

ARGENTINA

Indicators	Description	Source
Agricultural indicators		
Production of soy (t)	Soy production per department, in tonnes (metric tons).	Soy crop area for South America provided by the University of Maryland GLAD team (https://glad.umd.edu/).
Soy yield (t/ha)	Average departmental soy yield per year in tonnes per hectare.	Ministry of Agroindustry, Argentina (https://datos.agroindustria.gob.ar/dataset/estimaciones-agricolas).
Product	Specific soy product, aggregated into bean, oil or cake.	Per-shipment trade data (see SEI-PCS Argentina soy v 1.0 data sources and methods document).
Environmental indicators		
Territorial deforestation (ha)	Total deforestation in hectares per department for a given year in the Chaco.	Deforestation maps derived from land use maps provided by Humboldt University of Berlin (HBU).
Soy deforestation (ha)	Total area of deforestation (in hectares) per department that will become soy over the next five-year period. Calculated by comparing per-pixel annual deforestation and soy crop maps. Historical conversion factors of natural vegetation into soy are used to estimate soy deforestation in the last 5 years of the available time series. Available only for the Chaco.	Soy crop area identified from data supplied by the University of Maryland GLAD team (https://glad.umd.edu/). Territorial deforestation (see above).
Soy deforestation risk (ha)	Soy deforestation risk (hectares) is the deforestation for soy that is allocated to the actors along the supply chain in proportion to the volume of soy that they export from a given department, relative to the total production of soy (by all producers) in the same department. Deforestation risk for a given year of export is based on deforestation for soy that occurred in the previous five years, during which time the soy that is being exported was planted and harvested. Available only for the Chaco.	Soy crop area for South America provided by the University of Maryland GLAD team (https://glad.umd.edu/). Territorial deforestation data (see above).

Land based carbon dioxide emissions (t CO ₂ /year)	Carbon dioxide emissions (tonnes of CO ₂ per year) attributable to territorial deforestation, including from above and below-ground biomass and litter. Available only for the Chaco.	Baumann et al. (2017) (https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.13521). Territorial deforestation (see above).
Socio-economic indicators		
Human development index (number from 0-1)	Human development index by province in 2016.	UNDP (https://www.undp.org/content/dam/argentina/Publications/Desarrollo%20Humano/ARGentina-PNUD-INDH%202013.pdf).
Sustainable development index (number from 0-1)	Sustainable development index by province in 2016 where a score closer to 1 refers to greater social inclusion (e.g. poverty, employment), economic growth (e.g. income) and environmental sustainability (e.g. CO ₂ emissions).	UNDP (http://www.ar.undp.org/content/dam/argentina/Publications/Desarrollo%20Humano/PNUDArgent-Press%20Kit%20INDH%202017_05.02.pdf).
Actor commitments		
Forest 500 score	Score for companies' deforestation commitments according to Global Canopy's Forest 500 assessments.	Global Canopy's Forest 500 score (http://forest500.org/).
Zero-deforestation commitment	Commitments traders have made to zero deforestation across their global supply chains.	Commitments made public on company websites and data collated by the Forest 500 (http://forest500.org/).
Soy traded under zero-deforestation commitment (%)	Percentage of the exported soy that is exported by a trader with a zero-deforestation commitment per department. This includes traders with commitments to zero deforestation across their global supply chains.	Commitments made public on company websites and data collated by the Forest 500 (http://forest500.org/).
Round Table on Responsible Soy (t)	Volume of soy (tonnes) produced per department that was certified according to the Round Table on Responsible Soy (RTRS) Standard for Responsible Soy Production. No conversion of natural vegetation is permitted after June 2016 under the RTRS Principles and Criteria.	RTRS (www.responsiblesoy.org).
Contextual layers		
Protected areas	Protected areas including National and Provincial protected areas, Biosphere and National Defence Reserves, and Ramsar sites.	Administración de Parques Nacionales, Argentina (https://mapas.parquesnacionales.gob.ar/maps/?limit=100&offset=0).
Deforestation polygons	Deforestation areas in the Chaco.	Deforestation maps derived from land use maps provided by Humboldt University of Berlin (HBU).
Provinces	Boundaries of the provinces of Argentina	Instituto Geográfico Nacional (IGN) department boundaries (2016) (https://www.ign.gob.ar/).
Biomes	Boundaries of ecoregions of Argentina.	The Nature Conservancy (http://maps.tnc.org/gis_data.html).

Geocodes	Spatial codes given to departments, in the format AR-XXXXX.	Instituto Geográfico Naconal (IGN) department boundaries (2016) (https://www.ign.gob.ar/).
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