

★ OPENING THOUGHTS

● Energy efficiency on farms

● Permanence

GLOBAL WARMING METRICS

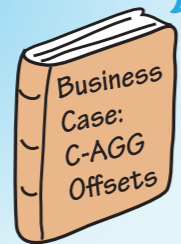
100 Years? TIME HORIZON



How do we get more producers to participate and reduce the cost of verification?

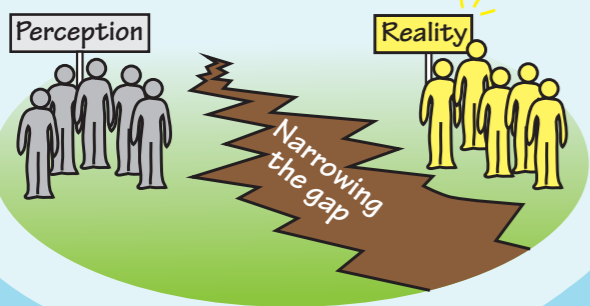
How much data do we need?

Credit Stacking?



C-AGG BUILDS TRUST

Diverse Ideas & Perspectives



★ GOV. JERRY BROWN'S PLAN

• Ken Alex

CA produces over 400 crops



Leading producer



Sustainable community development - don't build on the best farmland in the world.



AG will be included as possible sink for the state

Short lived climate pollutants



Methane from dairies

Role of healthy soil

CA is 7th largest economy in the world, but no seat at the table

Think about what needs to happen in Paris...



Price signal must increase to move CA forward

★ LIFE CYCLE ASSESSMENT

• Dr. Alissa Kendall, UC Davis

Research on almond crops

Continue conversation around Permanence

Focus of research: life-cycle assessment of almond production

Carbon footprint provides an annual snapshot of emissions

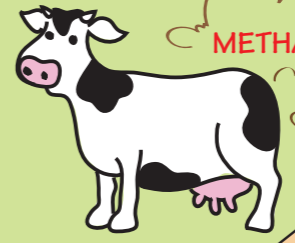
Our current static LCA model isn't working...
...it doesn't factor in TIMING.

TODAY 20 years

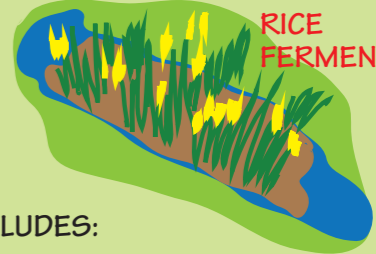
100 years

★ SHORT-LIVED CLIMATE POLLUTANTS

• Ryan McCarthy, ARB



METHANE



RICE FERMENTATION



Developing a CA road map for managing methane going forward

INCLUDES:

- ★ An increase in anaerobic digestors on dairies
- ★ Steps to make process cost effective (including state subsidies)

★ WATER QUALITY & CARBON TRADING

• Panel Presentation

It's time to stop debating academic arguments for and against stacking, and put it into practice to understand who will take issue with it.



- Value
- Controversy
- Opportunity