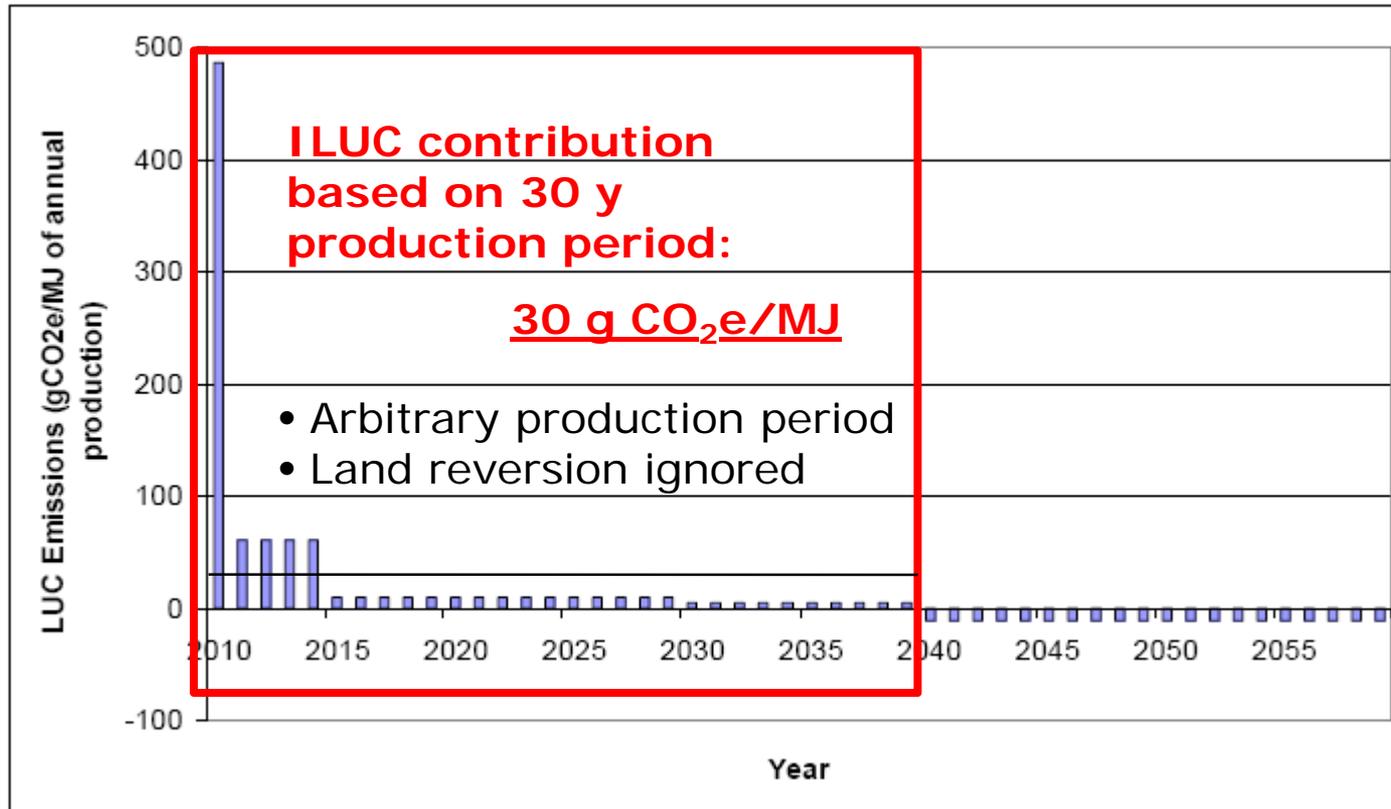


# The Methodological Challenge of **Converting Land Use Change Results from Economic Models to GHG emissions**

Land-Use Change and Bioenergy Workshop  
May 2009 - Tennessee, USA

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Kløverpris

# CARB's ILUC Contribution to GHG Emissions



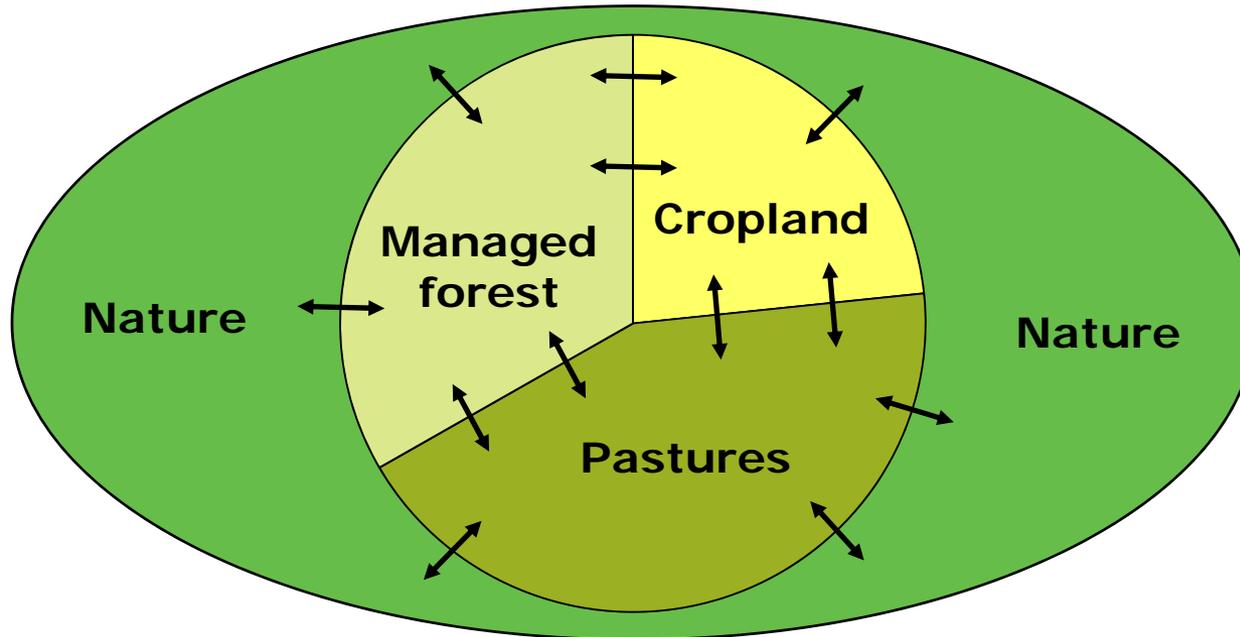
California EPA (2009): Proposed Regulation to Implement the Low Carbon Fuel Standard (Fig. C4-3)

## We need to consider

- the time aspect of GHG emissions (but not by arbitrary discount rates)
- the additional ILUC impacts of biofuels

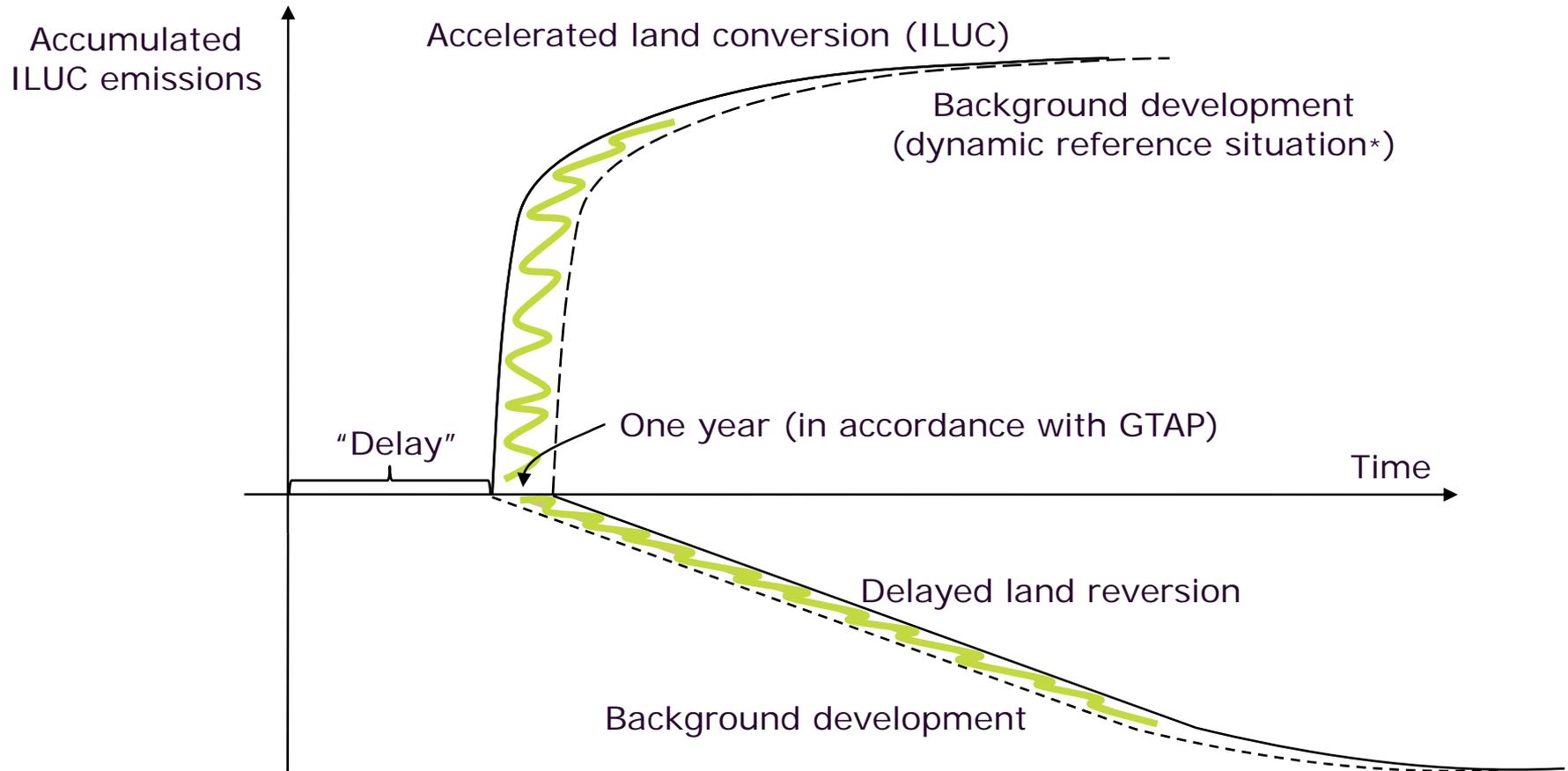
## We live in a **Dynamic World**

- Increasing world population → increasing demand for land
- Increasing crop yields → decreasing demand for land
- Etc.



- ILUC from biofuels must be seen in the perspective of the background development in global land use

# Additional ILUC Impacts from Biofuels



- Additional impact based on background development
- No arbitrary choices

The background features several thick, flowing, curved lines in shades of gold and olive green. These lines sweep across the frame, creating a sense of movement and elegance. The lines are layered, with some appearing in front of others, adding depth to the composition. The overall aesthetic is clean and modern, with a focus on organic, fluid shapes.

**Thanks**