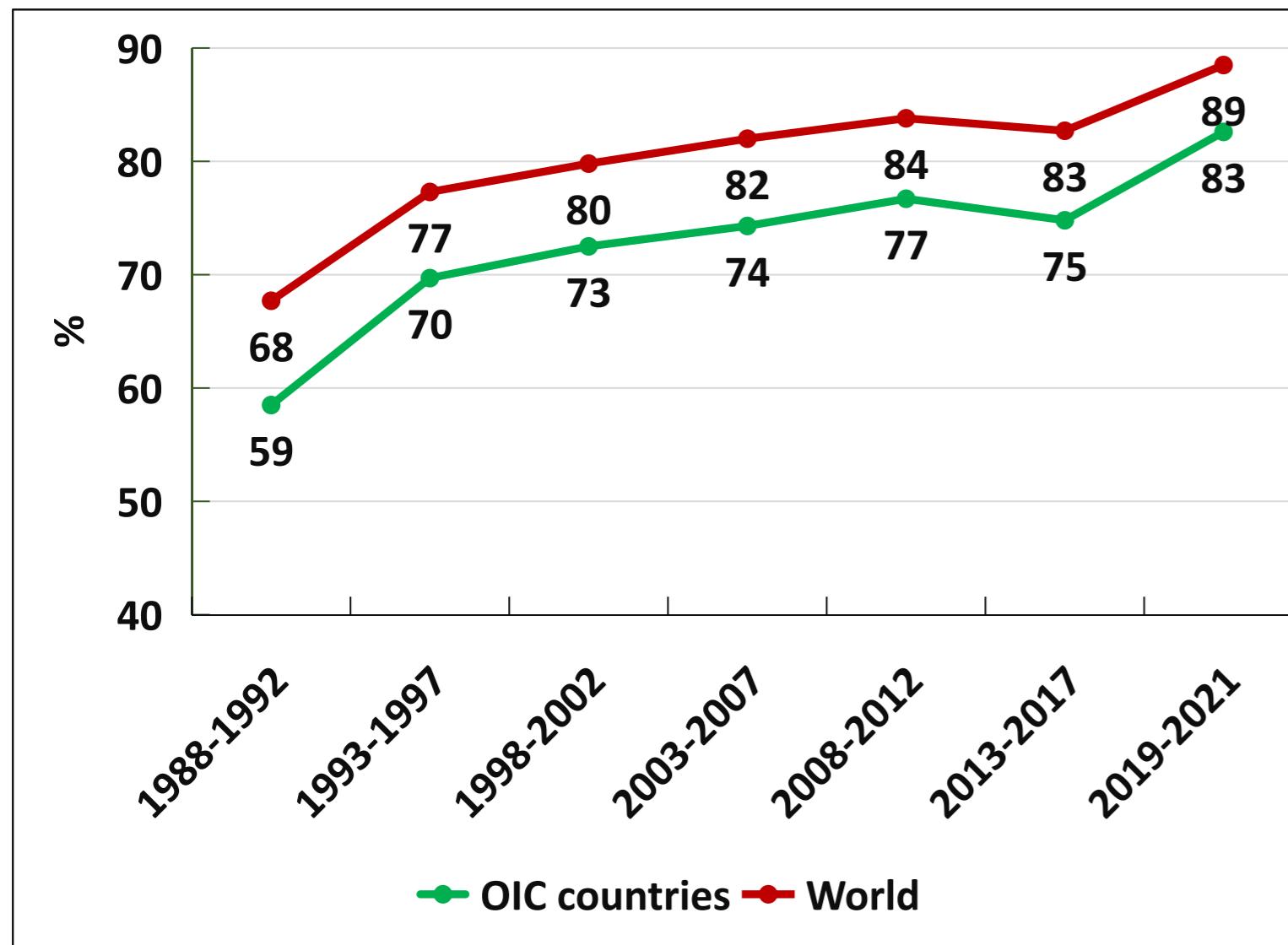


Sources: <https://data.worldbank.org/indicator/NY.GDP.PCAP.PP.CD>

2. The State of Food security

➤ Utilization

Access to Improved Water Sources in the OIC (by Sub region) and the World

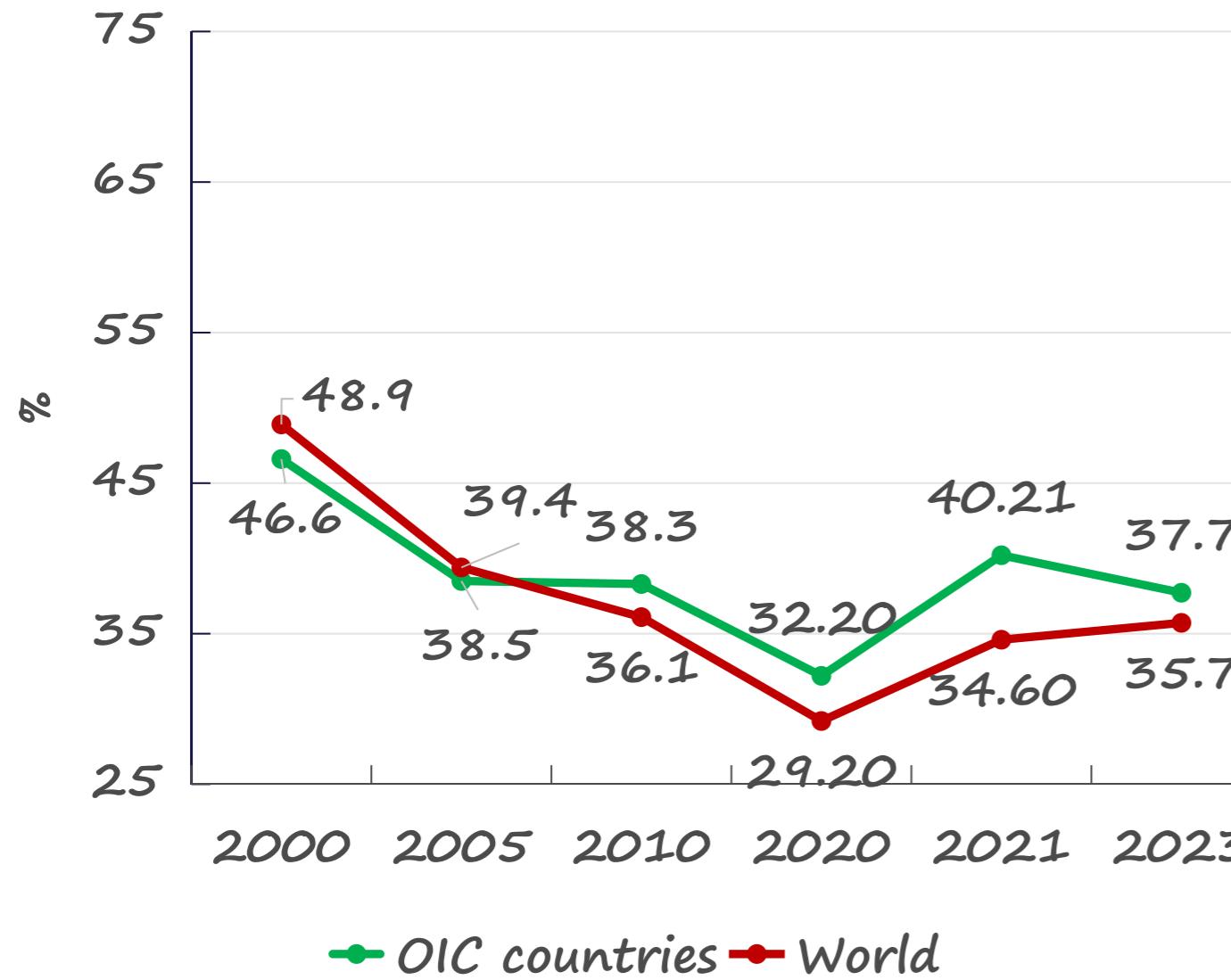


Sources: <https://www.fao.org/faostat/en/#data/FS>

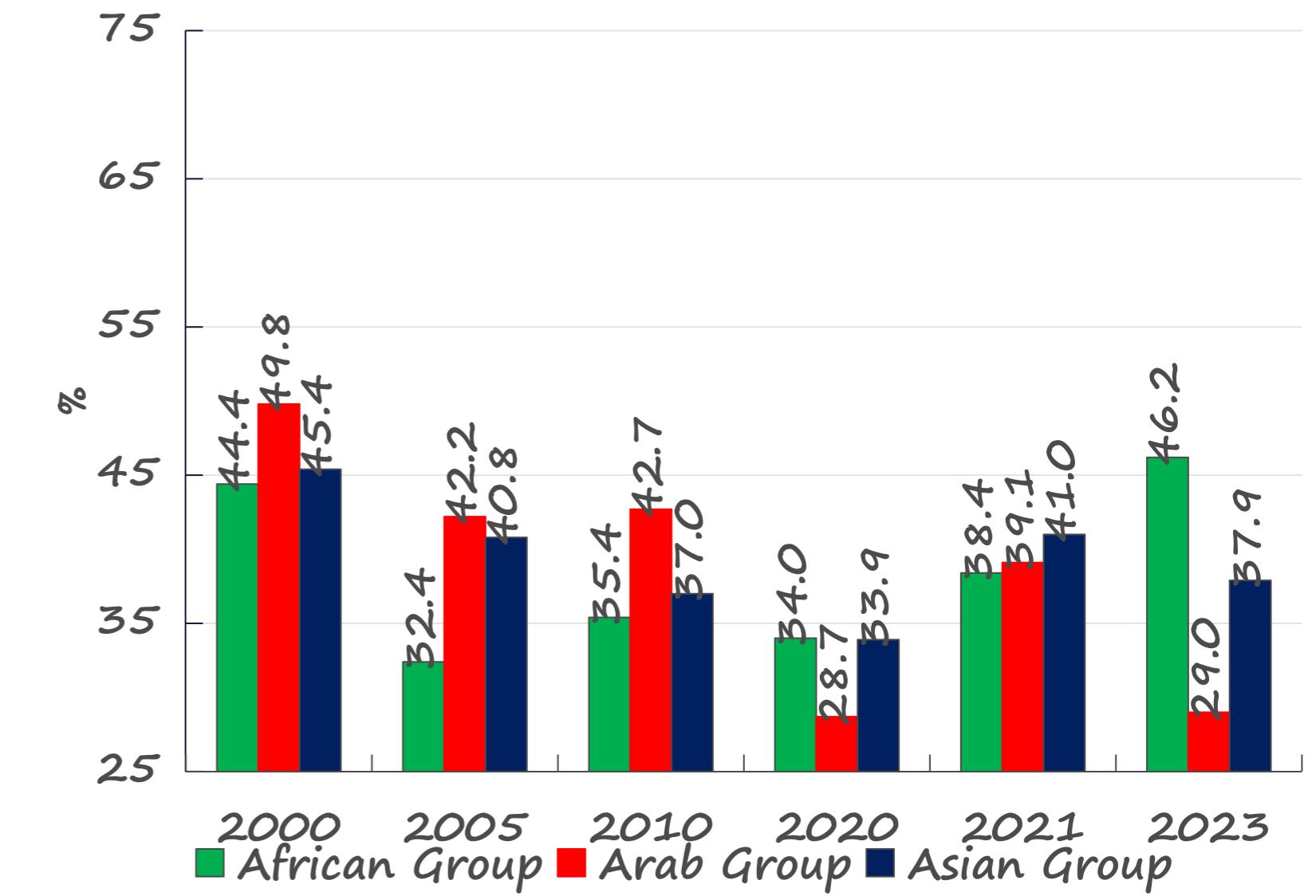
2. The State of Food security

➤ Stability

Per Capita Food Supply Variability, kcal/capita/day (in the OIC (by Sub-Regions)



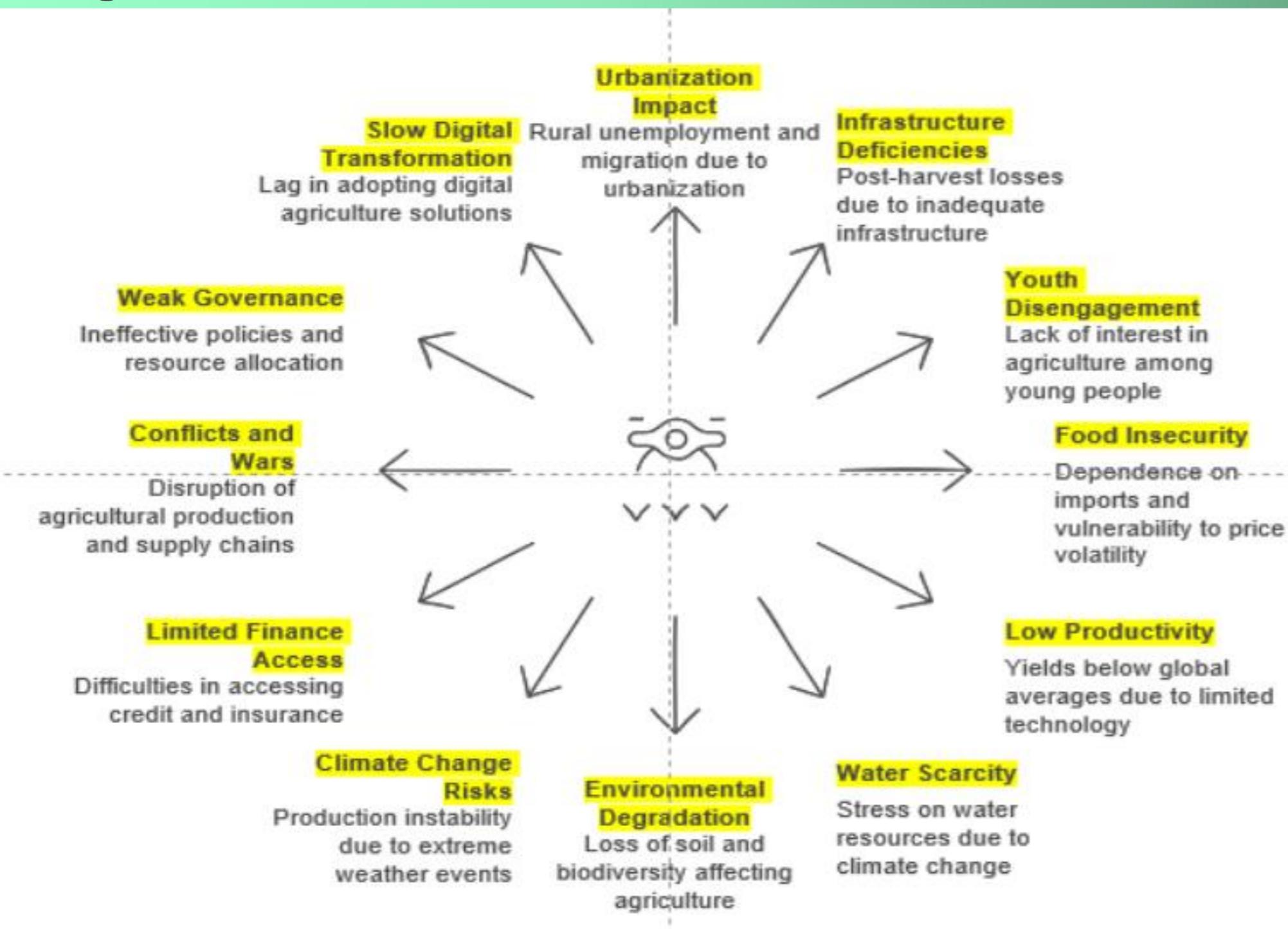
and World



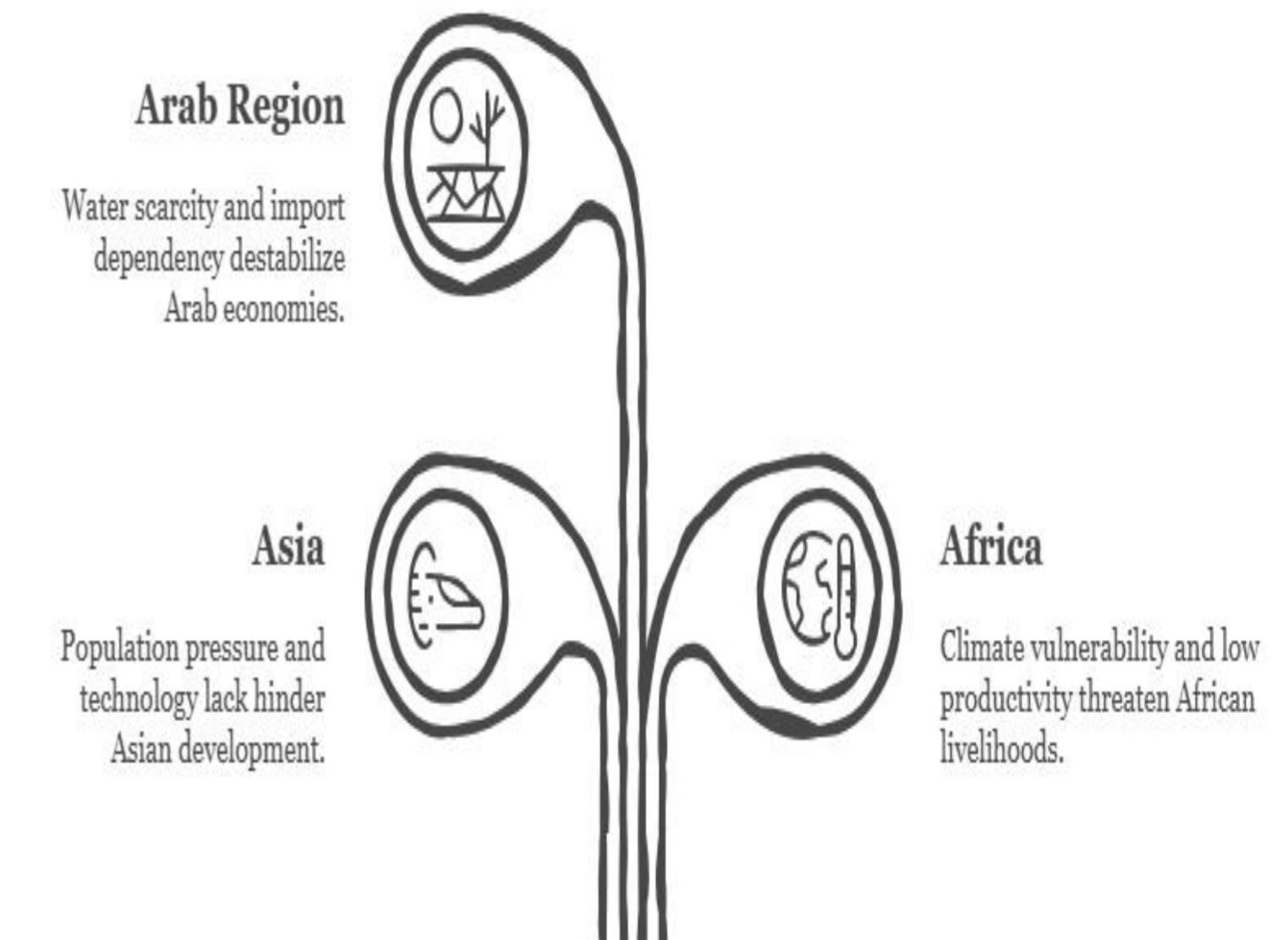
Source: <https://inddex.nutrition.tufts.edu/data4diets/data-sources-and-methods>

3. Main Agricultural Problems and Recommendations

➤ Agricultural Problems

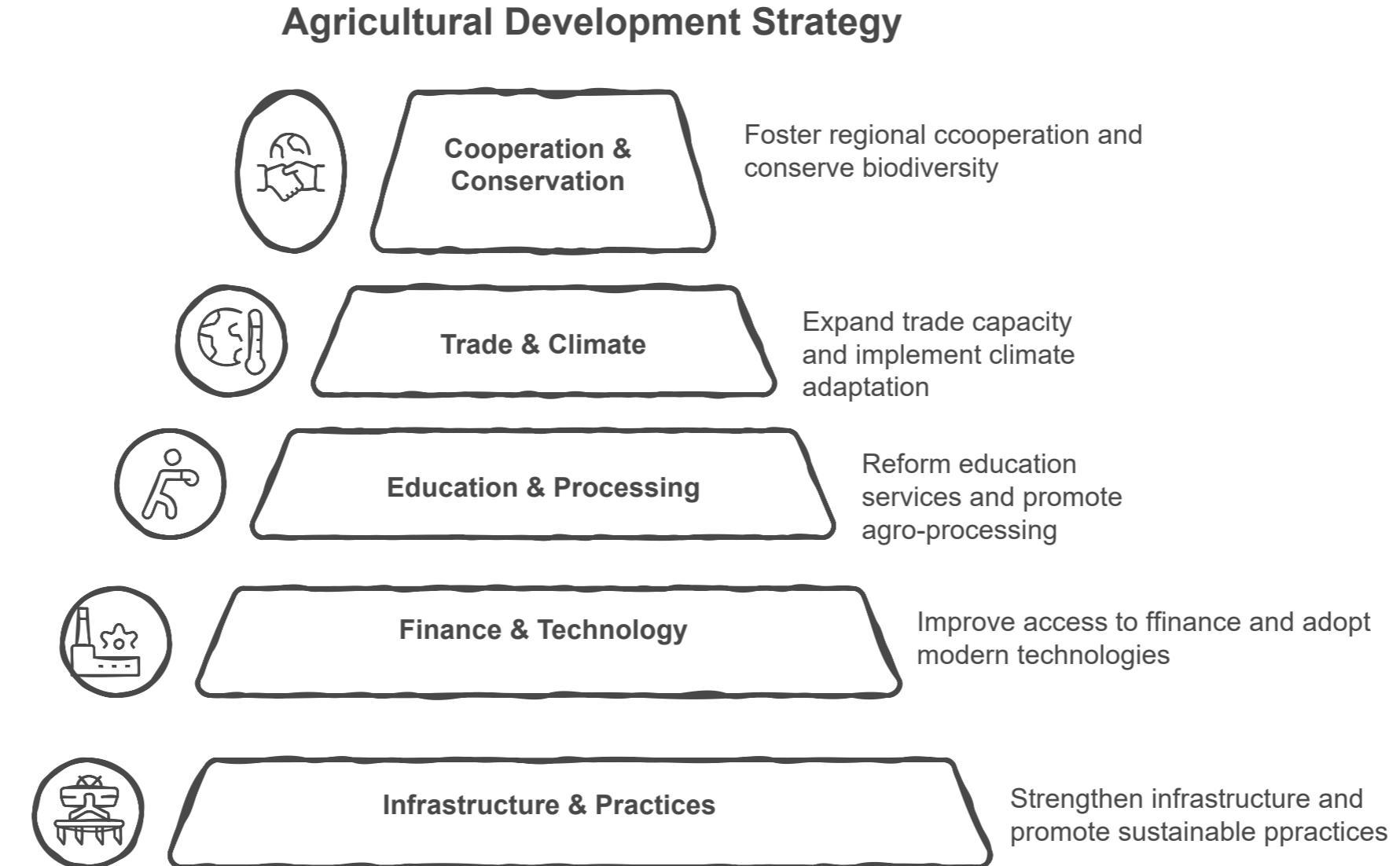


Main Challenges by sub region



3. Main Agricultural Problems and Recommendations

➤ Recommendations



5. Conclusion

- Agriculture remains strategically important in OIC countries.
- Although production has increased, productivity is low and structural problems persist.
- Pandemics, wars, migrations and environmental shocks have exacerbated food insecurity, affecting around half of the population.
- Lack of modern infrastructure and rural problems make it difficult to implement innovations.
- There is great potential for cooperation and investments among Member States.
- Early warning systems, use of technology, regional solidarity and political stability are key to food security.





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Thank You...



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