

Emissions accounting

- What are the accounting boundaries?
- What are significant AFOLU emissions sources/sinks?
- What activities to include/exclude?
- What accounting approach to use?
 - Land-based
 - Activity-based
- Where do I get relevant data?







Objectives

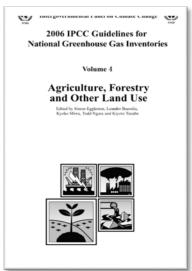
- Identify and present existing AFOLU resources (cross-cutting through Ag, Forestry and Grazingland) to support African countries on AFOLU emissions accounting
- Connect technical support providers to interested beneficiaries





Existing Resources: Guidance

 IPCC Guidelines for National GHG Inventories



- Innumerable Sectoral Guidebooks
 - Forestry-related
 - REDD+
 - CDM
 - Agriculture and grazing sector





IPCC Inventory Tools

https://www.ipcc-nggip.iges.or.jp/software/index.html

- Designed for GHG Inventory
- All Sectors



IPCC Emission Factor Database





USAID AFOLU Carbon Calculator

http://www.afolucarbon.org/

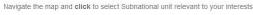
Online Carbon Calculator

Covers 119 countries

- 7 AFOLU activities
- Designed to estimate impacts of actions











FAO EX-ACT Tool

http://www.fao.org/tc/exact/carbon-balance-

tool-ex-act/en/

Excel based

Designed to estimate

impacts of actions



EX-ACT tool





 Agriculture and Land Use National GHG Inventory Software (ALU Tool) https://www2.nrel.colostate.edu/projects/ALUso

ftware/

- National GHG Inventories
- Agricultural and forestry activities







- Winrock GHG Accounting Platform (WinGAP)
 - Excel based, transparent
- Customizable to national circumstances regarding

Data availability

Rapid customization for national circumstances

Importance of GHG source

Existing local research,



Category	Activity	Tier	Scale
Livestock	Enteric Fermentation	II	Region
Livestock	Manure Management	П	Region
Soil Management Direct	Synthetic N	1	National
Soil Management Direct	Organic N	1	National
Soil Management Direct	Crop Residue		National
Forest remaining	Fuelwood extraction	<u> </u>	
forest	(degradation)	II .	District
Forest to non-Forest	Deforestation	II	District

Ideal for Non-Annex I countries





Additional Resources

- Numerous sector-specific guidance and emissions accounting tool
 - REDD+ and forestry
 - Agriculture: commercial and small holder
 - Grassland and pasture management
- LEDS GP with a wealth of expertise and readily available for assistance
 - AFOLU WG
 - REAL









ledsgp.org/workinggroups/agricultureforestry-and-land-use



winrock.org

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