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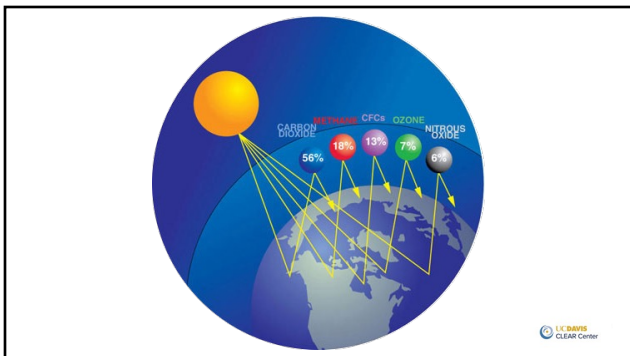
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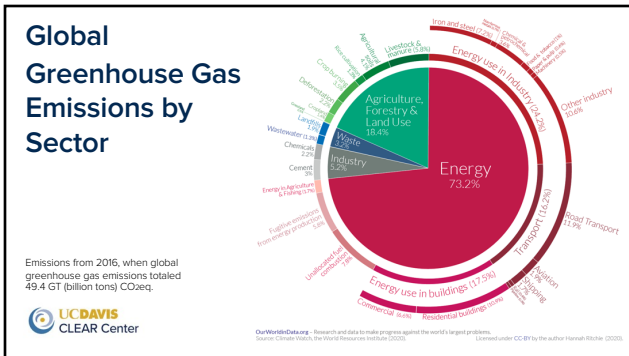
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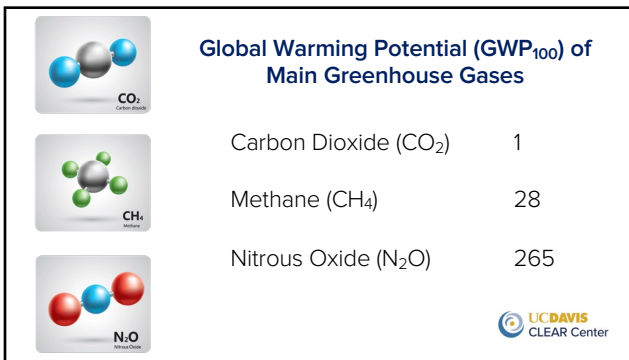
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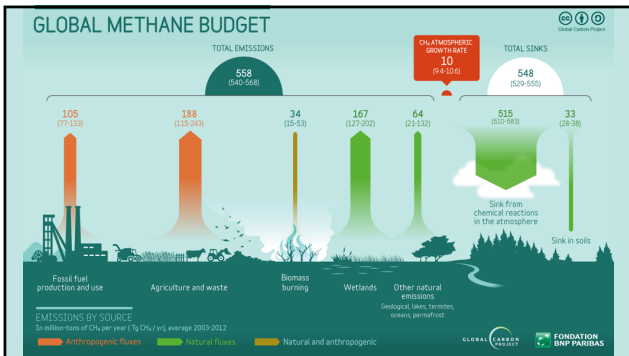
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Half-Life of Main Greenhouse Gases in Years

Carbon Dioxide (CO ₂)	1,000
Methane (CH ₄)	12
Nitrous Oxide (N ₂ O)	110



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CO₂

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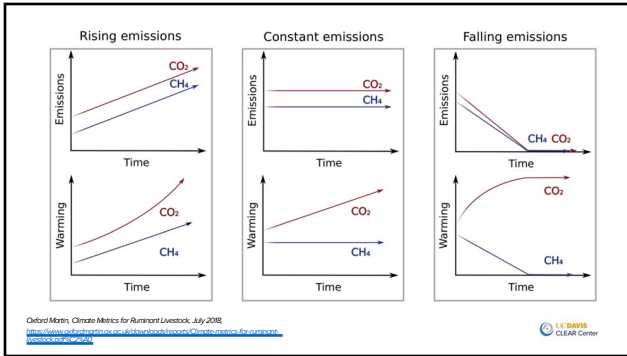
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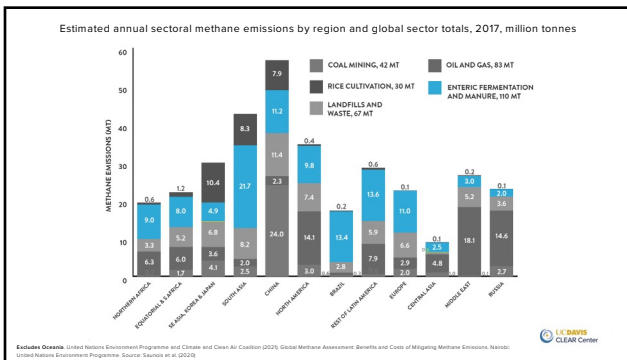
CH₄

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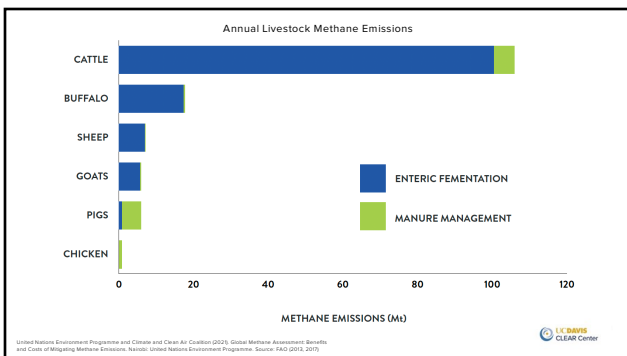
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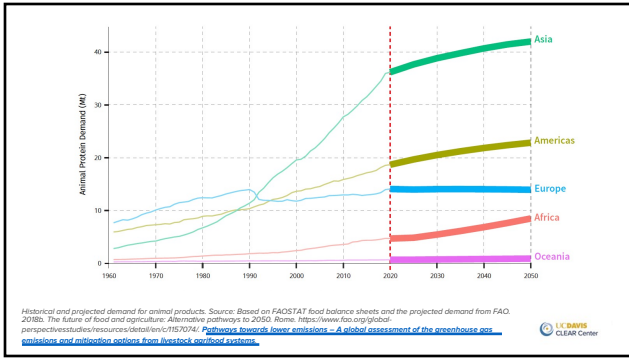
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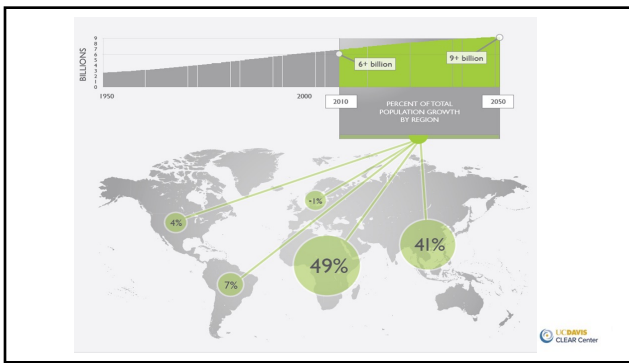
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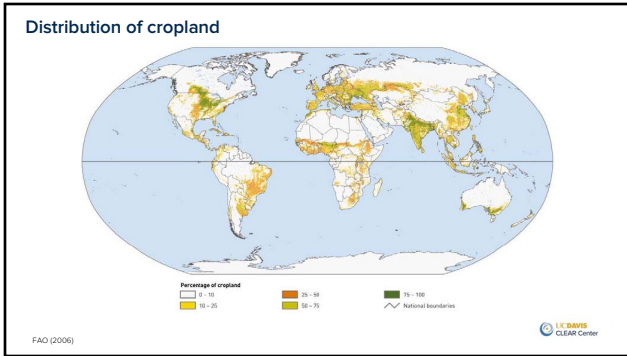
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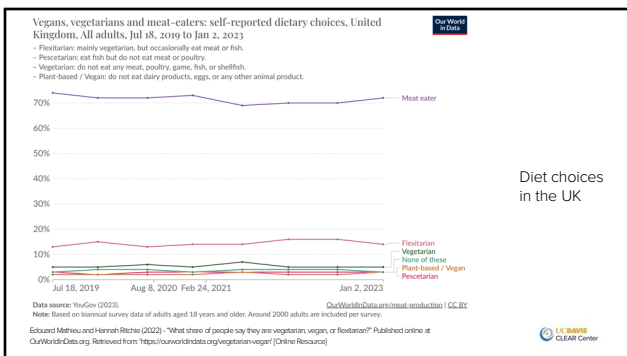
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Green | Greener Living
Eat Less Meat Is Message for Rich World in Food's First Net Zero Plan


- UN's FAO is set to publish plan for food's climate transition
- Food expected to take more focus at COP28 summit in Dubai

By **Amieszka de Sousa**
 November 25, 2023 at 5:00 PM PST

[Save](#)

The world's most-developed nations will be told to curb their excessive appetite for meat as part of the first comprehensive plan to bring the global agrifood industry into line with the Paris climate agreement.

The global food systems' road map to 1.5C is expected to be published by the United Nations' Food & Agriculture Organization during the COP28 summit next month. Nations that over-consume meat will be advised to limit their intake, while developing countries — where under-consumption of meat adds to a protein-poor diet challenge — will need to improve their livestock feeding.



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Food and Agriculture Organization of the United Nations

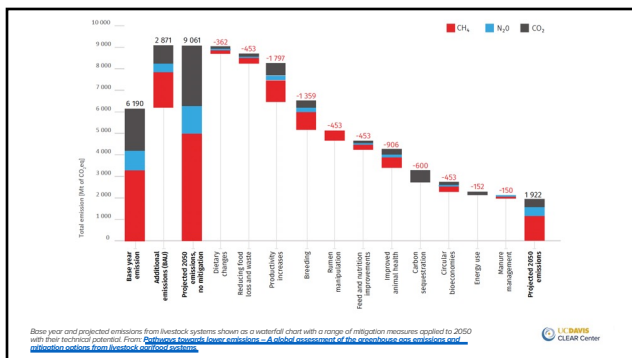
Pathways towards lower emissions
 A global assessment of the greenhouse gas emissions and mitigation options from livestock agrifood systems



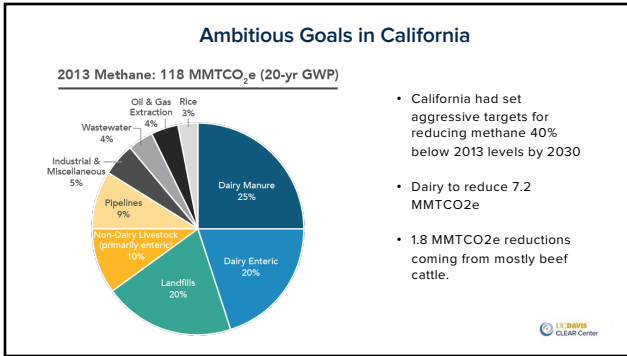

ucdavisclear.co/foopathways



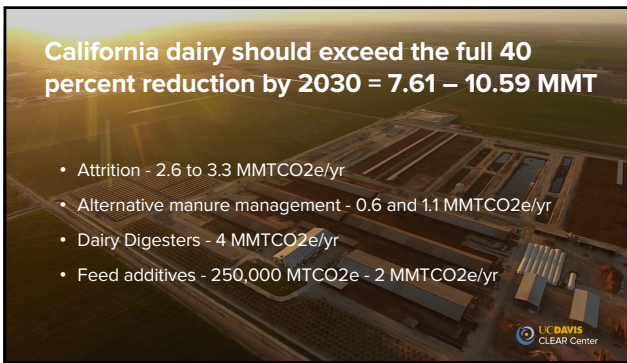
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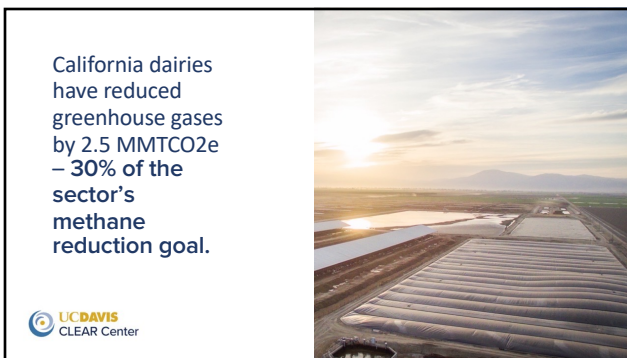
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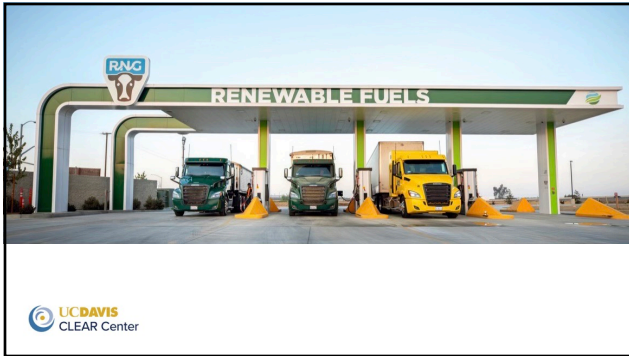
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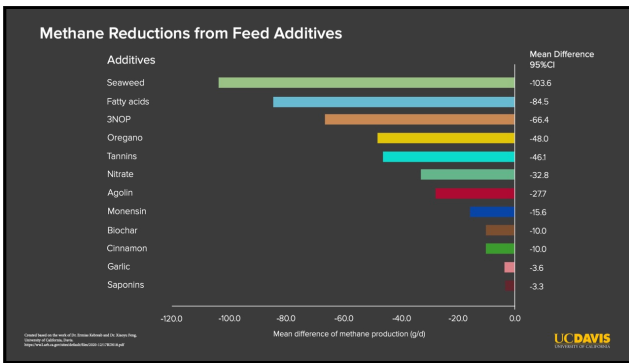
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Whitepaper highlighting benefits of incentive-based policies in GHG reductions

Use your cellphone camera to scan the QR code and take you to the article.

<https://bit.ly/pathwayclear>

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Journal of Dairy Science
 Volume 105, Issue 12, December 2022, Pages 9297-9326

Review
Invited review: Current enteric methane mitigation options

Karen A. Beuchemin¹, Emilio M. Ungerfeld², Adibe L. Abdalla¹, Clementina Alvarez⁴, Claudia Arndt¹, Philippe Bequet⁶, Chaouki Benchaar⁷, Alexandre Berndt⁸, Rogerio M. Mouricio⁹, Tim A. McAllister¹⁰, Walter Oyhantsohal¹⁰, Saheed A. Salami¹¹, Laurence Shalloo¹², Yan Sun¹³, Juan Tricarico¹⁴, Almable Uwizeye¹⁵, Camillo De Camillis¹⁶, Martial Bernoux¹⁶, Timothy Robinson¹⁷, Ermias Kebreab¹⁷

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<https://doi.org/10.3168/jds.2022-22091> Get rights and content

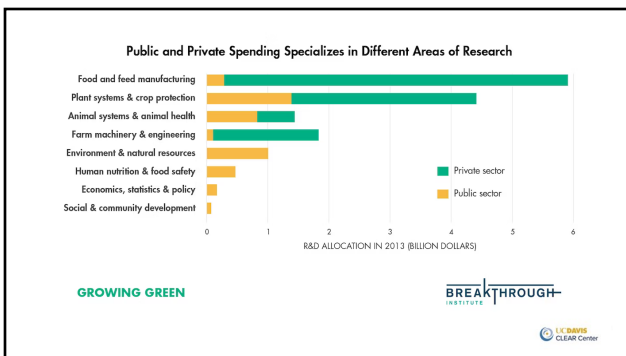
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- Increased Animal Productivity
- Selection of Low-Methane Animals
- Diet Reformulation
- Forages
- Action on Rumen Fermentation
- Early State Mitigation Strategies

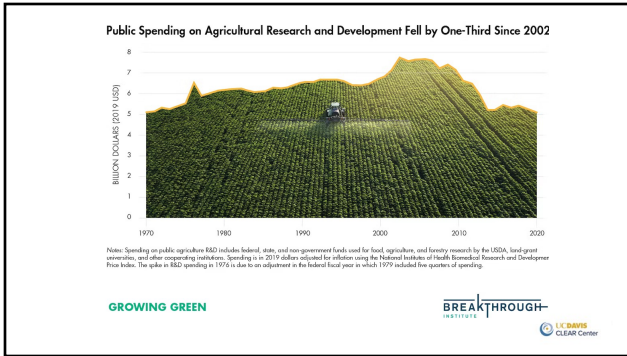
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- Consumption is expected to increase in developing regions and stay near stable in developed regions
- To reduce emissions, we need a toolbox of solutions
- We need to increase public and private research funding for livestock climate solutions

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clear.ucdavis.edu — a resource **for you** on animal agriculture and sustainability

Topical Explainers
Articles that explain a topic or concept. For example, "What is a dairy digester?"

Blogs
Like op-eds, our blog offers perspective and context to topics around animal agriculture.

News Stories
News-style articles that highlight research and CLEAR Center news.

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Thank you **clear.ucdavis.edu**

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