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Supplementary Materials

Article: "Methods to assess the impacts and indirect land use change caused by telecoupled agricultural supply chains: a review".

Table S1. Additional information of input-output databases mentioned in the main text.

Abbreviation	Full name	General description	Main references
EoRA	EoRA (no abbreviation)	Global database of high resolution multi-region input-output tables coupling economic data with environmental and social data. Considers 190 countries and 15909 industrial sectors. Time series for 1990-2015.	[1] [2,3]*
GTAP	Global Trade Analysis Project (GTAP)	Global input-output database to represent consumption, production and international trade for 140 countries and 57 industrial sectors for the years 2004, 2007, 2011 and 2014. Earlier years available but with variable amount of data and detail. It couples environmental data.	[4] [2]*
EXIOBASE	EXIOBASE (no abbreviation)	Global environmentally extended multiregional input-output database for 43 countries and 163 industrial sectors for the years 2000 and 2007.	[5] [2,3]*
WIOD	World Input-Output Database	Global database of inter-country input-output tables covering 56 industrial sectors from 43 countries. Yearly data for 1995-2014. It incorporates socio-economic and environmental accounts	[6] [2,3]*

* References [2] and [3] are scientific articles comparing different input-output databases.

Table S2. Additional information of land use models mentioned in the main text.

Abbreviation	Full name	General description	Main references
CLUMondo	Conversion of Land Use on Mondial Scale	Spatially explicit land system change model to simulate future changes to land use, land cover, and land management. Based on land systems approach. Makes emphasis on land use intensity and livestock systems.	[7] [8–10]*
GLOBIOM	Global Biosphere Management Model	Global dynamic partial equilibrium model that simulates the competition between the largest land-based production sectors (agriculture, bioenergy and forestry) for land in a spatial explicit manner.	[11] [8–10]*
IMAGE	Integrated Model to Assess the Global Environment	Spatially-explicit global dynamic integrated assessment model to simulate changes generated by the interaction of social, economic and environmental factors.	[12] [8–10]*
MagPIE	Model of Agricultural Production and its Impact on the Environment	Global spatially explicit land use optimization model that combines economic and biophysical data to simulate land use change scenarios.	[13] [8–10]*

* References [8–10] are scientific articles comparing different land use models.

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