

# Livestock and climate justice: challenging policy narratives

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# Current Diets vs Planetary Health Diet

Global



**LIVESTOCK**  
CONTRIBUTES AS MUCH TO  
**CLIMATE CHANGE** **14%**  
AS ALL CARS, TRUCKS,  
PLANES, TRAINS AND SHIPS  
**ON EARTH COMBINED**  
**GREENPEACE**



**The machines can currently print up to 6kg of meat an hour...**  
WORLD ECONOMIC FORUM



IF WE DON'T DO SOMETHING,  
**52% OF CLIMATE EMISSIONS**  
WILL BE FROM **AGRICULTURE** BY 2050  
AND **70% OF THAT WILL BE**  
FROM **LIVESTOCK**  
**GREENPEACE**

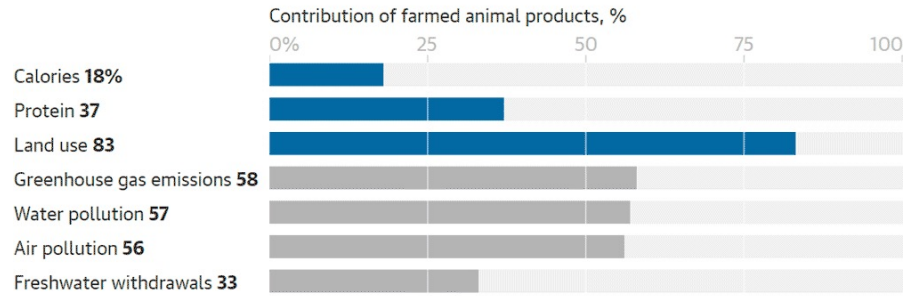
**The Guardian** Culture  
Environment Climate change Wildlife Energy Pollution  
**Farming**  
Avoiding meat and dairy is 'six biggest way' to reduce your in Earth  
Biggest analysis to date reveals huge footprint of livestock provides just 18% of calories but takes up 83% of farmland

**BEYOND MEAT (BYND)**  
208.89 +50.16 [+31.60%] EXT HOURS  
1-YR [74.82%]  
208.89

**CNBC MARKET FLASH**  
**BEYOND MEAT SHARES JUMP FORMING JV WITH PEPSICO**

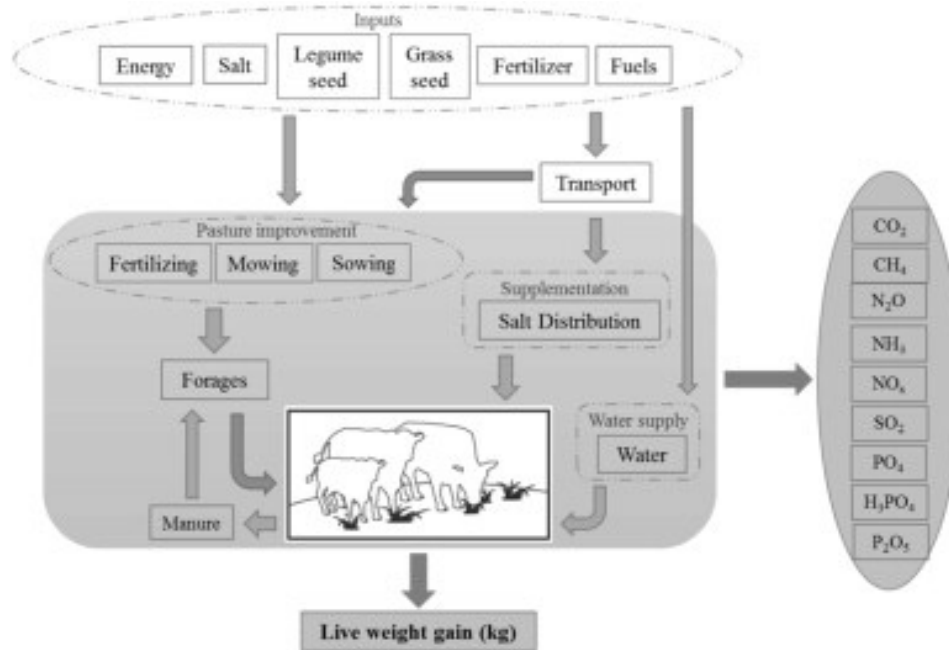
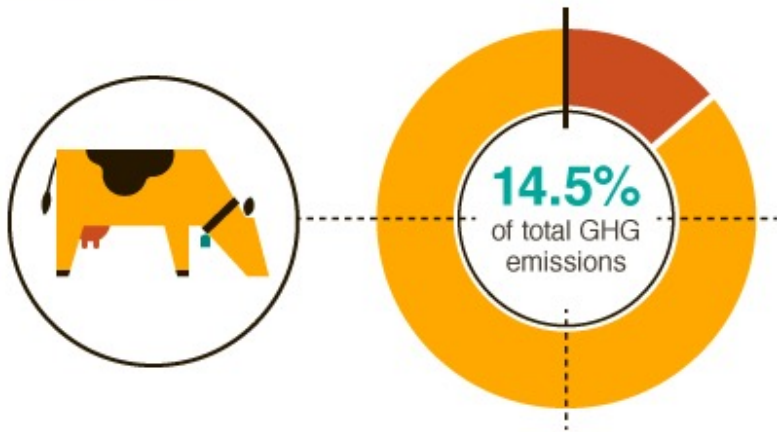


**More than 80% of farmland is used for livestock but it produces just 18% of food calories and 37% of protein**

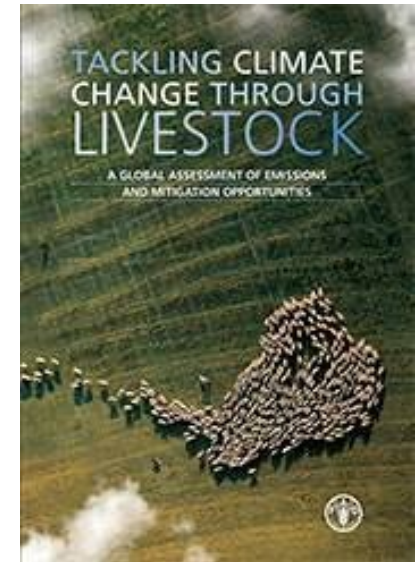


Guardian Graphic | Source: Poore and Nemecek, Science

Livestock contributes **7,100 MtCO<sub>2</sub>e/year** or **14.5%** of total global GHG emissions.



**livestock's long shadow**  
environmental issues and options





# TEN GAPS AND ASSUMPTIONS IN MAINSTREAM ASSESSMENTS



## Data

- Biases in the data
- Default emissions factors
- Greenhouse gas measures

## Systems

- Conceptualising 'efficiency'
- Livestock and the carbon cycle
- Spatial and temporal dynamics
- Ecosystem services

## Baselines and alternatives

- Alternative land uses
- Niche replacement
- Consumer choice and dietary patterns





# PASTRES

Pastoralism, Uncertainty, Resilience

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