

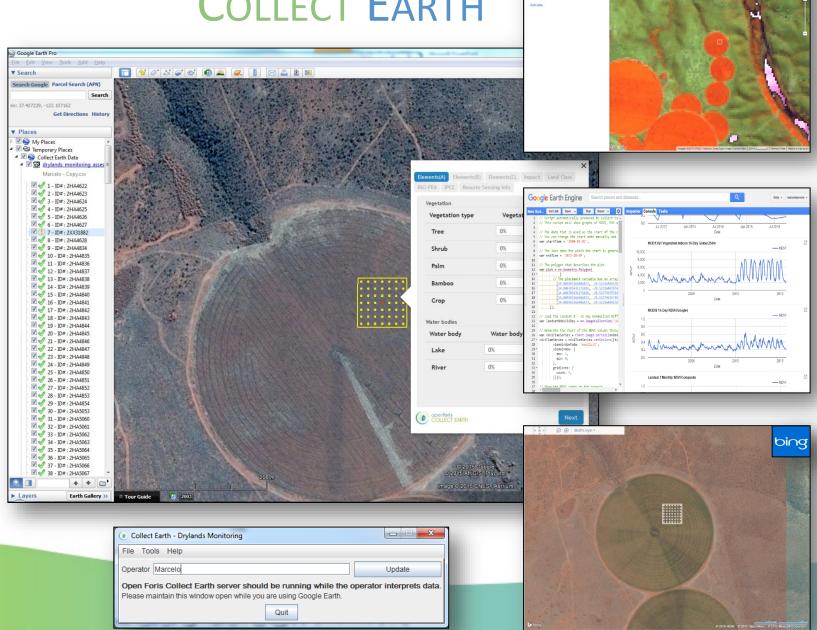


LAND REPRESENTATION BY COLLECT EARTH THE ADD-ON WITH IPCC INVENTORY SOFTWARE

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GFOI Plenary 9-11 May 2023, Rome and online

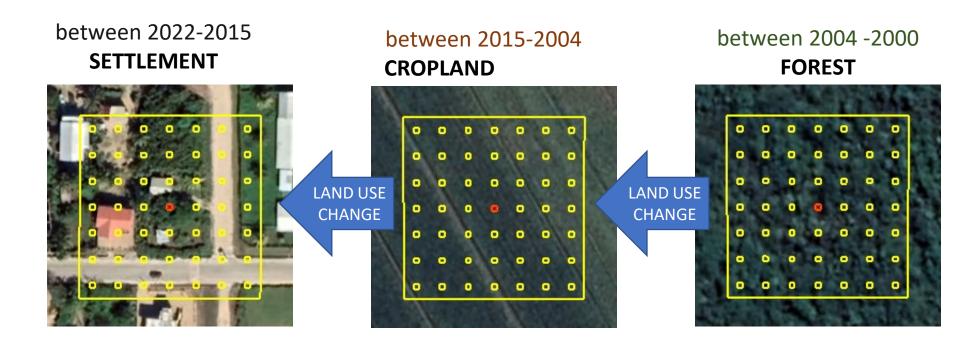
COLLECT EARTH



Google Earth Engine Searth Places or Key

Earth Engine

CONSISTENT LAND USE TIME-SERIES



In Collect Earth the analysis is done starting from the present. Then the user needs to assess if there was LU changes. Each plot is a potential reporting line within the GHGs inventory

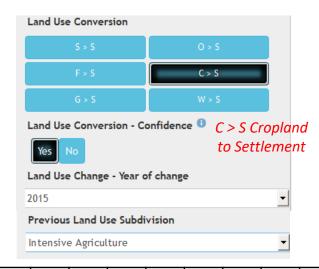
CONSISTENT LAND USE TIME-SERIES

PRESENT (between 2022-2015)

SETTLEMENT

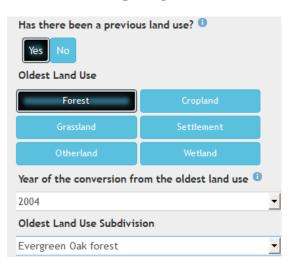


between 2015-2004 CROPLAND

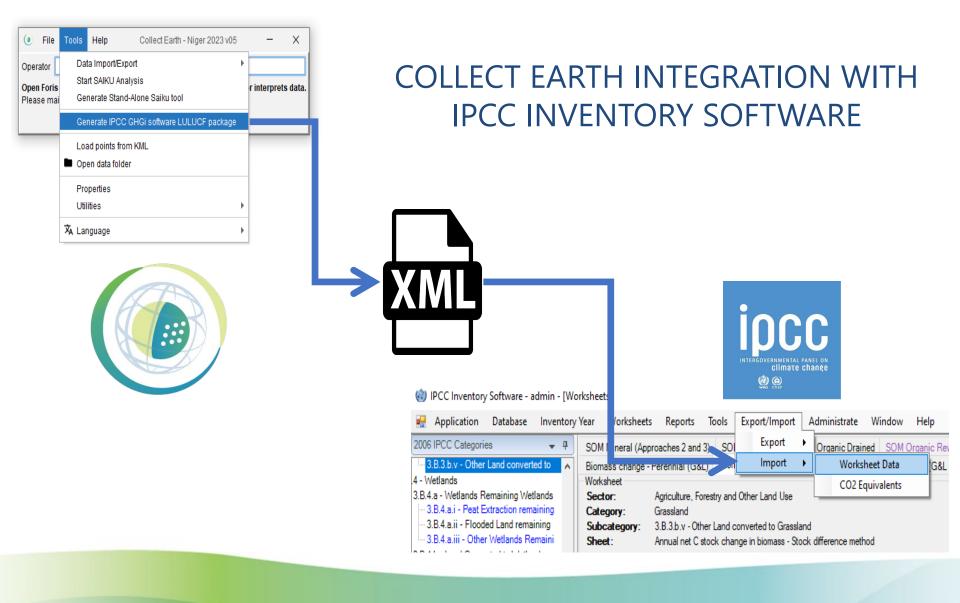


between 2004 -2000

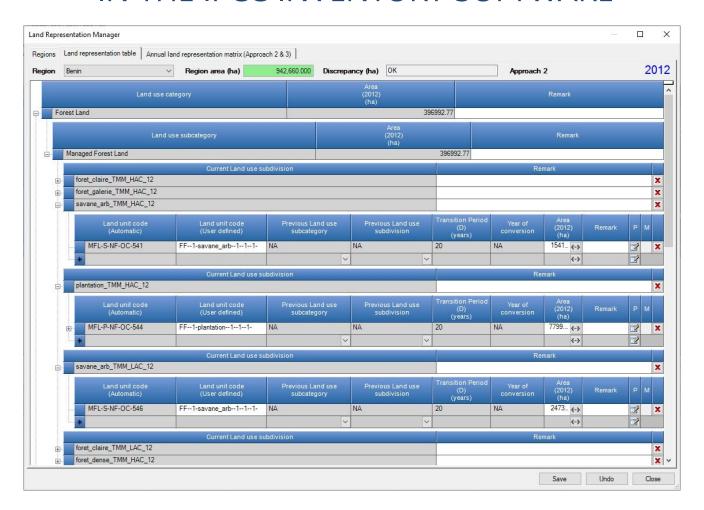
FOREST



| LU |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2022 | 2021 | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 |
| S | S | S | S | S | S | S | S | С | С | С | С | С | С | С | С | С | С | С | F | F | F | F |



DIRECT COMPILATION OF THE LAND REPRESENTATION IN THE IPCC INVENTORY SOFTWARE



IPCC Land Representation Manager

EXAMPLE OF AN ANNUAL LAND USE CHANGE MATRIX WITHIN THE IPCC INVENTORY SOFTWARE

Region Borgou		2012		
Final Managed Forest Land Forest Land Forest Land Crops Managed Forest Land Crops Managed Grassland Crops Managed Grassland Crops Managed Methads Managed Grassland Managed Grassland Managed Grassland Managed Grassland Managed Methads Meth		2012		
Final Forest Land Forest Land Forest Land Crops				
Unmanaged Grassland Grassland Grassland Grassland Grassland Grassland Wetlands Wetlands Managed Wetlands Unmanaged Grassland Settlements	Final Area (ha)	Net change (ha)		
Cropland Cropland R058.4 79175.78	219630	-47903.05		
Annual Crops 8058.4 79175.78 Cropland Perennial Crops 30944.65 Grassland Managed Grassland Unmanaged Grassland Wetlands Wetlands Unmanaged Wetlands Unmanaged Wetlands Settlements (Treed) Settlements Settlements (Treed)	0	0		
Perennial Crops Grassland Managed Grassland Unmanaged Grassland Wetlands Managed Wetlands Unmanaged Wetlands Unmanaged Wetlands Settlements	87234.18	8058.4		
Grassland Unmanaged Grassland Wetlands Managed Wetlands Unmanaged Wetlands Settlements Settlements (Treed) Settlements Settlements Settlements Settlements Settlements Settlements Settlements Settlements Settlements	0	0		
Grassland Wetlands Managed Wetlands Unmanaged Wetlands Settlements Settlements Settlements Settlements Settlements Settlements Settlements Settlements	64254.68	30944.65		
Wetlands Unmanaged Wetlands Settlements Settlements (Treed) Settlements Settlements Settlements (Treed)	0	0		
Wetlands Settlements Settlements (Treed) Settlements Settlements Settlements	0	0		
(Treed) Settlements	360.88	0		
	0	0		
(Otter)	8928.43	8900		
Other Land Managed Other Land	0	0		
Unmanaged Other Land	0	0		
Initial Area (ha) 267533.05 0 79175.78 0 33310.03 0 0 360.88 0 28.43 0 0	380408.17	0		