

Making the Polluter Pay

Ensuring a Just Transition by Pricing Agricultural Emissions



TRUE ANIMAL PROTEIN PRICE COALITION

Eerlijke prijzen voor vlees en zuivel

Endorsed by

- Benjamin Toirambe Bamoninga
 - Secretary General for the Environment and Development
 - Democratic Republic of Congo
- Balarabe Abbas Lawal
 - Honourable Minister of Environment
 - Nigeria
- Sam Cheptoris
 - Minister of Water and Environment
 - Uganda



Endorsed by 70+ NGOs



SCIL
Social Compassion
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國際學生會議所
UNIVERSITY STUDENT CHAMBER INTERNATIONAL



Center for Renewable Energy
And Action On climate Change



Green Transformation
& Sustainability Network
Partnerships for Sustainable Future



DHRUBOTARA YOUTH
DEVELOPMENT FOUNDATION



TRUE ANIMAL PROTEIN PRICE COALITION

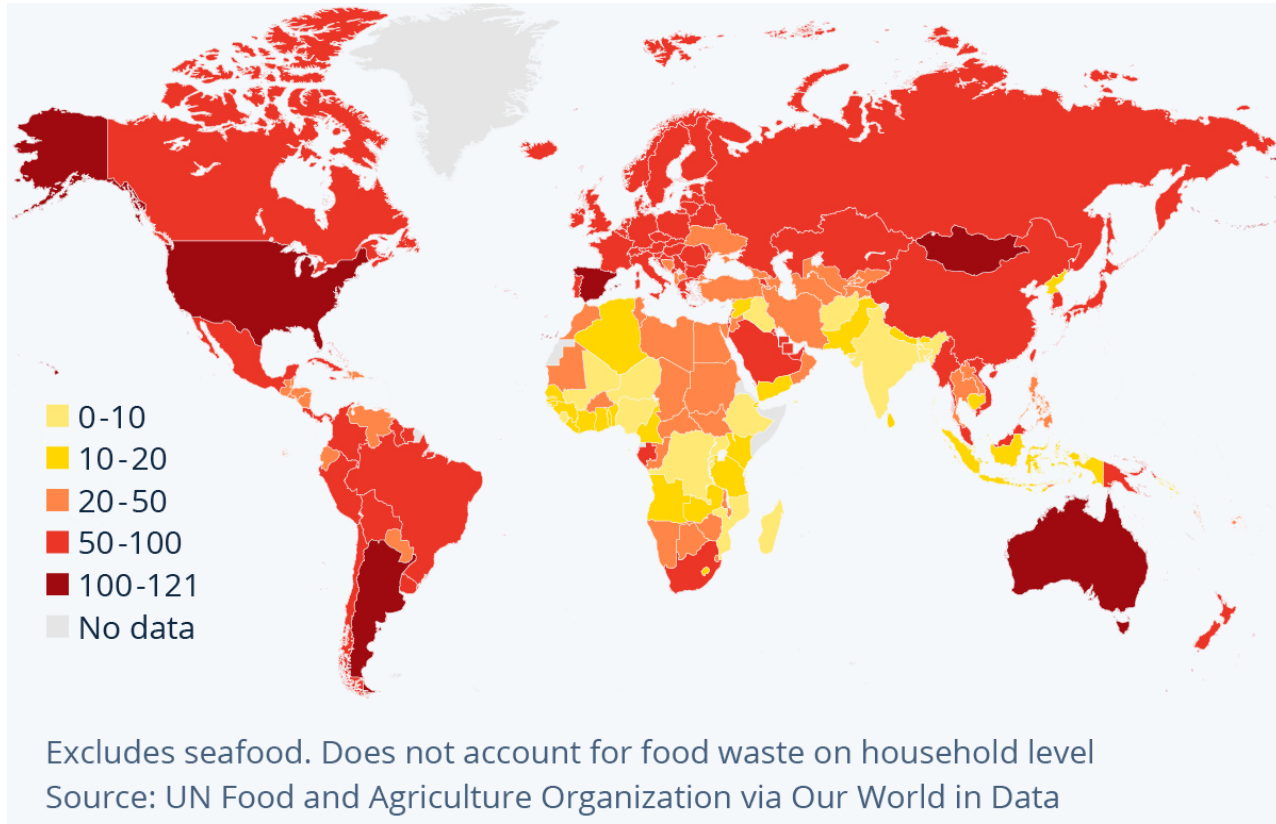
Eerlijke prijzen voor vlees en zuivel

Demands

We believe that COP29 and UNFCCC Climate Conferences thereafter can only be successful if the Final Declaration on Agriculture and Climate:

1. Includes the statement “transitioning away from animal protein overconsumption according to national or global dietary guidelines by implementing GHG-Emission pricing mechanisms in agri-food systems.”
2. Urges the EU Commission, OECD countries, and China to lead the way towards harmonized GHG-emission pricing in their agri-food systems.
3. Urges at least 20% of the revenues of above mentioned GHG-Emission pricing mechanisms to be used as climate finance for the Loss and Damage Fund.

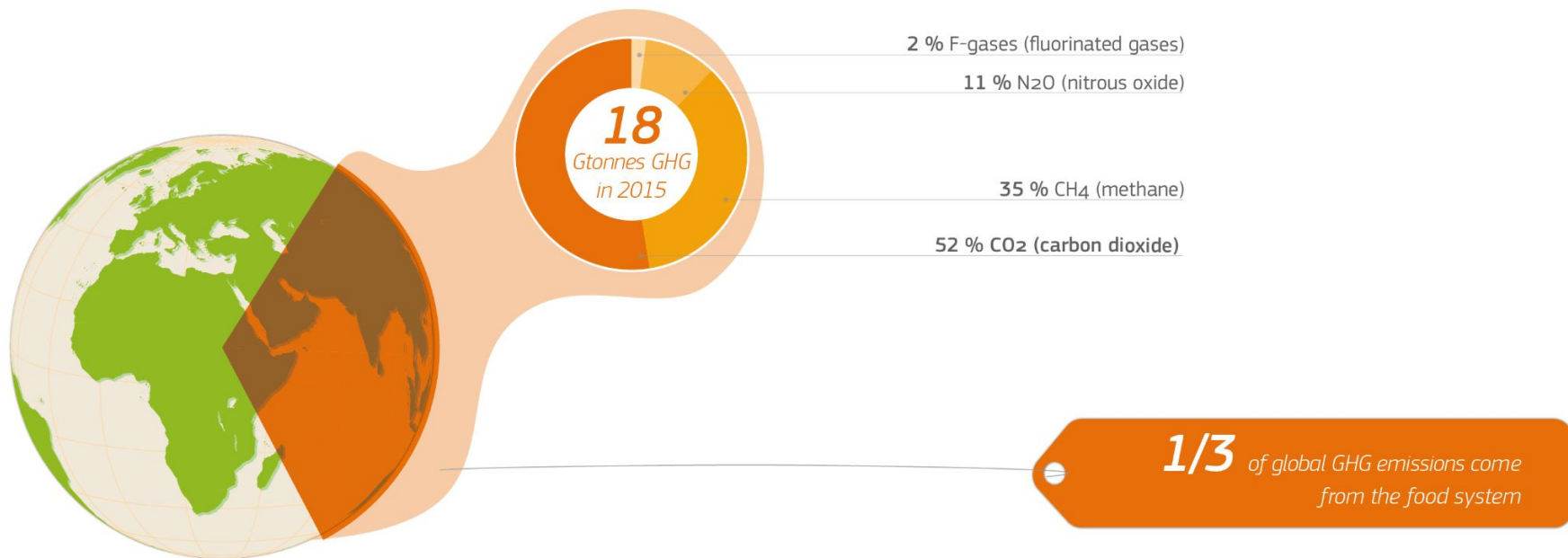
Global Meat Consumption (per capita/year)



Global Meat Consumption (per capita/year)

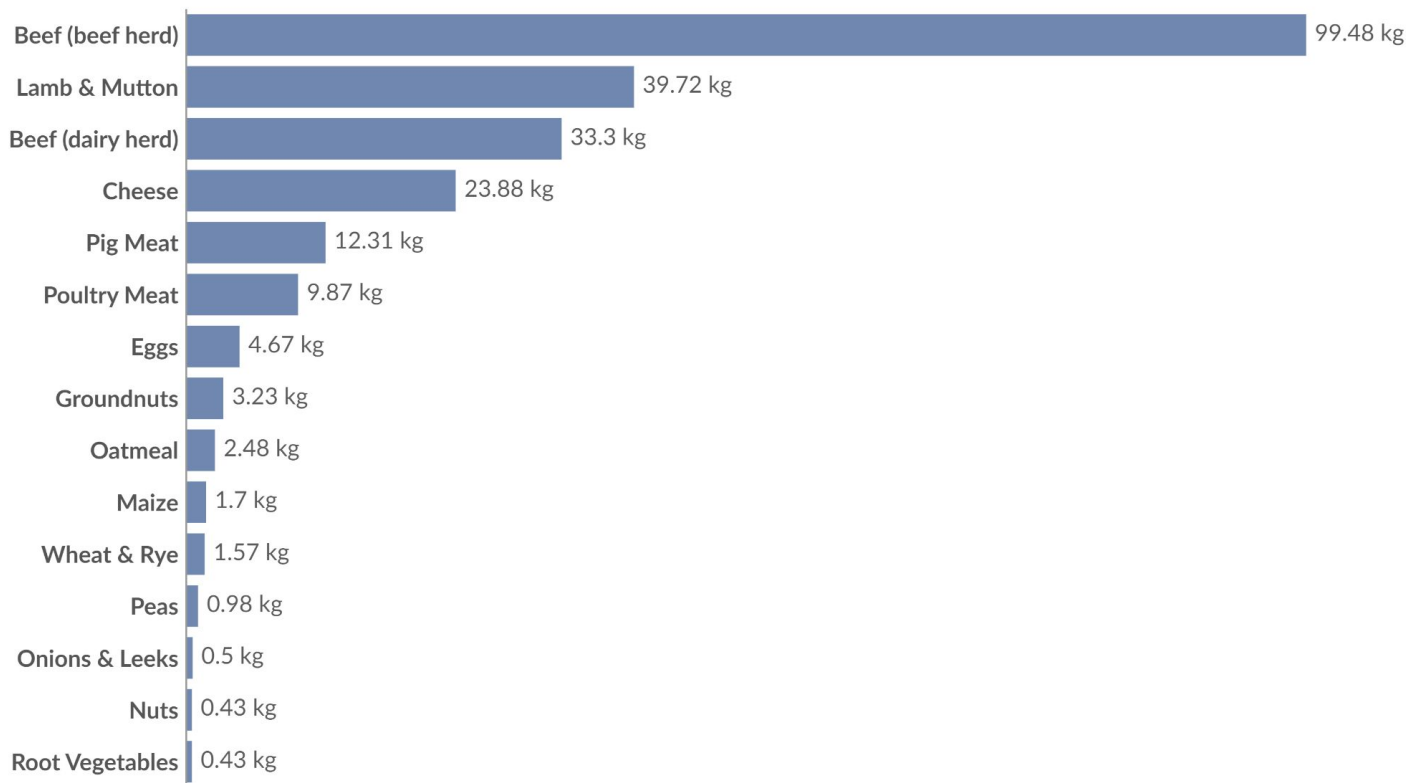
- Large Discrepancy:
 - Developing: 26.6 kg per capita/year
 - OECD: 71,4 kg per capita/year
 - China: 61,98 kg per capita/year
- Trend:
 - Herd Size: Increase 37-46% from 2012 until 2050
 - Food System Incompatible with Paris Climate Agreement
 - Goal of net zero emissions by 2050

Greenhouse Gas Emissions



Crippa, M., Solazzo, E., Guizzardi, D. et al. Food systems are responsible for a third of global anthropogenic GHG emissions. Nat Food (2021). [doi:10.1038/s43016-021-00225-9](https://doi.org/10.1038/s43016-021-00225-9).

Greenhouse Gas Emissions (in Kgs CO₂eq per Kg of food)

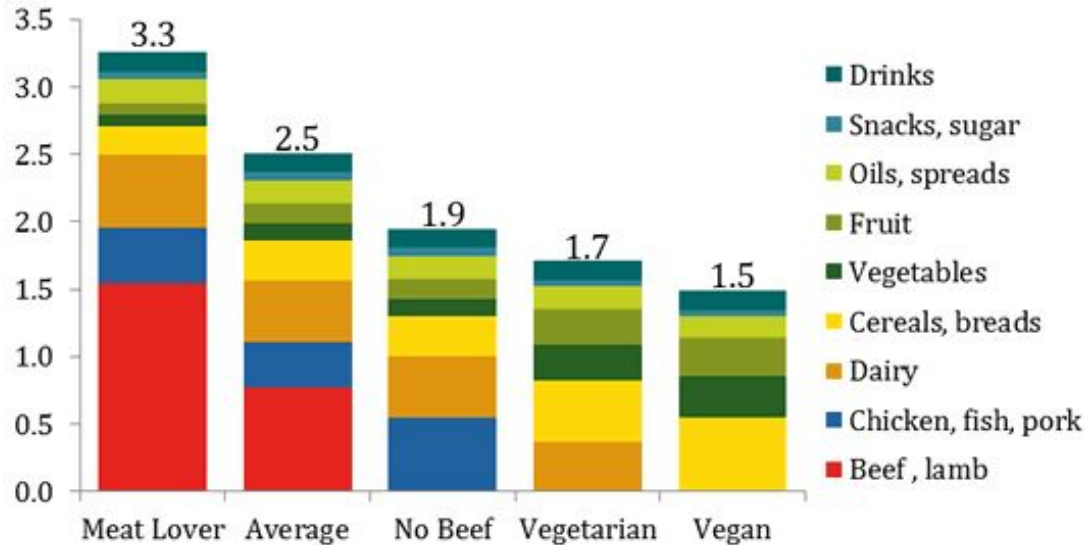


Data source: Poore and Nemecek (2018)

OurWorldinData.org/environmental-impacts-of-food | CC BY

Greenhouse Gas Emissions

Foodprints by Diet Type: t CO₂e/person

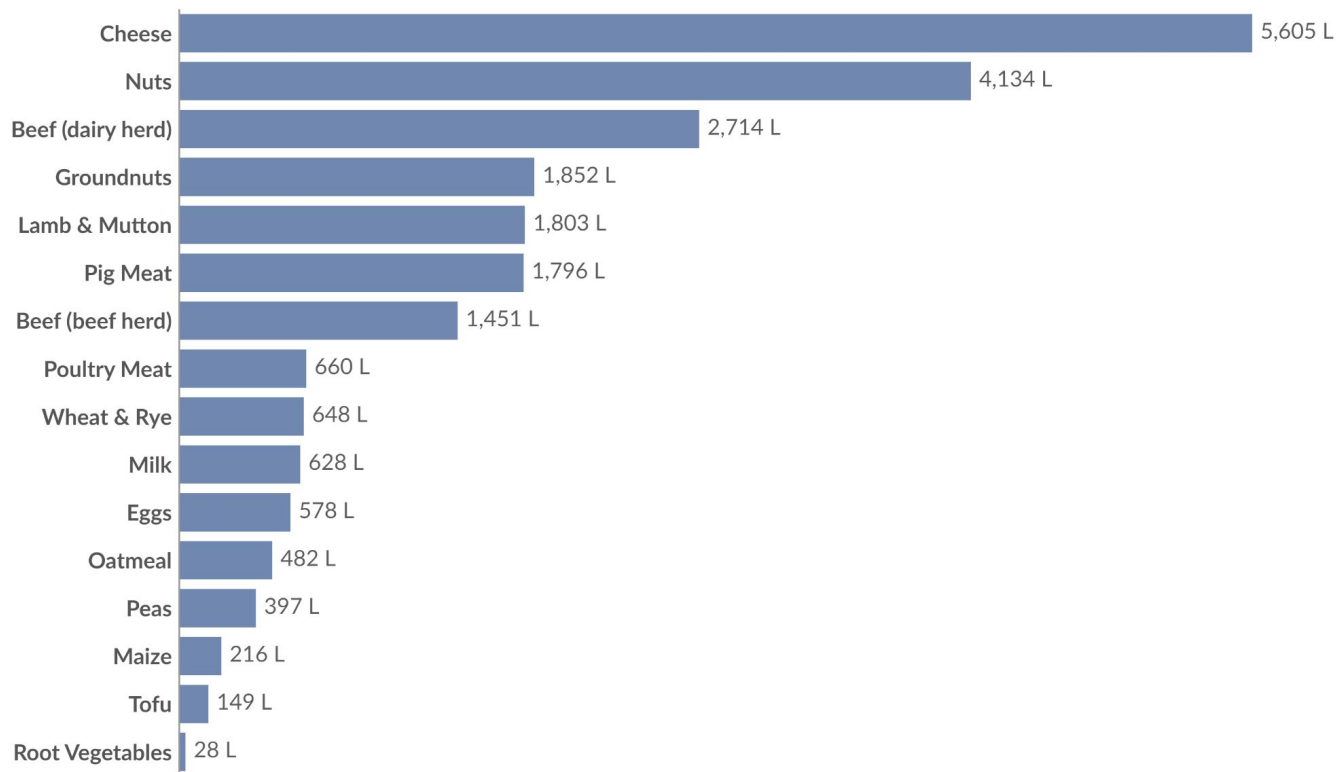


Note: All estimates based on average food production emissions for the US. Footprints include emissions from supply chain losses, consumer waste and consumption.. Each of the four example diets is based on 2,600 kcal of food consumed per day, which in the US equates to around 3,900 kcal of supplied food.

Sources: ERS/USDA, various LCA and EIO-LCA data



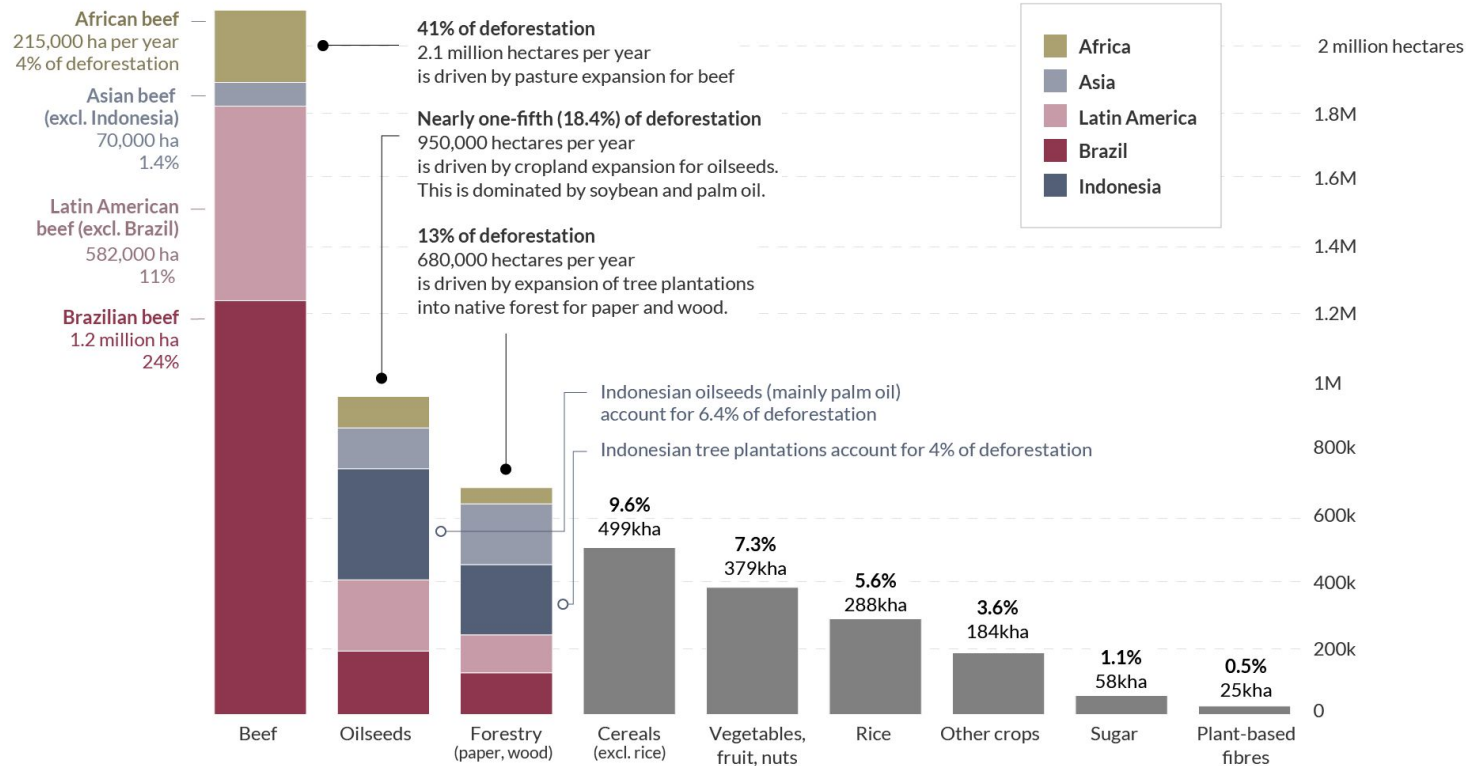
Freshwater Withdrawals (In liters per kilogram of food product)



Data source: Joseph Poore and Thomas Nemecek (2018).

OurWorldinData.org/environmental-impacts-of-food | CC BY

Deforestation (Loss of hectares from 2005-2013)



Data source: Florence Pendrill et al. (2019). Deforestation displaced: trade in forest-risk commodities and the prospects for a global forest transition.

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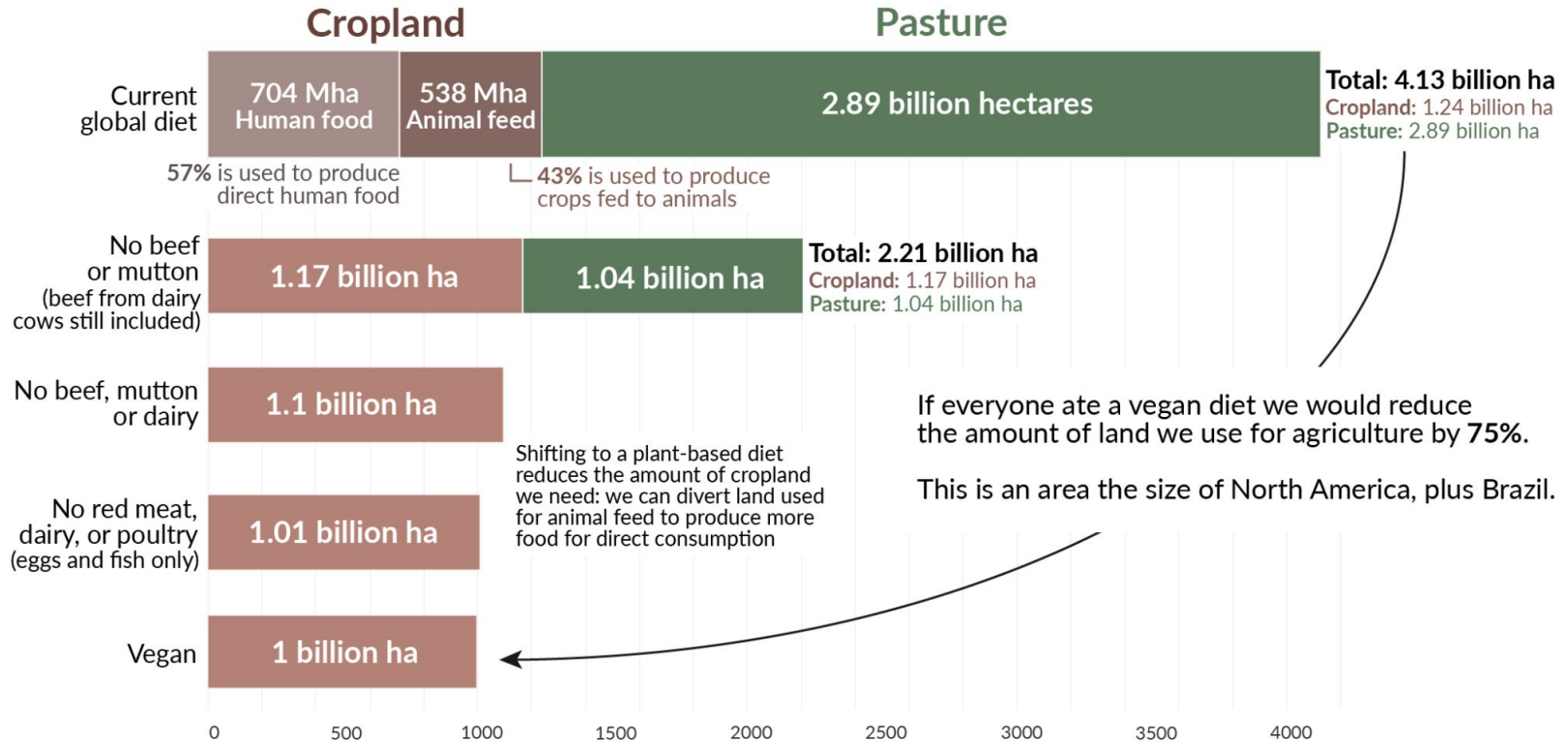
Biodiversity Loss

03 FEB 2021 | PRESS RELEASE | NATURE ACTION

Our global food system is the primary driver of biodiversity loss

Our global food system is the primary driver of biodiversity loss, with agriculture alone being the identified threat to 24,000 of the 28,000 (86%) species at risk of extinction. The global rate of species extinction today is higher than the average rate over the past 10 million years.

Land Use (in million hectares)



Data Source: Joseph Poore & Thomas Nemecek (2018). Reducing food's environmental impacts through producers and consumers. *Science*.

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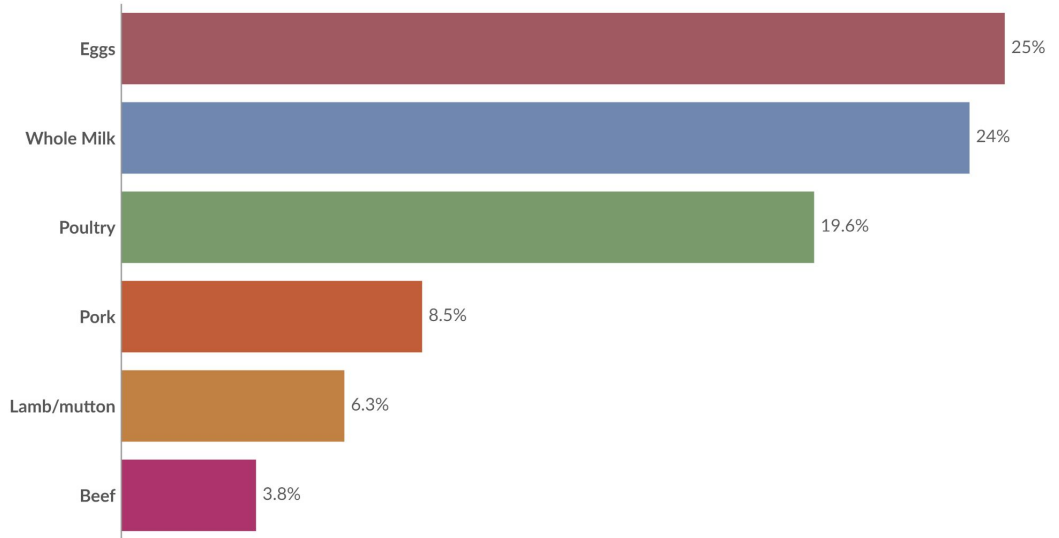
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Food Waste

Protein efficiency of meat and dairy production

Our World
in Data

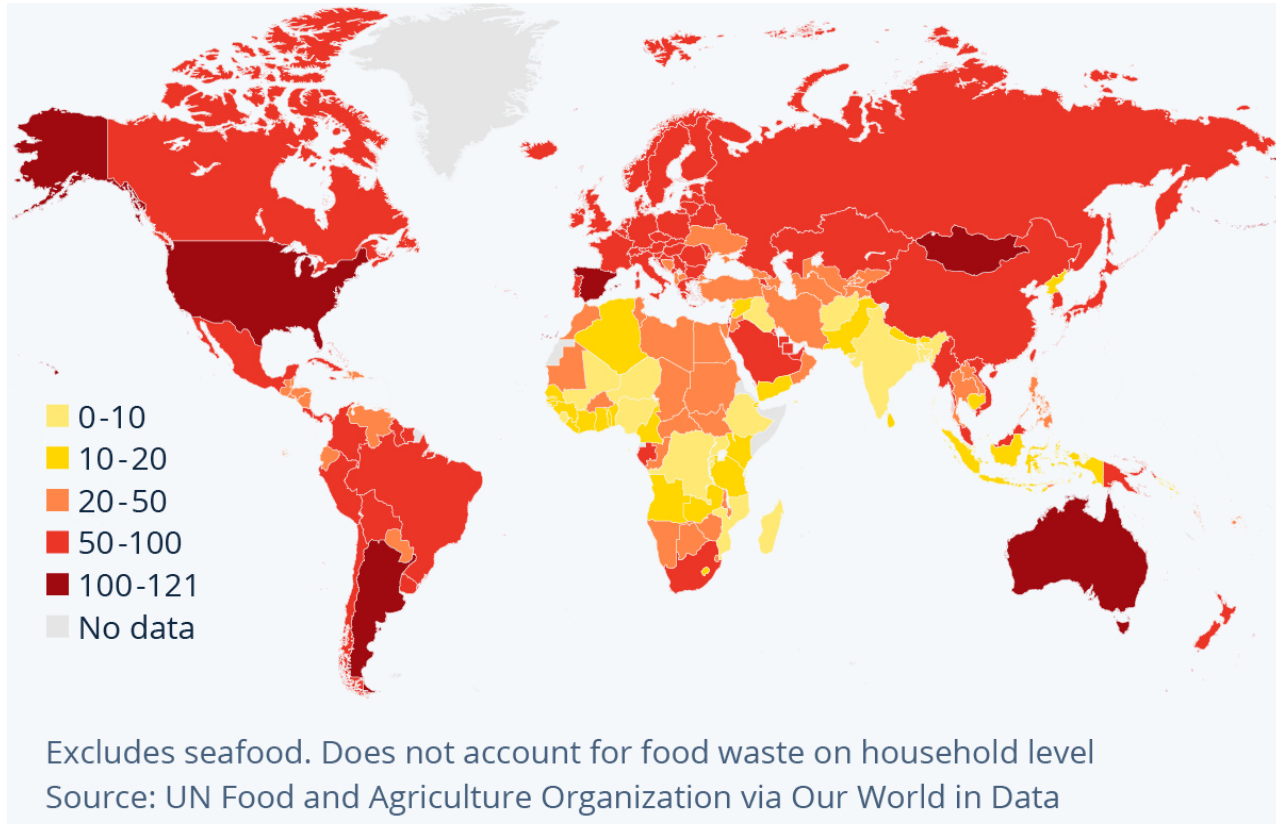
The protein efficiency of meat and dairy production is defined as the percentage of protein inputs as feed effectively converted to animal product. An efficiency of 25% would mean 25% of protein in animal feed inputs were effectively converted to animal product; the remaining 75% would be lost during conversion.



Data source: Alexander et al. (2016). Human appropriation of land for food: the role of diet. Global Environmental Change. OurWorldinData.org/meat-production | CC BY

“If cereals were used for direct human consumption instead of animal feed, an extra 3.5 billion people could be fed.” ~ United Nations Environment Programme

Global Meat Consumption (per capita/year)



Shortage of Finance Loss & Damage Fund

**\$700m pledged to loss and damage fund
at Cop28 covers less than 0.2% needed**

**Money offered so far falls far short of estimated \$400bn in
losses developing countries face each year**



Potential Revenue of Emission Pricing

<i>Agri-Food GHG-Emission Pricing (0,10USD per 100 grams meat)</i>	Per Capita Meat Consumption (annual in kilograms)	Inhabitants per Country (2023)	Total Revenue
OECD	71,4 kilograms	1,385 billion	98,889 billion USD
China	62,0 kilograms	1,409 billion	87,358 billion USD
Combined	66,7 kilograms	2,794 billion	186,247 billion USD

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