

WEBINAR



'Addressing Risks & Prevention Measures of Livestock Sector'

| 12.06.2024

State of Livestock in OIC Member Countries

Muzamil EDEMA

Researcher, Economic and Social Research Department **SESRIC**





Status of Livestock, 2022



Number of Mammals



Source: SESRIC Staff calculations based on FAOSTAT Online Database







Number of Major Mammals in OIC Countries





Status of Livestock, 2022



Top 5 OIC Countries & their World Ranks



Source: SESRIC Staff calculations based on FAOSTAT Online Database



Total Number of Livestock, 2022



Poultry (Billion)





Poultry Stock in OIC Countries, 2022





9.8 Billion

Chickens Share in the World 37%



40 Million

Turkeys Share in the World 16%



Source: SESRIC, State of Youth in the OIC Member States 2024 (forthcoming).



21 Million

Geese Share in the World 6%



Poultry Stock Numbers, 2022



Top 5 OIC Countries & their World Ranks

Chickens			Ducks			Turkeys			Geese		
				Number	D 1 1		NT 1			NT 1	D 1 1
	Number	Rank in		(Million	Rank in		Number	Rank in		Number	Rank in
Country	(Million)	World	Country)	World	Country	(Million)	World	Country	(Million)	World
Indonesia	3,482	2	Bangladesh	63.8	3	Morocco	13.4	5	Mozambique	15.4	2
Pakistan	1,725	3	Indonesia	58.4	4	Tunisia	13.0	6	Egypt	3.0	7
Iran	1,037	6	Malaysia	9.7	12	Türkiye	3.7	12	Türkiye	1.4	8
Türkiye	361	11	Egypt	7.3	17	Kazakhstan	2.6	16	Iran	1.0	10
Bangladesh	312	13	Pakistan	3.9	22	Iran	2.0	19	Algeria	0.05	24

Source: SESRIC Staff calculations based on FAOSTAT Online Database



Production of Livestock Products (Million Metric Tons), 2012 vs 2022



Source: SESRIC Staff calculations based on FAOSTAT Online Database





Top 5 Producers in OIC Countries, 2022



www.sesric.org





Per capita Milk, Meat, and Egg consumption in OIC Countries (Kg/Capita/Yr), 2021





Source: SESRIC Staff calculations based on FAOSTAT Online Database





Top and Bottom OIC Countries in Per Capita Milk, Meat, and Egg Consumption, 2021



Source: SESRIC Staff calculations based on FAOSTAT Online Database

www.sesric.org



Trade in Livestock Products



Trade in Livestock Products in OIC Countries, (Billion USD), 2022



Source: SESRIC Staff calculations based on FAOSTAT Online Database

www.sesric.org







Food Security Index in OIC Countries and their and Global Rankings (Index Value), 2022



Source: United Nations Convention to Combat Desertification, 2022







Percentage of the Population Unable to Afford a Healthy Diet (%), 2021



Source: SESRIC Staff calculations based on FAOSTAT Online Database



Food Security



Prevalence of Moderate or Severe Food Insecurity in the Total Population (%)

Despite having a considerable share of global livestock, the prevalence of moderate or severe food insecurity in the total population remains high in OIC countries.



2014-2016 ■ 2020-2022

Source: SESRIC Staff calculations based on FAOSTAT Online Database







Average Supply of Protein of Animal Origin (g/cap/day)

Protein of **animal origin** has **increased by 2.3** Grams per capita per day between 2010-2020



Source: SESRIC Staff calculations based on FAOSTAT Online Database



Development Flows to Agriculture



Flows to Livestock and Veterinary Services (million USD), 2021

OIC countries received 81% of the \$327 million in total development flows to agriculture for livestock veterinary services in 2021.



Source: SESRIC Staff calculations based on FAOSTAT Online Database.



Livestock Production and Climate Change



Greenhouse Gas Emissions from Livestock

Global Livestock Environmental Assessment Model (GLEAM) System Boundary



Source: FAO GLEAM Model. Note: Carbon dioxide (CO2), Methane (CH4), and Nitrous oxide (N2O).



Livestock Production and Climate Change



Greenhouse Gas Emissions from Livestock

Trends in Greenhouse Gas Emissions from Livestock (Million metric tons of Carbon Dioxide Equivalent [CO₂eq])



Source: SESRIC Staff calculations based on FAOSTAT Online Database. Note: Carbon Dioxide Equivalent of AR5 include: livestock emissions equivalents of Methane (CH4) and Nitrous Oxide (N2O)







www.sesric.org





Animal Health Workforce per 100,000 People in OIC Countries, 2021



Source: SESRIC Staff calculations based on the Global Health Security (GHS) Index Data 2021. Note: Data includes veterinarians and veterinary para-professionals





Livestock Disease Surveillance

National Mechanism for Livestock Disease Surveillance Reporting, (Index Value), 2021 Annual reporting to WOAH on zoonotic disease incidence (Index Value)

International reporting of animal disease outbreaks (Index Value)



Source: The Global Health Security (GHS) Index Data 2021.

www.sesric.org





National Zoonotic Disease Planning and Surveillance

National planning for zoonotic diseases/pathogens (Index Value), 2021



Surveillance systems for zoonotic diseases/pathogens (Index Value), 2021



Source: The Global Health Security (GHS) Index Data 2021.



Mitigation Strategies



How to Mitigate Risks in Livestock Sector



Thank you for your attention!





Statistical, Economic and Social Research and Training Centre for Islamic Countries

