

Afforestation and Reforestation

Methodologies, Tools and TARAM

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**Promoting Transformation by
Linking Natural Resources,
Economic Growth, and
Good Governance**



USAID
FROM THE AMERICAN PEOPLE

Current stand on A/R-CDM Methodologies

36 full-scale methodologies were presented:

- **10** approved (A) (AM)
- **1** consolidated (A) (ACM)
- **1** under review
- **21** rejected (C)
- **3** withdrawn (W)

3 simplified methodologies for small-scale projects (grassland & croplands, settlements, wetlands).



Do not try it!



Methodology	Applicability	Country
AR-AM0001	AR on degraded lands	China
AR-AM0002	AR on degraded lands	Moldova
AR-AM0003	AR on degraded lands; assisted NR	Albania
AR-AM0004	AR on agricultural lands	Honduras
AR-AM0005	AR for industry and/or commercial uses on grasslands	Brazil
AR-AM0006	AR on degraded lands; intercropping with N fixing shrubs.	China
AR-AM0007	AR on pasture; agricultural lands; abandoned land; BL LUC	Ecuador
AR-AM0008	AR for sustainable wood production on degraded lands	D.R. Madagascar
AR-AM0009	AR on degraded lands, silvo-pastoral activities allowed	Colombia
AR-AM0010	AR on unmanaged grassland in reserves/protected areas	Brazil

Approved Methodology

Carbon Pools		01	02	03	04	05	06	07	08	09	10	1C
Living Biomass	Above-ground (AGB)											
	Below-ground (BGB)											
Dead biomass	Dead wood (DW)											
	Litter (L)											
Soil Organic Carbon (SOC)												

TRANSLINKS

Approved Methodology

		01	02	03*	04	05	06	07	08	09	10	
Project emissions	Consumption of fossil fuels (CO ₂)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
	Elimination of pre-existing vegetation (C)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
	Biomass burning (CH ₄ , N ₂ O)	Green	Green	Green	Green	Green	Orange	Green	Green	Green	Green	
	Fertilization (N ₂ O)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
	NFS (non-tree) (N ₂ O)	Orange	Orange	Orange	Orange	Orange	Green	Orange	Orange	Orange	Orange	
	NFS (trees) (N ₂ O)	Orange	Orange	Orange	Orange	Orange	Orange	Green	Orange	Orange	Orange	
	Increased livestock (CH ₄ , N ₂ O)	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Green	Orange	Orange	
Leakage	Consumption of fossil fuels (CO ₂)	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	
	Activity displacement (C)	Grazing	Orange	Green	Green	Green	Green	Green	Green	Green	Green	Green
		Agriculture	Orange	Orange	Green	Green	Green	Green	Green	Green	Green	Green
	Fuel wood collection (C)	Orange	Orange	Green	Green	Green	Green	Green	Green	Green	Green	
	Displacement of people (C)	Orange	Orange	Orange	Orange	Orange	Green	Orange	Orange	Orange	Orange	
	Fencing (C)	Orange	Green	Green	Green	Green	Green	Green	Green	Green	Orange	
Forage production (CH ₄ , N ₂ O)	Orange	Orange	Orange	Orange	Orange	Green	Orange	Orange	Orange	Orange		



Tools

- Additionality tool – *Optional* (but use it)
- Combined Additionality and baseline tool – *Optional* (but use this or the previous one)
- Eligibility tool – *Mandatory!*

Note: The EB has developed several guidelines, clarifications, and forms. These are all published in the CDM web page (www.unfccc.int).

Tools to estimate project emissions and leakage

- Estimation of GHG emissions related to fossil fuel combustion
- Procedure to determine when accounting for soil organic carbon
- Estimation of direct nitrous oxide emissions from nitrogen fertilization
- Tool for estimation of GHG emissions from clearing, burning and decay of existing vegetation
- Tool for estimation of GHG emissions related to displacement of grazing activities
- Calculation of GHG emissions due to leakage from increased use of non-renewable woody biomass
- Tool for estimation of carbon stocks, removals and emissions for the dead organic matter

Other tools

- Calculation of the number of sample plots
- Tool for testing the significance of GHG emissions
- Tool for the identification of degraded or degrading lands

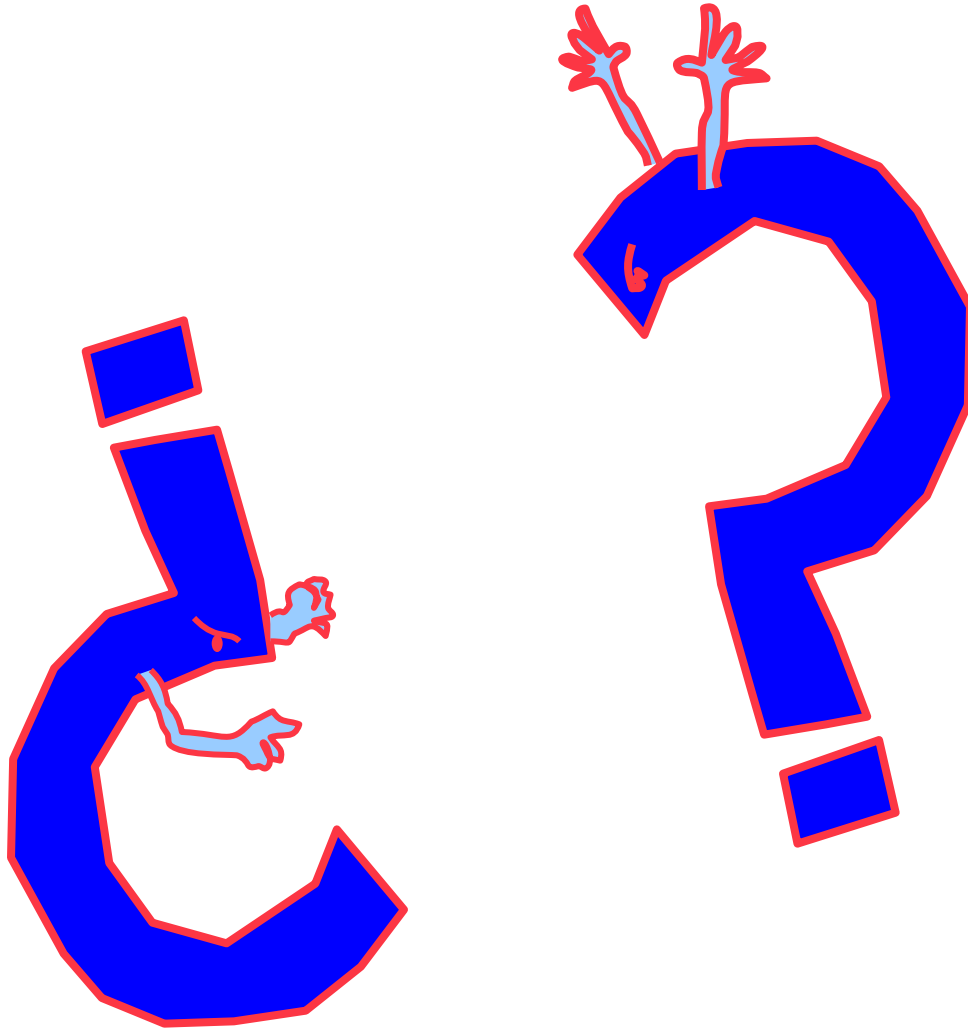
TARAM (V1.3)

Tool for Afforestation and Reforestation Approved Methodologies



Proposed location
of the logo of Tüv-Süd

Questions



Thank you for your attention!

