



protein PARADOX

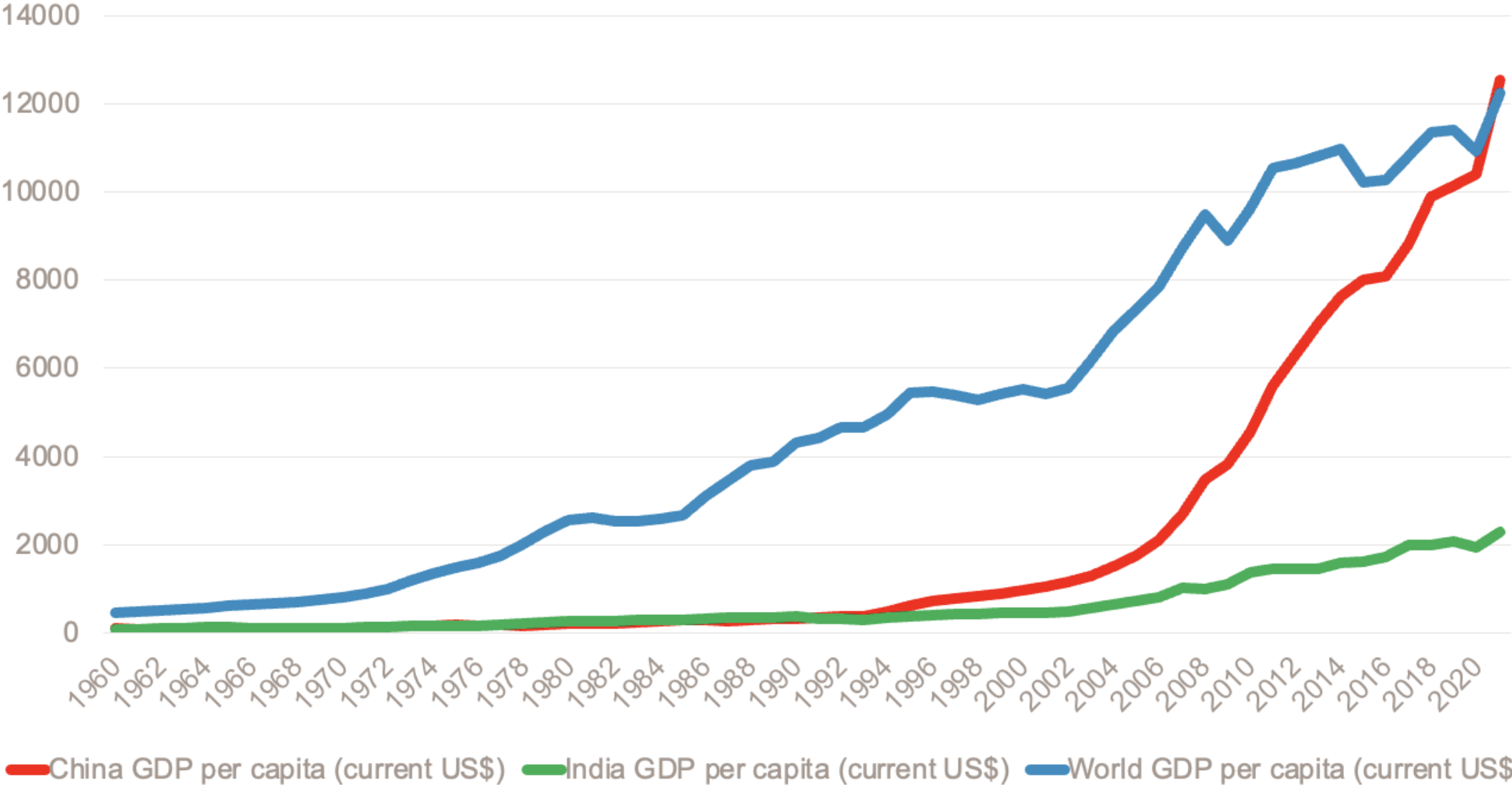


KEVIN ROEPKE
USSEC REGIONAL DIRECTOR

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

GDP PER CAPITA



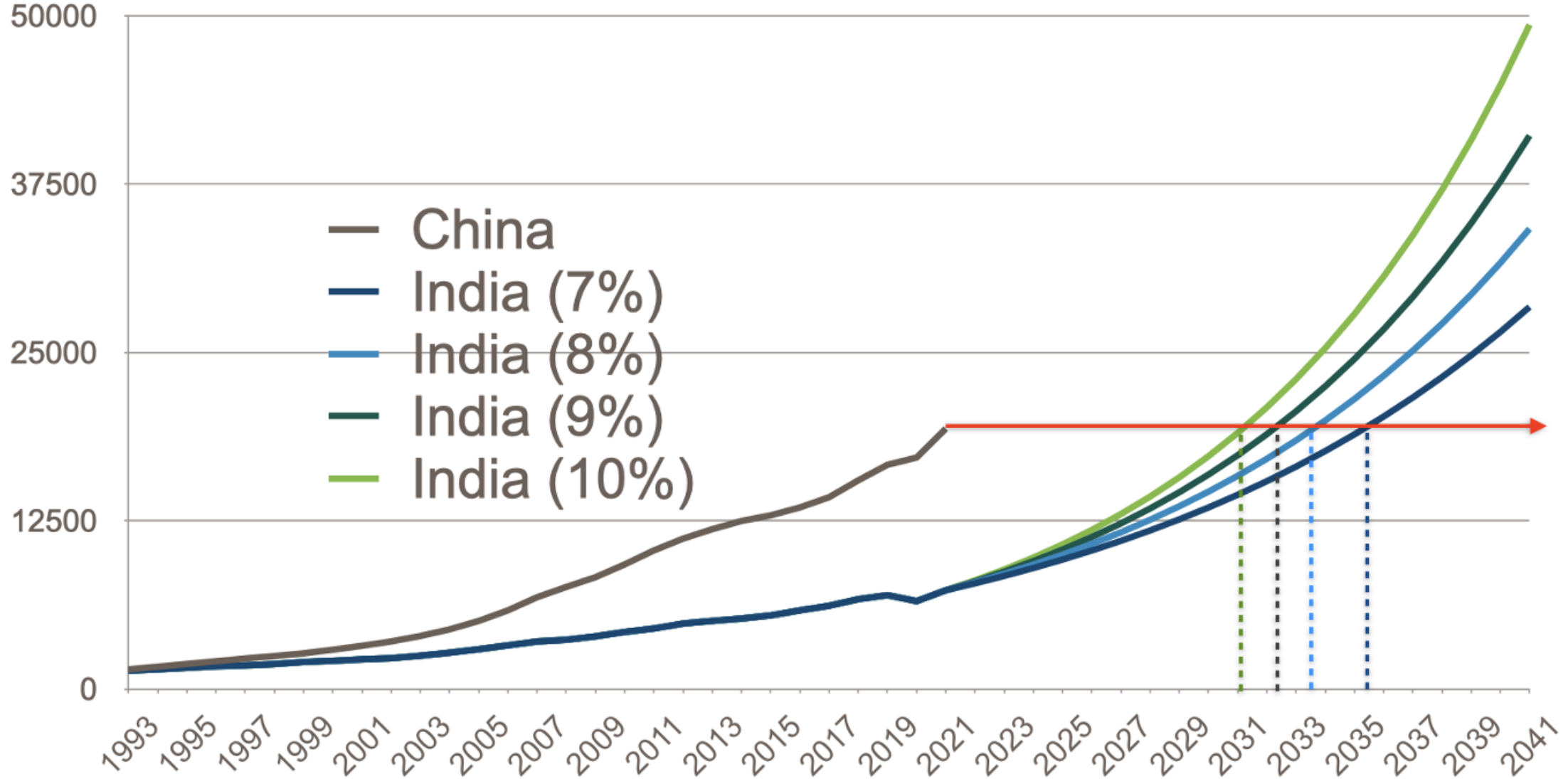
SOURCE: WORLD BANK

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

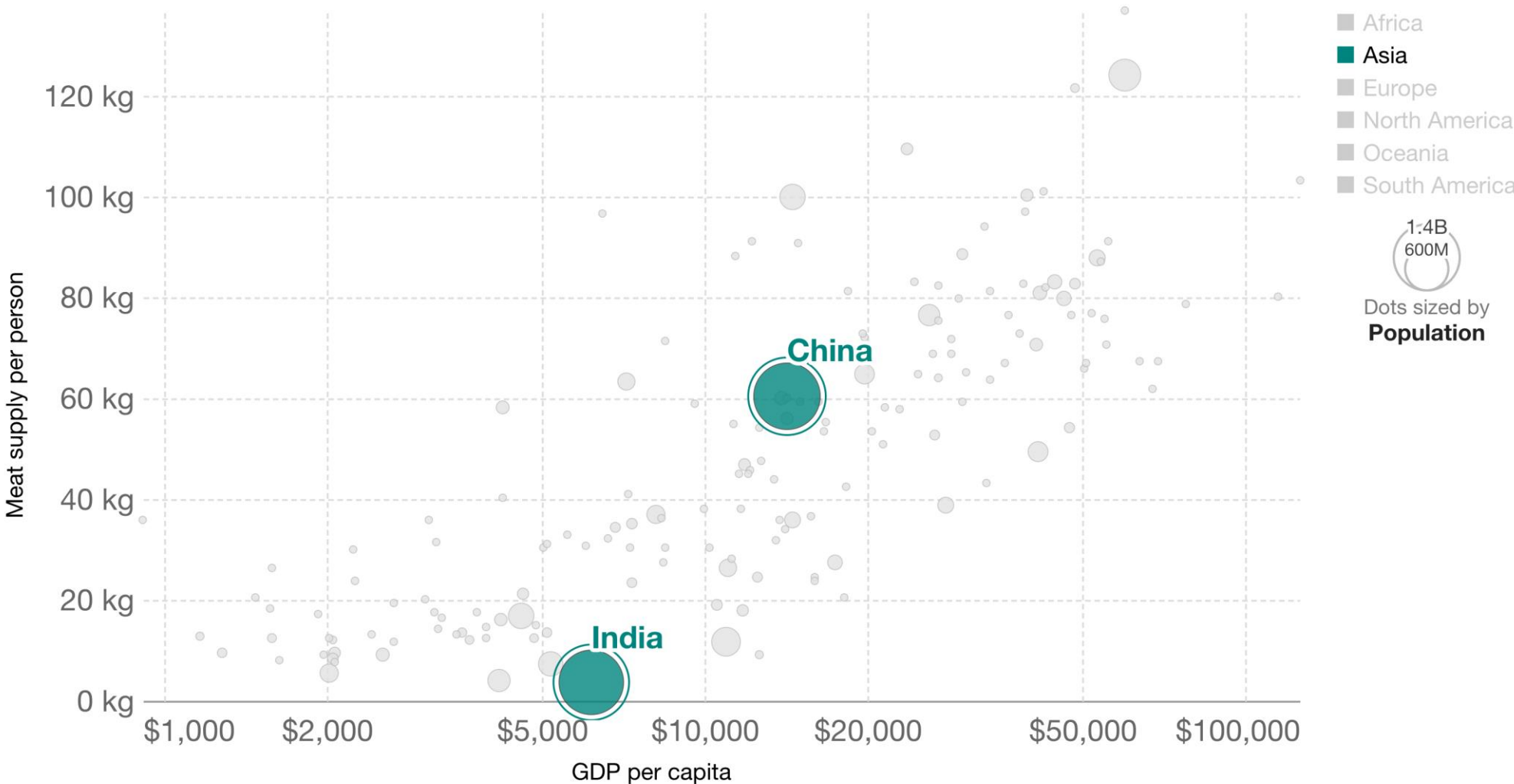
INDIA PPP SCENARIOS (\$)

SOURCE: WORLD BANK/USSEC



Meat consumption vs. GDP per capita, 2017

Average meat consumption per capita, measured in kilograms per year versus gross domestic product (GDP) per capita measured in constant international-\$. International-\$ corrects for price differences across countries. Figures do not include fish or seafood.

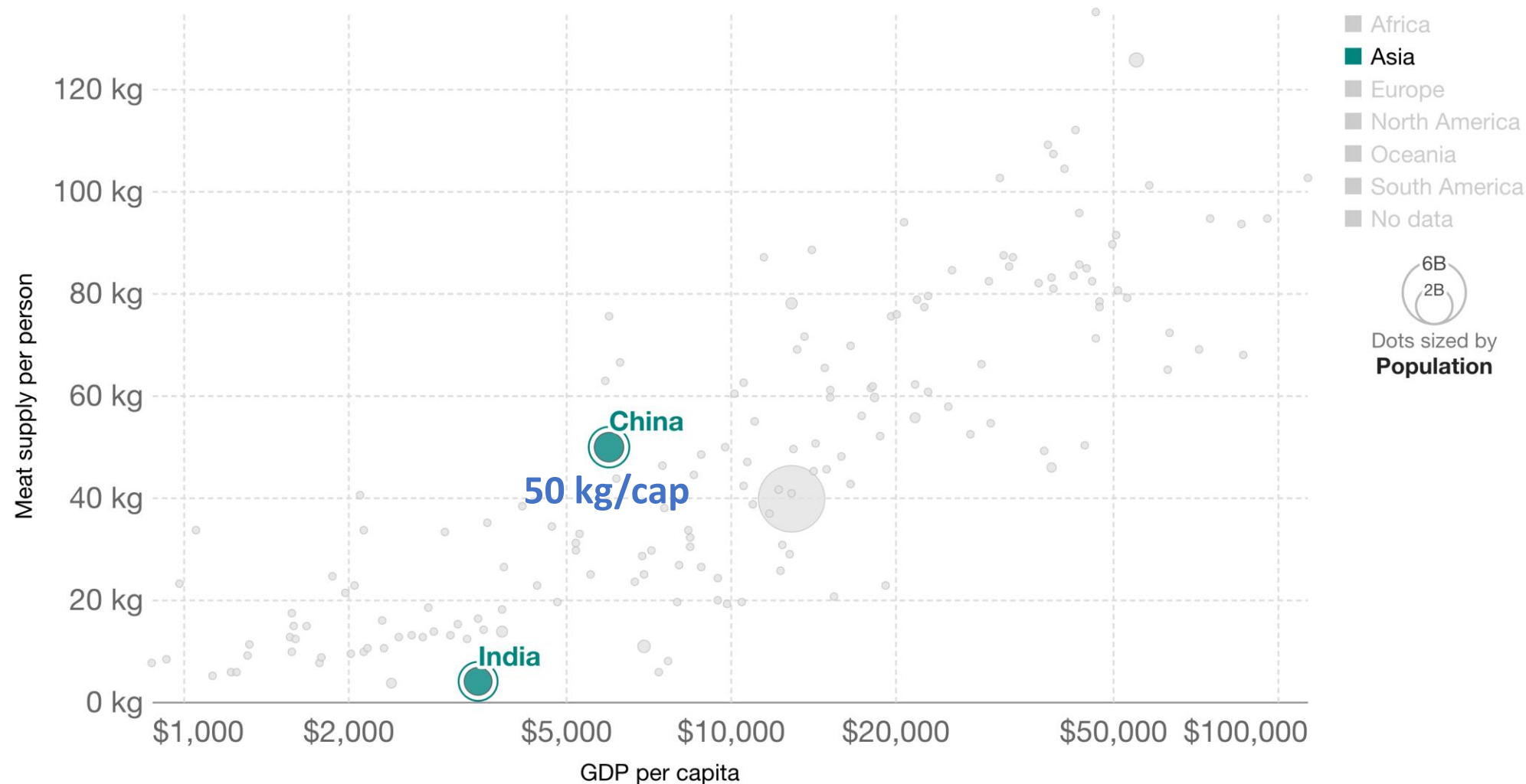


Source: Food and Agriculture Organization of the United Nations, Data compiled from multiple sources by World Bank
OurWorldInData.org/meat-production • CC BY

Meat consumption vs. GDP per capita, 2006

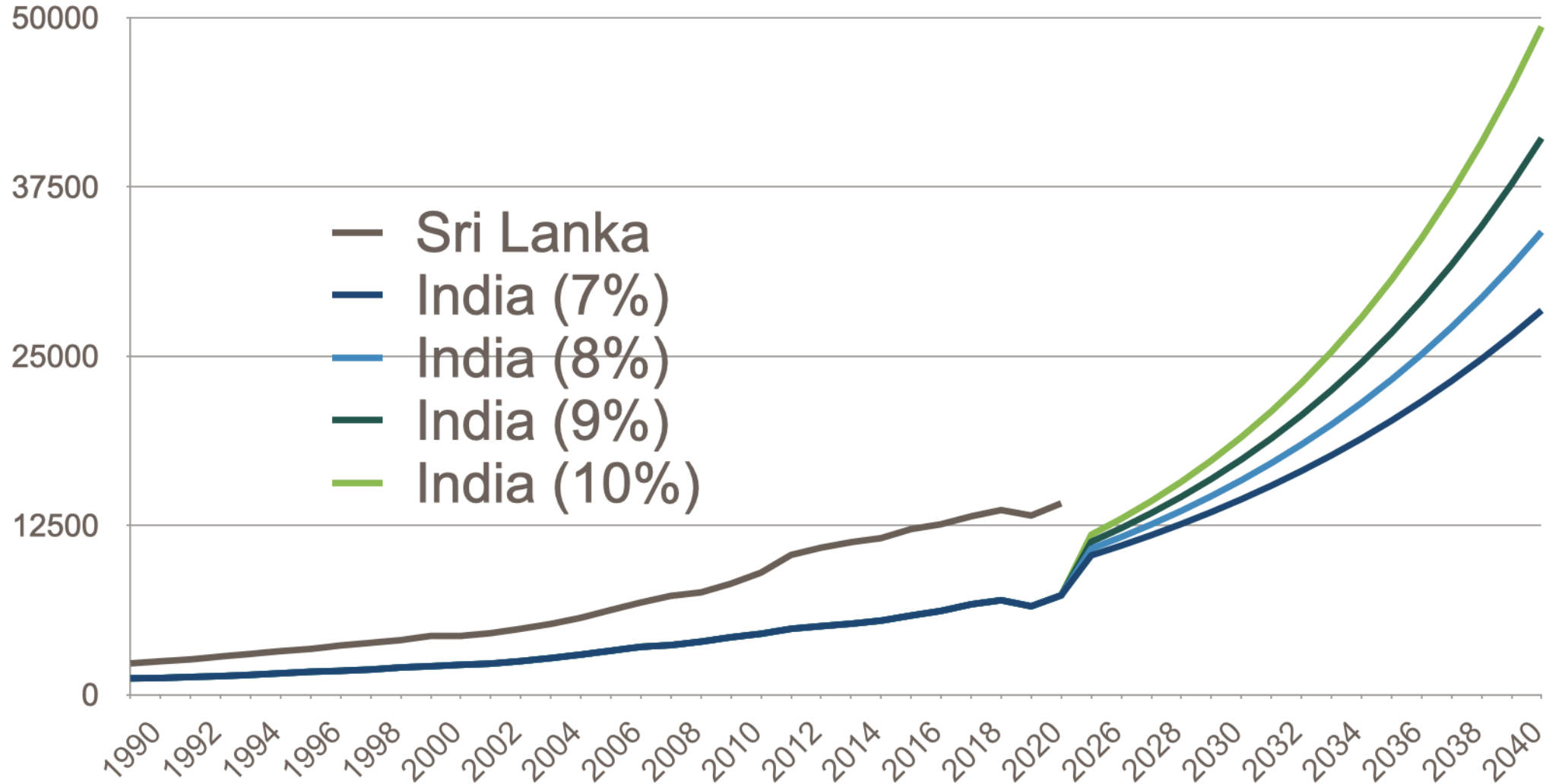
Average meat consumption per capita, measured in kilograms per year versus gross domestic product (GDP) per capita measured in constant international-\$. International-\$ corrects for price differences across countries. Figures do not include fish or seafood.

Our World
in Data



INDIA PPP SCENARIOS v SRI LANKA (\$)

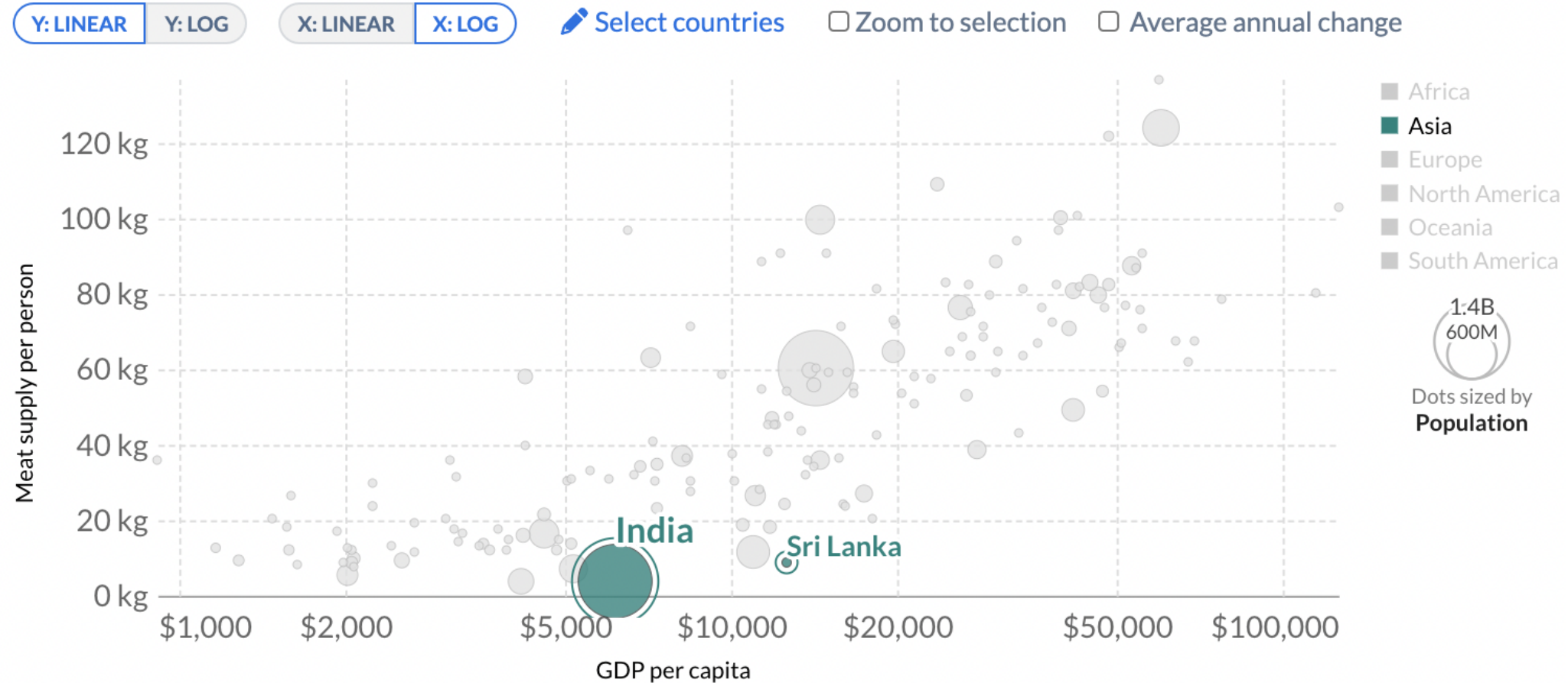
SOURCE: WORLD BANK/USSEC



Meat consumption vs. GDP per capita, 2017

Average meat consumption per capita, measured in kilograms per year versus gross domestic product (GDP) per capita measured in constant international-\$. International-\$ corrects for price differences across countries. Figures do not include fish or seafood.

Our World
in Data



Source: Food and Agriculture Organization of the United Nations; Data compiled from multiple sources by World Bank
OurWorldInData.org/meat-production • CC BY

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

Meat consumption vs. GDP per capita, 2017

Average meat consumption per capita, measured in kilograms per year versus gross domestic product (GDP) per capita measured in constant international-\$. International-\$ corrects for price differences across countries. Figures do not include fish or seafood.

Our World
in Data



Source: Food and Agriculture Organization of the United Nations; Data compiled from multiple sources by World Bank
OurWorldInData.org/meat-production • CC BY

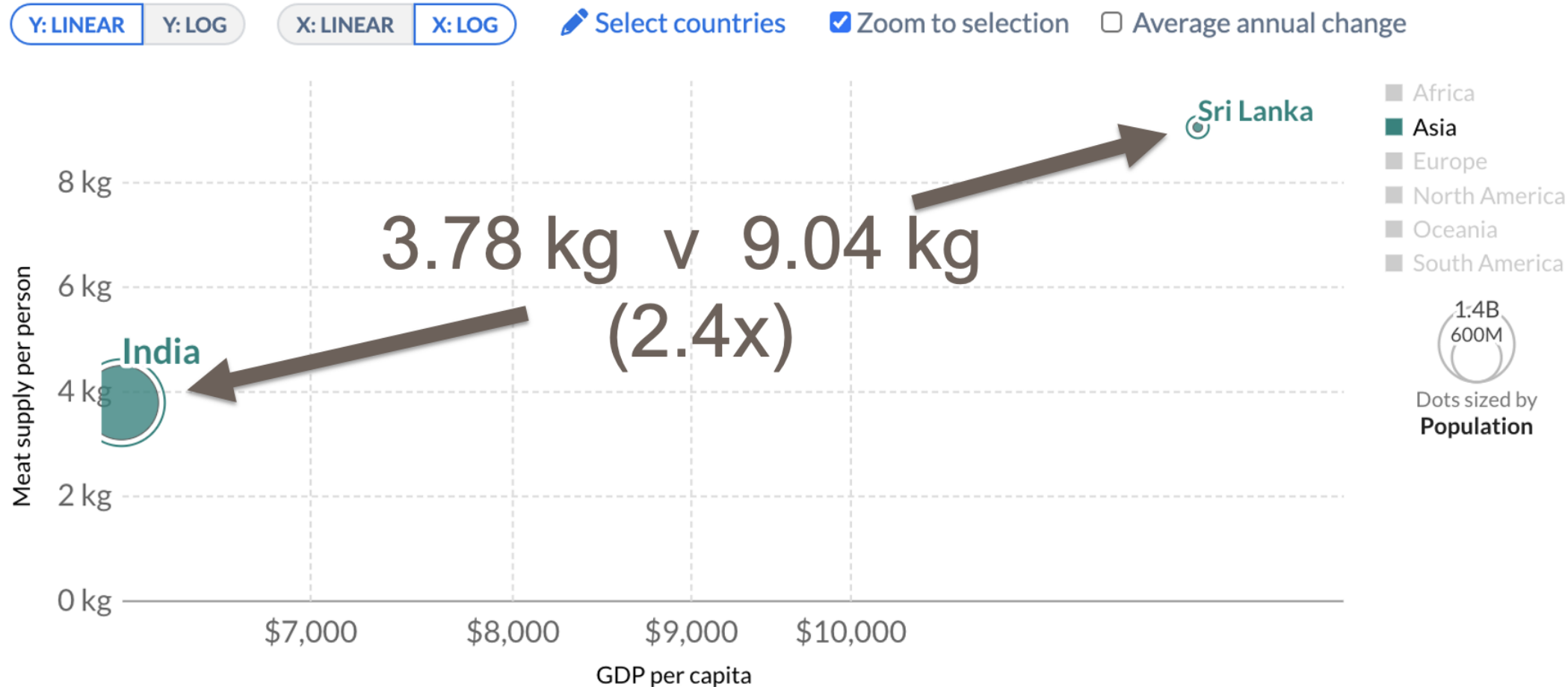
CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

Meat consumption vs. GDP per capita, 2017

Average meat consumption per capita, measured in kilograms per year versus gross domestic product (GDP) per capita measured in constant international-\$. International-\$ corrects for price differences across countries. Figures do not include fish or seafood.

Our World
in Data



Source: Food and Agriculture Organization of the United Nations; Data compiled from multiple sources by World Bank
OurWorldInData.org/meat-production • CC BY

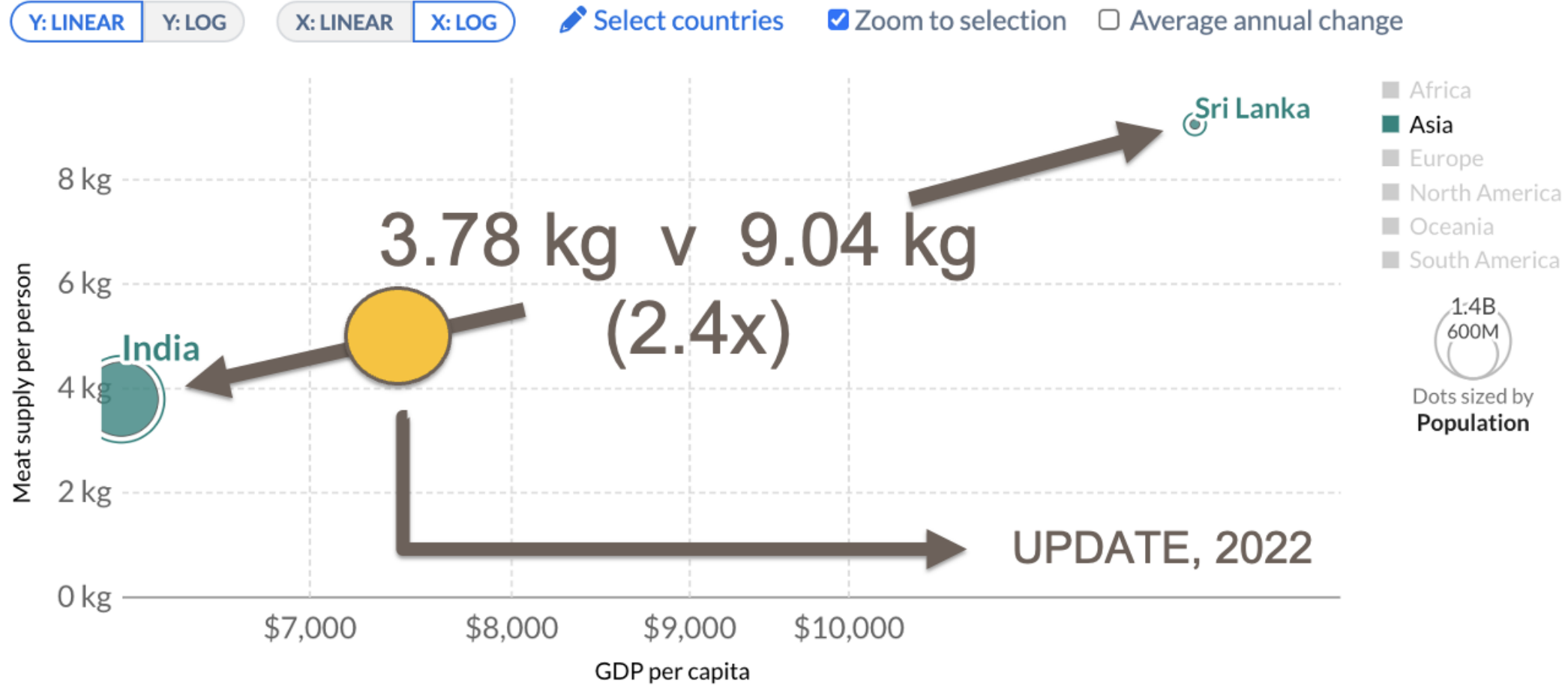
CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

Meat consumption vs. GDP per capita, 2017

Average meat consumption per capita, measured in kilograms per year versus gross domestic product (GDP) per capita measured in constant international-\$. International-\$ corrects for price differences across countries. Figures do not include fish or seafood.

Our World
in Data



Source: Food and Agriculture Organization of the United Nations; Data compiled from multiple sources by World Bank
OurWorldInData.org/meat-production • CC BY

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

POINT NUMBER 1



INDIA COULD EXPECT TO BE AT THE PPP THAT SRI LANKA IS NOW WITHIN THE NEXT 5-10 YEARS.

IF THAT HOLDS TRUE, THE COMMENSURATE INCREASE IN POULTRY CONSUMPTION WOULD BE 2x! THIS WOULD IMPLY APPROX 10 KG/PER CAPITA

- X FACTOR—INDIA HAS 200 MILLION MUSLIMS THAT ARE OCCASIONALLY SUBSTITUTING POULTRY FOR BEEF
- Y FACTOR—INDIA'S ENORMOUS, BUT DISORGANIZED DAIRY SECTOR PROVIDES A TREMENDOUS OPPORTUNITY FOR ANIMAL FEED

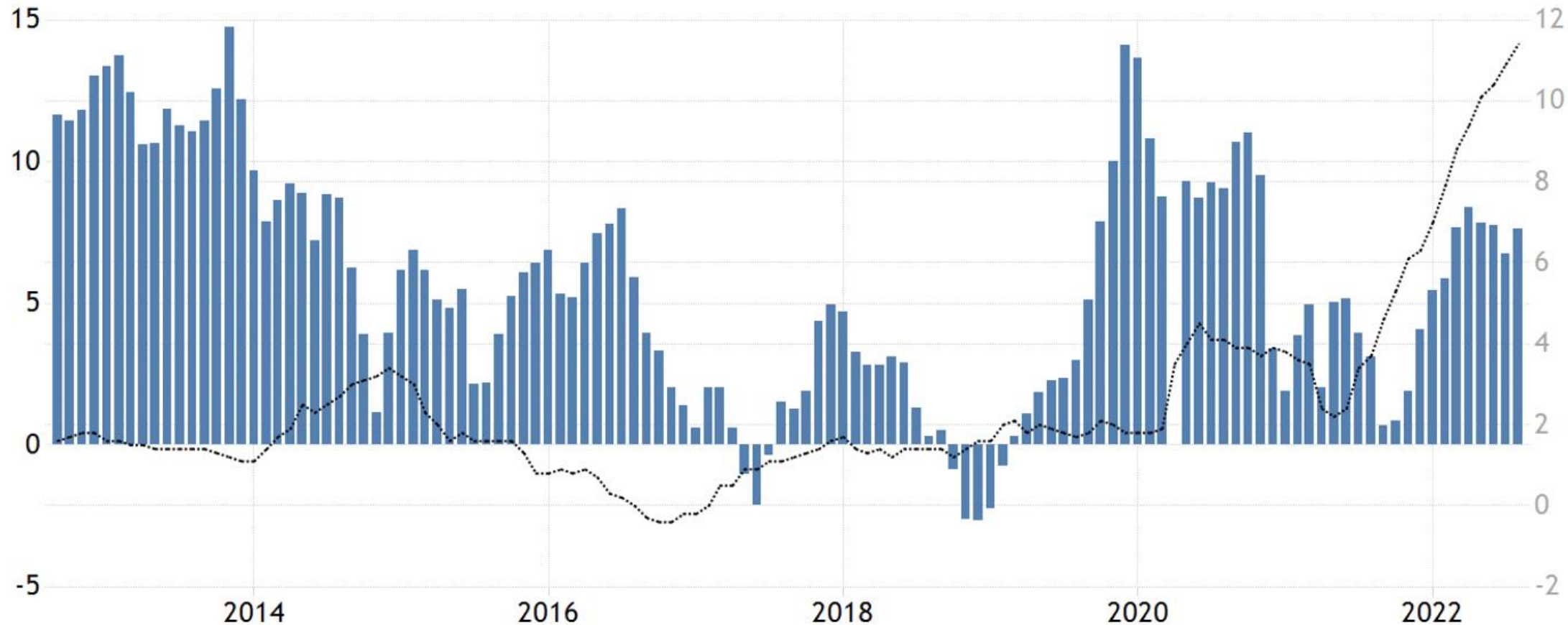


CHICKENOMICS

US vs INDIA FOOD INFLATION



■ INDIA FOOD INFLATION US FOOD INFLATION



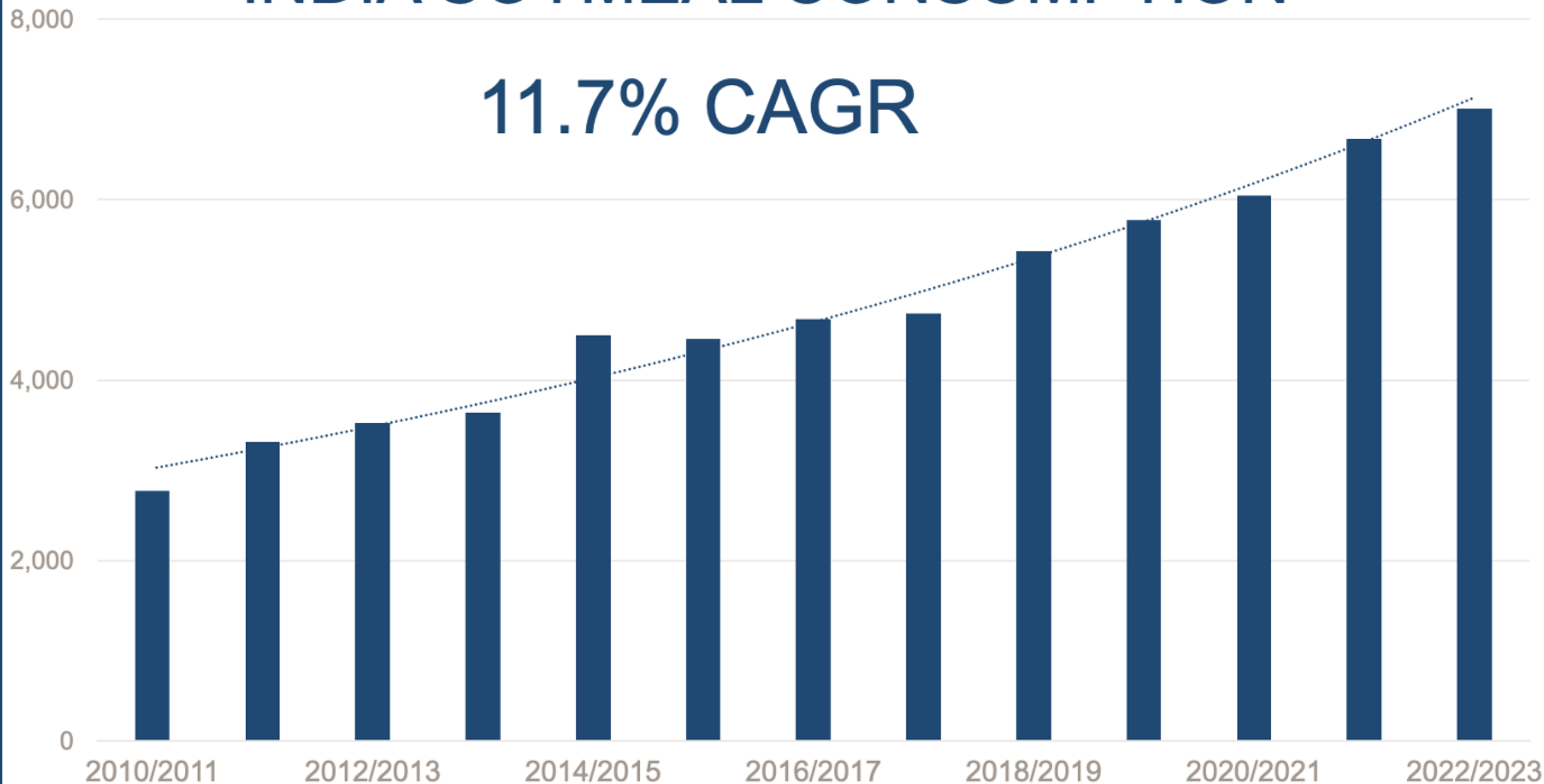
TRADINGECONOMICS.COM

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

INDIA SOYMEAL CONSUMPTION

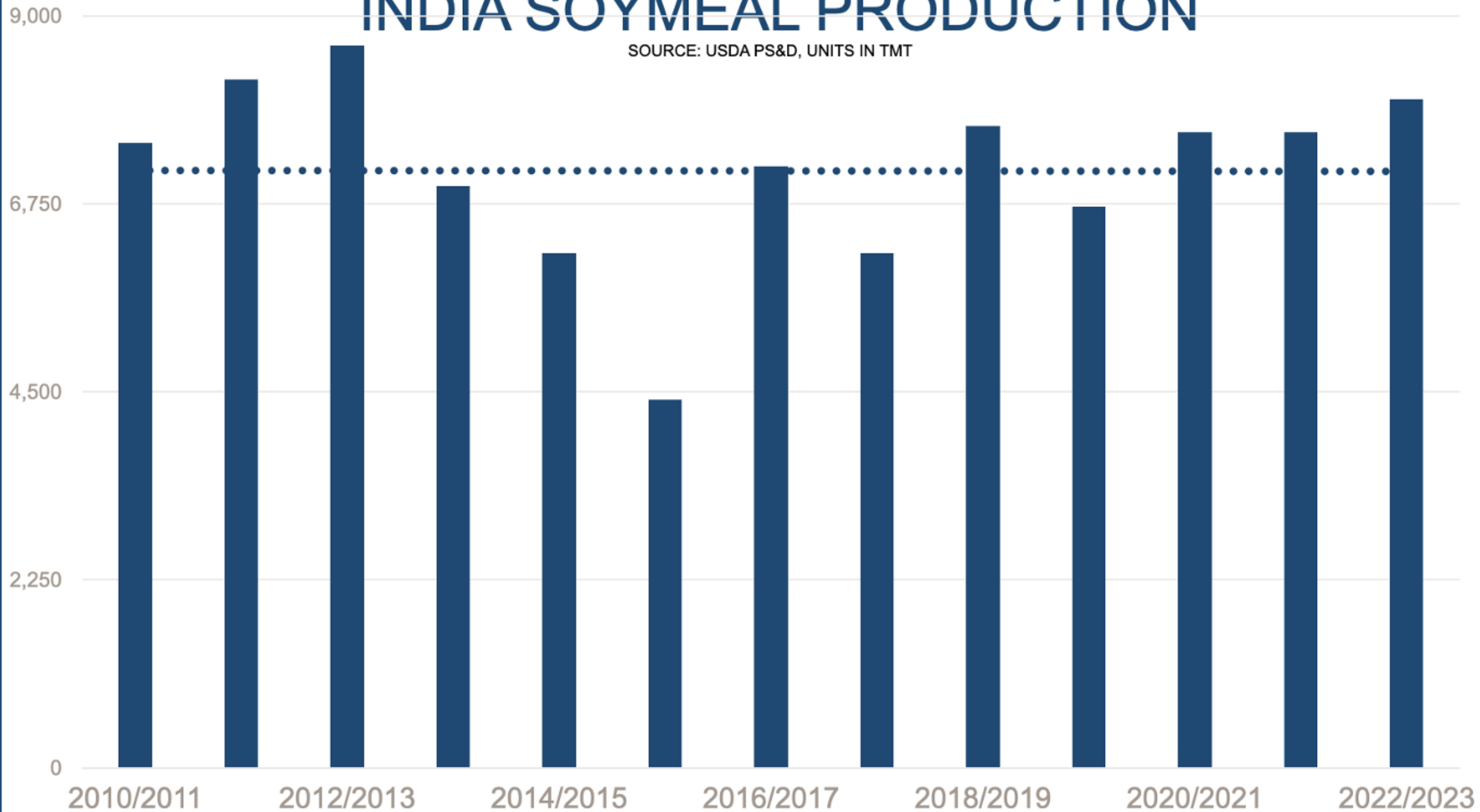
11.7% CAGR



SOURCE: USDA PS&D, UNITS IN TMT

INDIA SOYMEAL PRODUCTION

SOURCE: USDA PS&D, UNITS IN TMT



INDIA SOYMEAL CONSUMPTION v PRODUCTION

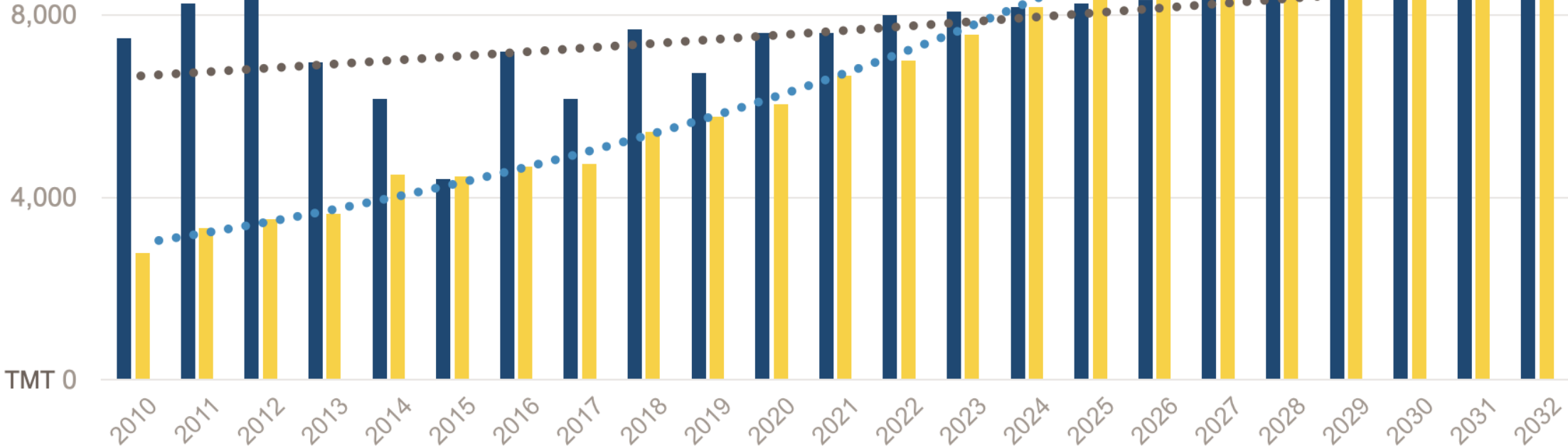


MT	22/23	32/33*
PRODUCTION	8,000,000	8,800,000 (1%)
CONSUMPTION	7,000,000	15,100,000 (8%)

*NOT A FORECAST, MERELY AN EXTRAPOLATION OF TRENDS

■ Soymeal Consumption

■ Soymeal Production



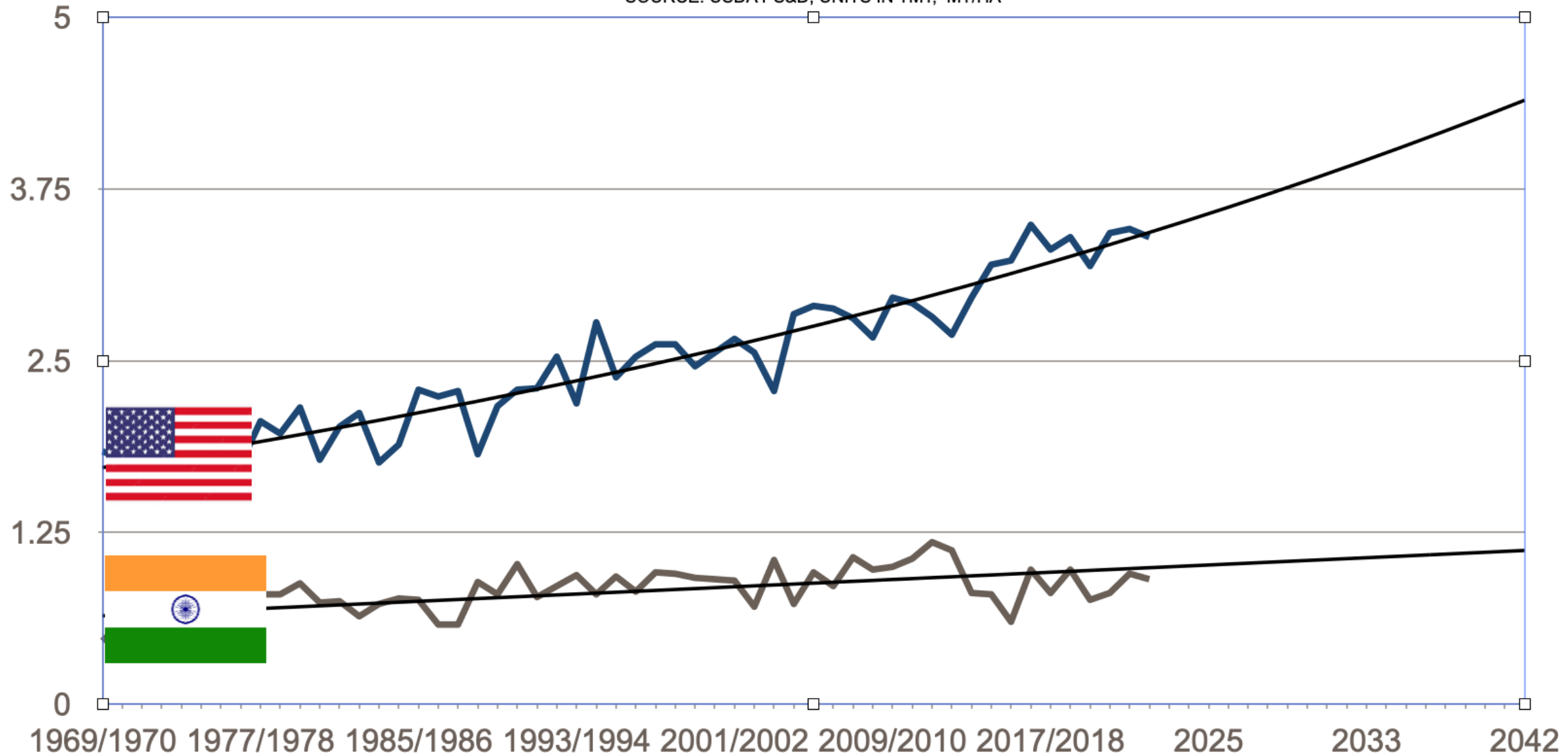
SOURCE: USDA PS&D, UNITS IN TMT

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

INDIA vs US SOYBEAN YIELDS

SOURCE: USDA PS&D, UNITS IN TMT, MT/HA



POINT NUMBER 2

INDIA'S IMPRESSIVE POULTRY AND AQUA SECTORS CONTINUE TO GROW AT REMARKABLE RATES, DRIVING SOYBEAN MEAL CONSUMPTION.

MEANWHILE, STAGNANT YIELDS HAVE RESULTED IN MUCH SLOWER GROWTH FOR INDIAN SOYMEAL PRODUCTION.

THEREFORE, CURRENT TREND LINES SUGGEST INDIA'S SOYMEAL SHORTAGE TO BECOME MORE AND MORE COMMON



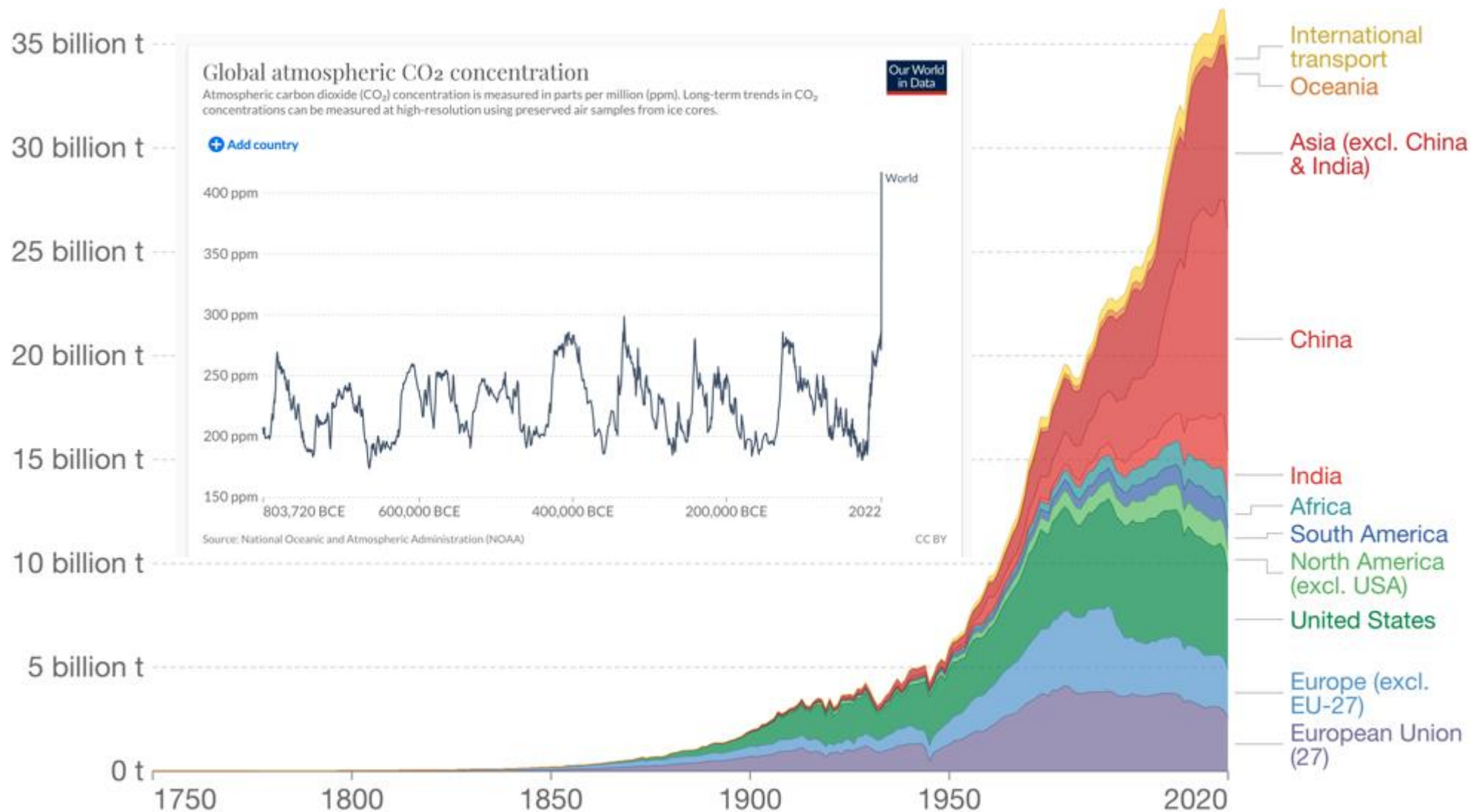
RENEWABLE DIESEL

SSOY
Delivers Solutions

USSEC

Annual CO₂ emissions from fossil fuels, by world region

Our World
in Data



Source: Global Carbon Project

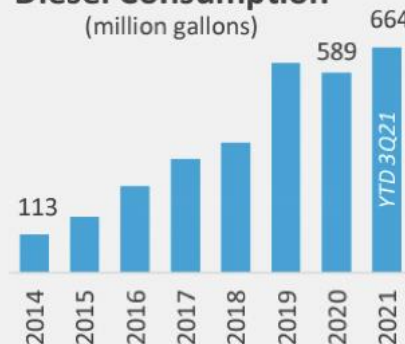
OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

Note: This measures CO₂ emissions from fossil fuels and cement production only – land use change is not included. 'Statistical differences' (included in the GCP dataset) are not included here.

Global Low-carbon Fuel Policies Driving Demand Growth for Renewable Diesel



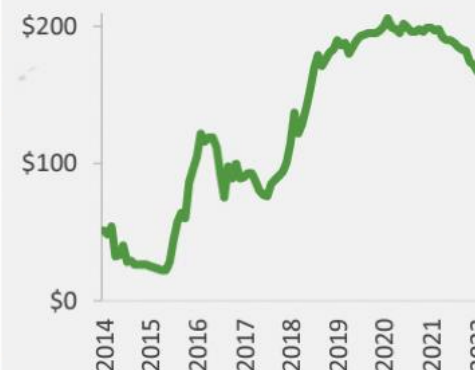
California Renewable Diesel Consumption (million gallons)



	2030 GHG Emissions Reduction Target	Net-zero GHG Emissions Target	Primary Transportation Fuel Policy Mechanism	2030 Liquid Fuels Goal
California	40%	Net-zero by 2045	Low Carbon Fuel Standard (LCFS)	Reduce the carbon intensity of transportation fuels by at least 20%
Canada	30%	Net-zero by 2050	Clean Fuel Standard (CFS) – enforcement expected 2022	Reduce the carbon intensity of transportation fuels by ~13%
EU	40%	Net-zero by 2050	Renewable Energy Directive II (RED II)	Replace 14% of transport fuels with renewable energy
Other Policies in Place	<ul style="list-style-type: none"> Oregon's Clean Fuels Program requires a 10% carbon intensity reduction by 2025; has proposed a 25% reduction by 2035 Washington State's legislature has passed an LCFS that requires a 20% carbon intensity reduction by 2038 British Columbia and Ontario have existing low-carbon fuels policies Sweden currently has a 21% GHG reduction requirement for diesel in 2020, increasing to 66% in 2030 Finland aims for 30% of transport fuels to be biofuels by 2030 UK requires that 11.9% of transportation fuel meets prescribed sustainability criteria, increasing to 17.4% by 2032 			
Potential Policies	<ul style="list-style-type: none"> New York continues to evaluate an LCFS in order to meet its goal of reducing emissions 85% by 2050 New Mexico and Minnesota are exploring renewables mandates 			

LCFS Credit Price

(monthly average, \$ per metric ton)



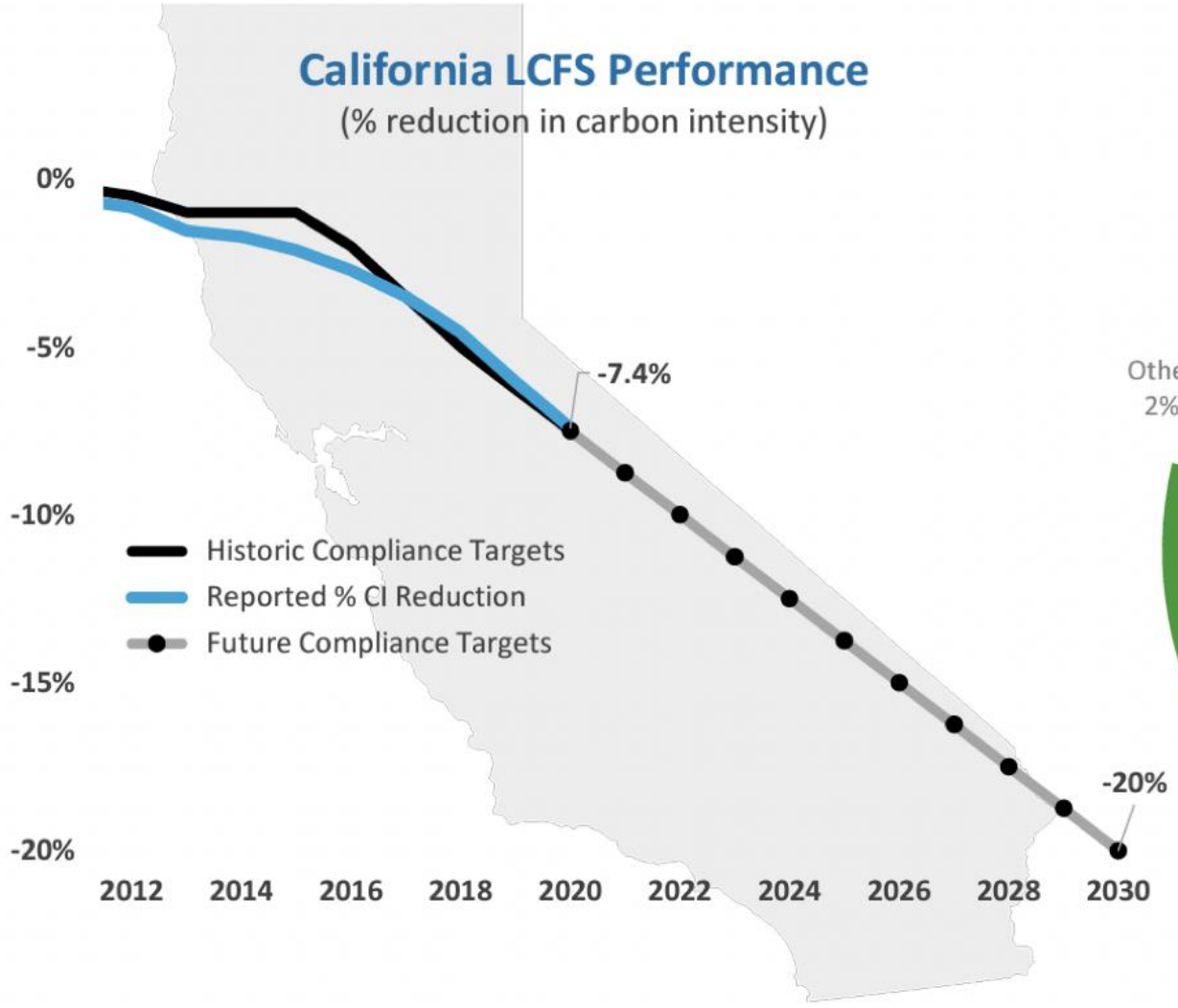
Source: California Air Resources Board. 2021 renewable diesel consumption through 3Q21. LCFS credit price through January 2022.

⁽¹⁾ 2019 diesel demand, inclusive of biofuels, and 2021 Renewable Diesel (RD) and Biodiesel (BD) consumption in Canada, EU, UK, and U.S. states with mandates in place or in consideration (CA, OR, WA, NY, NM, and MN only). Data from DOE, CARB, Oregon DEQ, and industry consultants.

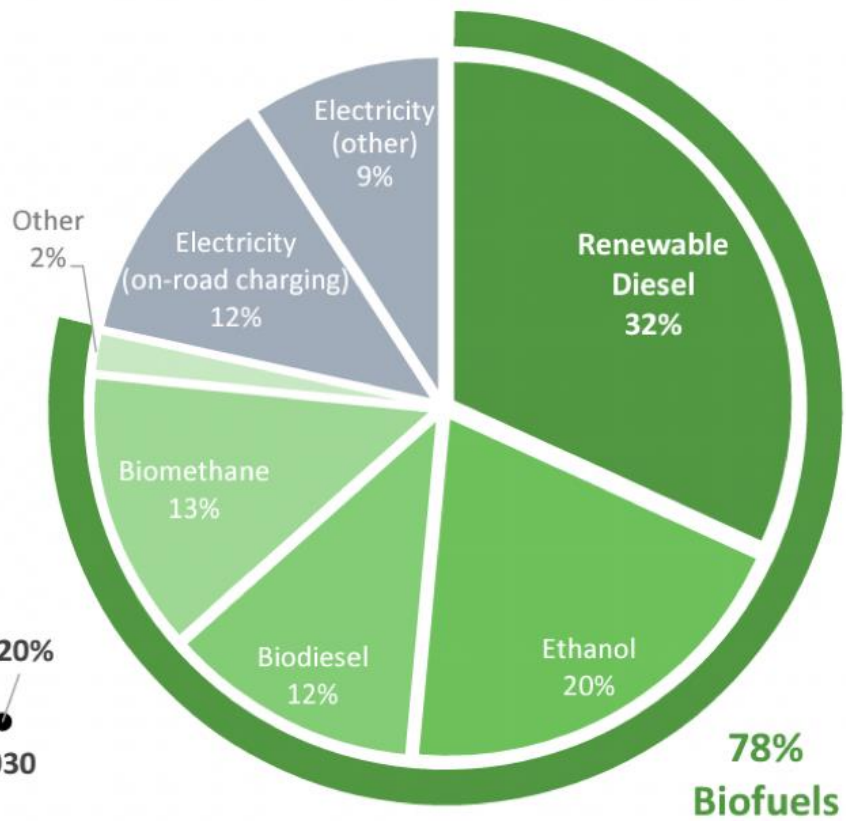
Renewable Diesel Driving Low-carbon Results in California



California LCFS Performance
(% reduction in carbon intensity)



LCFS Credit by Fuel Type
(2021)



Cost-effective fuel that can be used with existing vehicles

Drop-in fuel that does not require infrastructure investments

Over 3 billion gallons consumed in California since 2011



NEW PLANTS/EXPANSIONS?

U.S. SOYBEAN CRUSH CAPACITY EXPANSION

ANNOUNCED | NEW FACILITIES AND/OR EXPANSIONS



- 1 SHELL ROCK
SOY PROCESSING CO.
- 2 ADM 
- 3 Cargill
- 4 AGP
Ag Processing Inc.
- 5 BARTLETT
A SAMPSON COMPANY
- 6 BUNGE 
- 7 BUNGE 
- 8 Epitome Energy
- 9 MARQUIS
ENERGY
- 10 NDSP
- 11 Norfolk Crush LLC
- 12 PRAD
AgriBusiness
- 13 PLATTE CRUSH
- 14 AGP
Ag Processing Inc.
- 15 SOYBEAN
PROCESSING
- 16 Cargill
- 17 TBD*

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

POINT NUMBER 3

BIOFUEL POLICIES, ALONG WITH BLENDING RESTRICTIONS ARE DRIVING THE USAGE OF RENEWABLE DIESEL, FUELING AN ERA OF CRUSH CAPACITY EXPANSION NEVER SEEN BEFORE, RESULTING IN MUCH MORE EXPORTABLE SOYBEAN MEAL IN THE COMING YEARS


right to protein

right to
protein

[About Us](#)[Protein Tools ▾](#)[Initiatives ▾](#)[Soy Story ▾](#)[News](#)[Blogs](#)

Introducing The First Feed Label For High-quality Protein Food Products

With the growing awareness about the importance of protein and its many sources, there is now a need to further protein knowledge beyond just the source. In other words, superior amino acid profile and amino acid digestibility of soybean meal will have tremendous impact on the growth and development of animals.

To resolve this, Right To Protein introduces, Soy Fed  the first ever feed label for the animal-protein industry to enable consumers to make better protein choices.

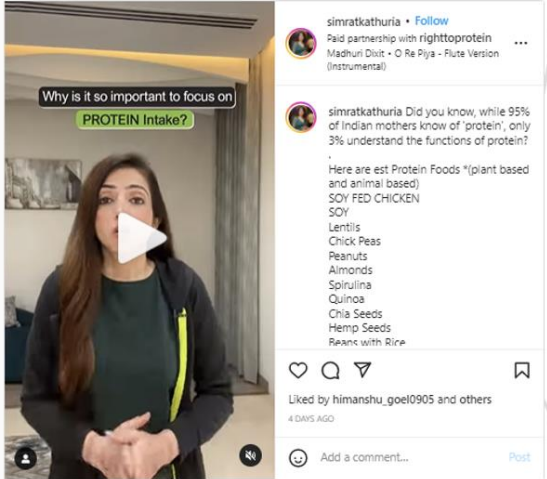
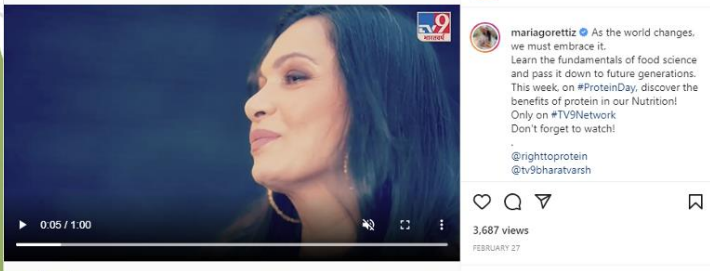
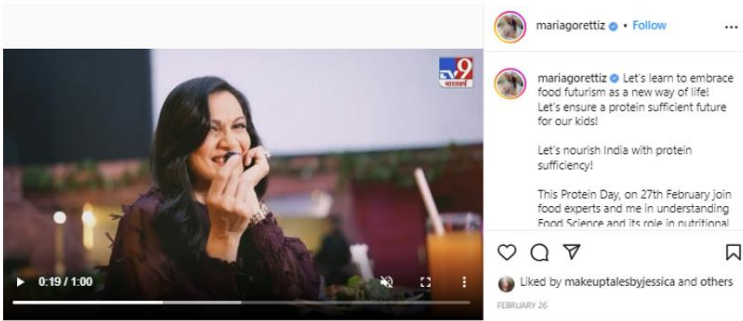
[Let's Get Familiar!](#)

OUTDOOR MEDIA-LED AWARENESS

In order to crea
HOME (OOH) pl

Promoting the
Discussion acro
Mumbai – Hyde
Delhi

#PROTEINDAY: INFLUENCER PARTICIPATION



EN PROMO

ion with media partner to

h video [here](#)



Total Impressions:
216K+



TV9 Bharatvarsh is an Indian Hindi-language news channel owned by TV9 Network – one of India's leading TV news network.





CALL TO ACTION

WE WOULD INVITE AND WELCOME
THE PARTICIPATION OF ALL CLFMA
MEMBERS INTO THE
DEVELOPMENT OF ACTIVITIES FOR
THE RIGHT TO PROTEIN CAMPAIGN.

(FUNDING IS NOT REQUIRED)

CLFMA OF INDIA

Mittal Chambers, 111, 11th Floor, Nariman Point, Mumbai - 400 021, Tel: 022 22026103 / www.clfma.org

A man in a dark polo shirt is shown in a field, examining a soybean plant. The background is a warm, golden sunset over a field of crops. A large green curved line separates the image from the text on the right.

***THANKS TO CLFMA
FOR THE INVITATION!***