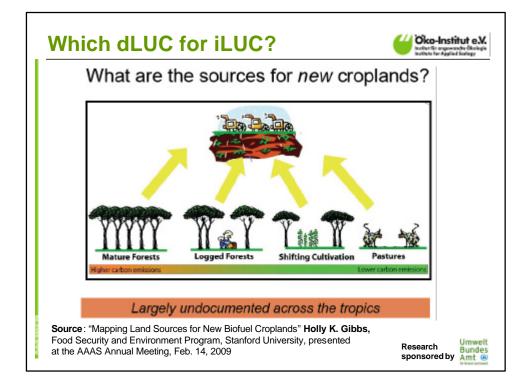
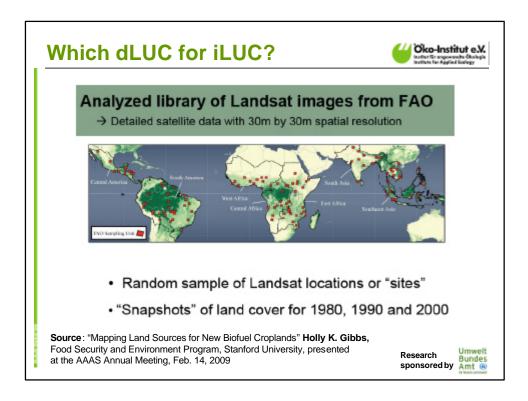
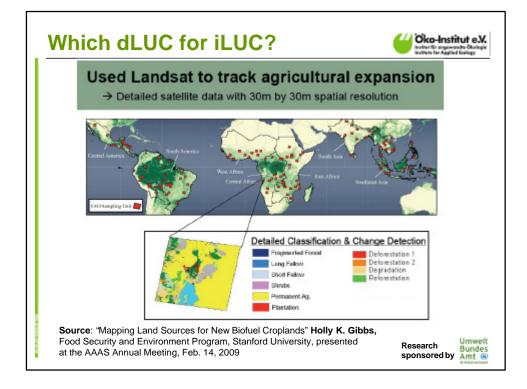
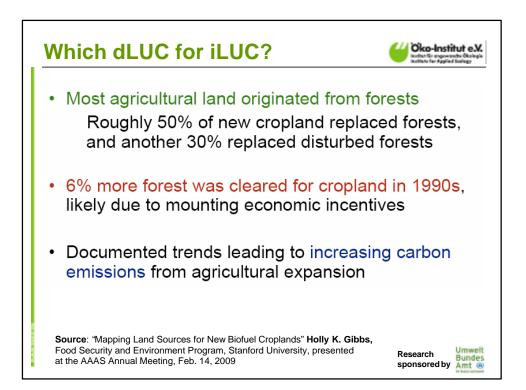


Accounting for CO ₂ from indirect LUC using the "iLUC factor to extend life-cycle GHG balance of biofuels*							
		alance		0013			
	kg CO _{2eg}	kg CO _{2ed} /GJ with iLUC factor			relative to fossil diesel/petrol		
Biofuel, incl. allocation	max	med	min	max	med	min	
Rapeseed to RME, EU	260	188	117	201%	118%	359	
Palm oil to PME, Indonesia	84	64	45	-3%	-25%	-489	
Sugar cane to EtOH, Brazil	48	42	36	-44%	-52%	-599	
Corn to EtOH, USA	129	101	72	50%	17%	-169	
Wheat to EtOH, EU	144	110	77	67%	28%	-119	
SRC/switchgrass to BtL, EU	109	75	42	26%	-13%	-519	
Source: own calculations SRC = short-rotation coppice; Btl	_ = biomass-to	-liquid, i.e. Fis	cher-Trops	ch synthetic diese	1	1. 	









Further Work



- Derive 2010 estimate for iLUC factor (late 2009)
- Better understanding of dLUC characteristics of displacement: e.g., Gibbs (2009) mapping of past LUC (1980-2000) → revise iLUC factor?
- "Risk mapping": identify potential countries/areas under thread of iLUC using CGE model results (GTAP etc.) + suitability maps + infrastructure + biodiversity/carbon maps (Oeko-Institut case studies in BR, CN, IN, ZA)
- More research beyond EU (with UNEP, GBEP): include developing countries views
 Research sponsored by American Countries views

