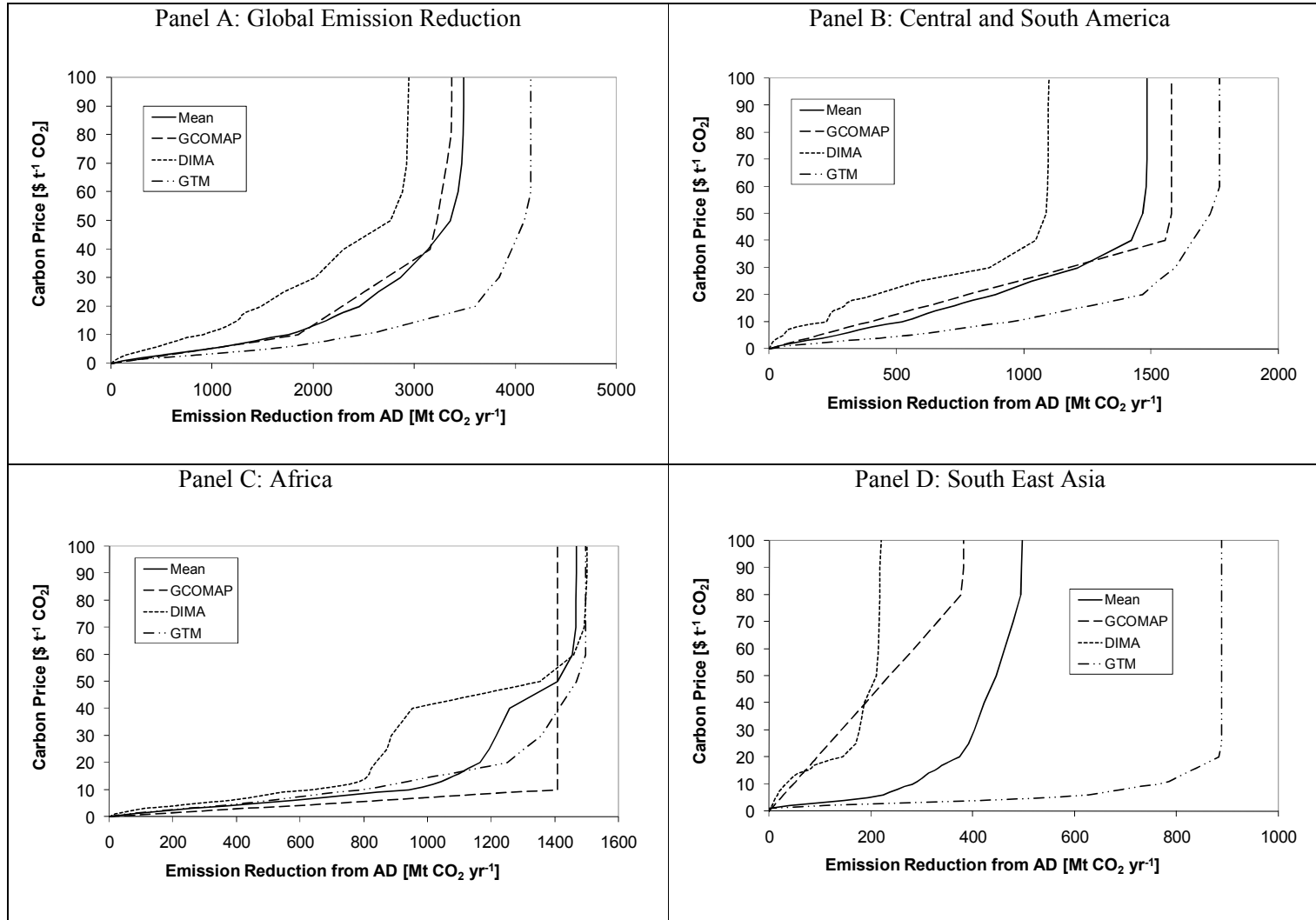


Comparison of Three Global Models

Michael Obersteiner, Jayant Sathaye, Brent Sohngen

Regional marginal cost estimates - 2020



Reasons for differences across models and regions.

- Baseline deforestation rates differ

	Central & South America	Africa	SE Asia	Global
Million ha yr ⁻¹ (Gt CO ₂ - yr ⁻¹) for 2005 - 2030				
GTM	4.84 (1.86)	4.58 (1.72)	2.23 (1.07)	11.65 (4.69)
DIMA	3.62 (1.15)	4.98 (1.61)	1.14 (0.31)	10.60 (3.22)
GCOMAP	4.31 (1.57)	5.99 (1.37)	1.90 (0.38)	12.20 (3.31)

Reasons for differences across models and regions.

- Carbon per hectare and total forest hectares differ.

	Central & South America	Africa	SE Asia
	tC/ha (Million ha)		
GTM	106 (913)	100 (352)	132 (202)
DIMA	86.4 (842)	87.7 (684)	74.7 (181)
GCOMAP	97.2 (965)	54.6 (650)	48 (286)