

Table 2. Text inputs as comma separated value files (these have been accessed in June 2018 unless noted otherwise)

Data	Details	Source^a
87 economic regions	Tabular, GTAP Land Use Database, Release 2.1	Lee et al., 2005; Lee et al., 2009; Monfreda et al., 2009; https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=1900
Land rent for 13 use sectors	Tabular, 87 regions by 18 AEZs, GTAP Land Use Database, Release 2.1	Lee et al., 2005; Lee et al., 2009; Monfreda et al., 2009; https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=1900
FAO 235 countries	Tabular, with some added countries to match the VMAPO data, there are two input files containing these data: one maps the countries to the economic regions and the other maps the countries to the raster country data	http://faostat.fao.org/ ; accessed Aug 2013
Geographic Land Unit (GLU) list	Thematic codes and names for the GLU raster data	Developed for the water module of the Global Change Assessment Model, aggregated from a 1/8-degree global watershed data set
GCAM region list	Names and integer codes for GCAM regions, used in some diagnostics	GCAM
Country to GCAM region mapping	Cross-reference table mapping FAO countries to GCAM regions	FAO country and GCAM region data

HYDE3.2.000 list	Thematic codes and names for HYDE3.2.000 raster data	Klein Goldewijk et al., 2017; ftp://ftp.pbl.nl/hyde/hyde3.2/2017_beta_release/
Land cover to land use mapping	Cross-reference table mapping land cover to potential vegetation and land use	Land cover, land use, and potential vegetation data
GTAP product use list		Lee et al., 2005; Lee et al., 2009; Monfreda et al., 2009; https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=1900
175 crop to FAO crop and GTAP use mapping	Cross-reference table mapping 175 crops to FAO crops to GTAP use	175 Crop, FAO crop, and GTAP use data
FAO production data	Tabular, up to 169 crops, 1997-2007	http://faostat.fao.org/ ; accessed Aug 2013
FAO yield data	Tabular, up to 160 crops, 1997-2007, for diagnostics only	http://faostat.fao.org/ ; accessed Aug 2013
FAO harvested area data	Tabular, up to 161 crops, 1997-2007, for year recalibration only	http://faostat.fao.org/ ; accessed Aug 2013
FAO Crop producer prices data	Tabular, up to 205 crops, 1997-2007	http://faostat.fao.org/ ; accessed Aug 2013
USD-year conversion list	Factors to convert input FAO 2005 USD to output 2001 USD	Derived from consumer price index centered at 1982-1984

Potential vegetation list	Thematic codes and names for potential vegetation raster data	Ramankutty and Foley, 1999; http://www.earthstat.org/data- download/
Vegetation carbon density for potential vegetation	Average vegetation carbon densities for the potential vegetation types	Literature review
Soil carbon density for potential vegetation	Average soil carbon densities for the potential vegetation types	Literature review