

Rwanda NCA: Progress & Accomplishment

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Wealth Accounting and the Valuation of Ecosystem Services
www.wavespartnership.org



Content

- **Progress & achievement:**

- ☐ Land

- ☐ Water

- ☐ Mineral accounts

- ☐ Outreach & Publications



Progress & achievement

Introduction.

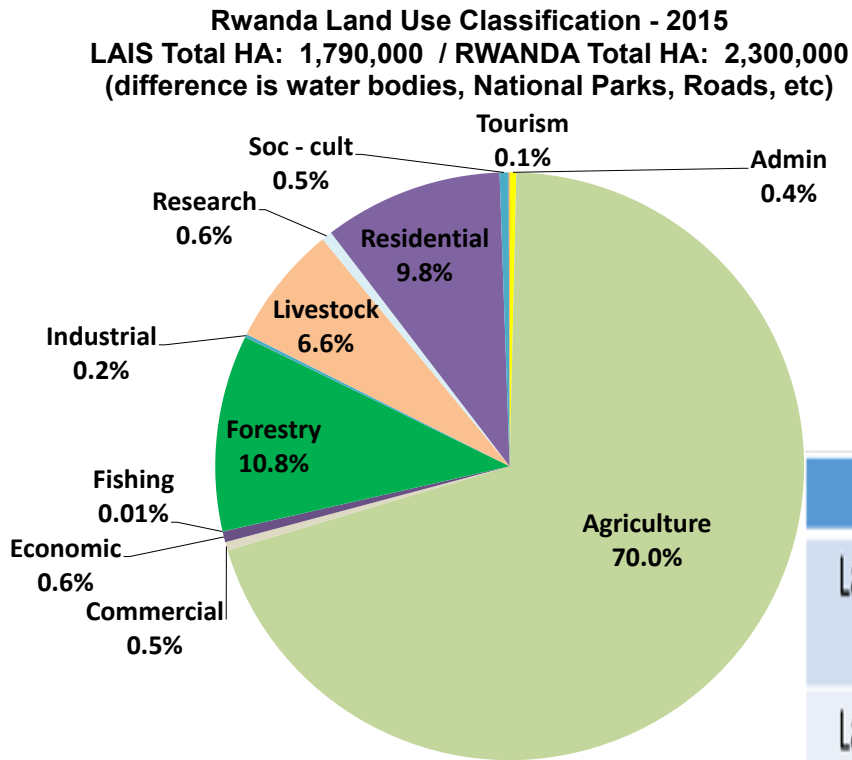
- Implementation since 2015 → learning by doing → notable progress
- TWG Participation → Engagement (capacity building and on job training) → Leadership (Steering Committee)

- **Key products so far**

- Land Accounts: Land use change matrix, Land Cover Data & Mapping , Physical land asset account; Land transaction value & fees (base or monetary)
- Water Accounts: Physical Supply and Use tables, Water Asset Accounts
- Mineral: Land use trade off model & Feasibility assessment for Mineral Accounts
- Communication & Outreach effort: E- outreach, printed outreach, workshop & briefings



Land Account 2013-2015: Data Compilation ~Complete

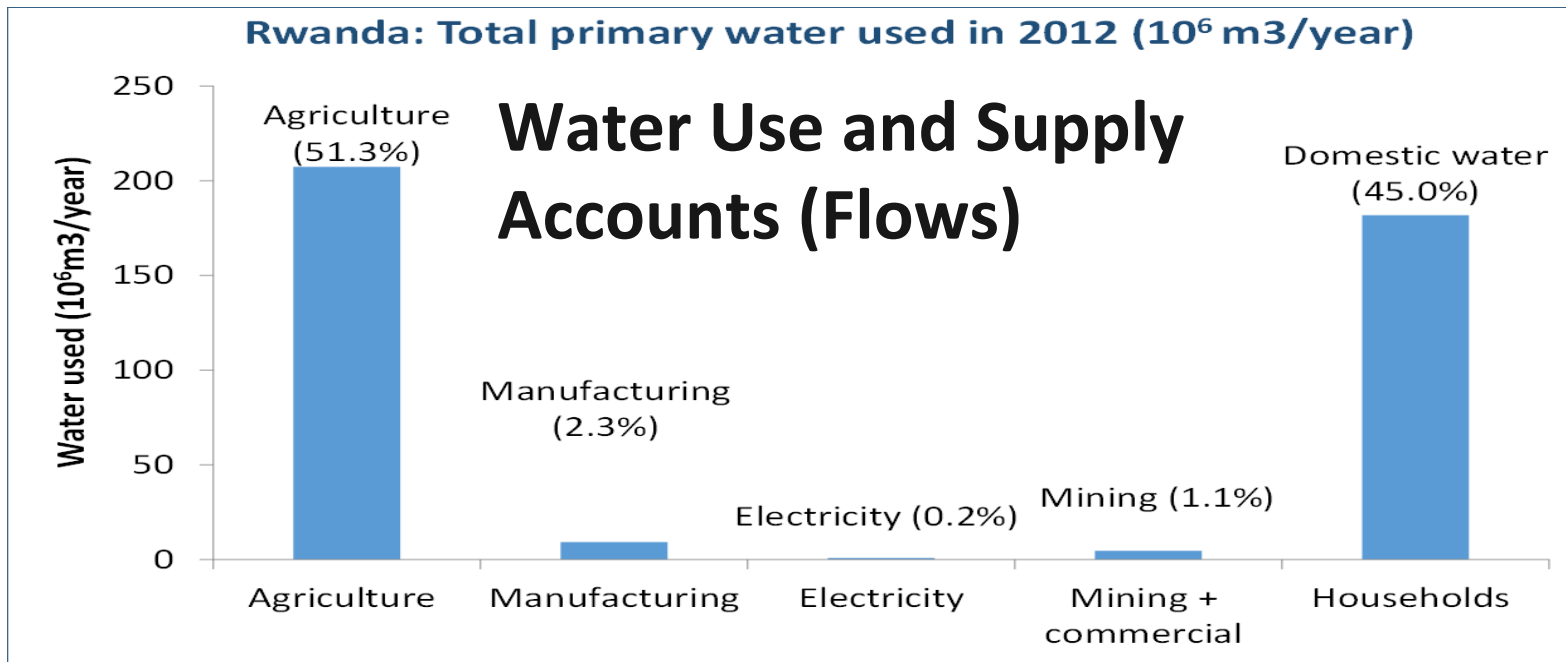


Land Accounts Element	Years Covered		
Land Use Change Matrix: National, Regional & District Level	2013	2014	2015
Land Cover Data & Mapping: National, Regional & District Level	1990	2000	2010
Physical land asset account: National Level	2013	2014	2015
Land transaction values & fees (base for monetary): National, Provincial, District Level		2014	2015

Aside from admin reclassifications, overall changes across categories are minor:

- 2014 = 20,600 ha net change
- 2015 = 44,900 ha net change

Rwanda: Total primary water used in 2012 (10⁶ m³/year)



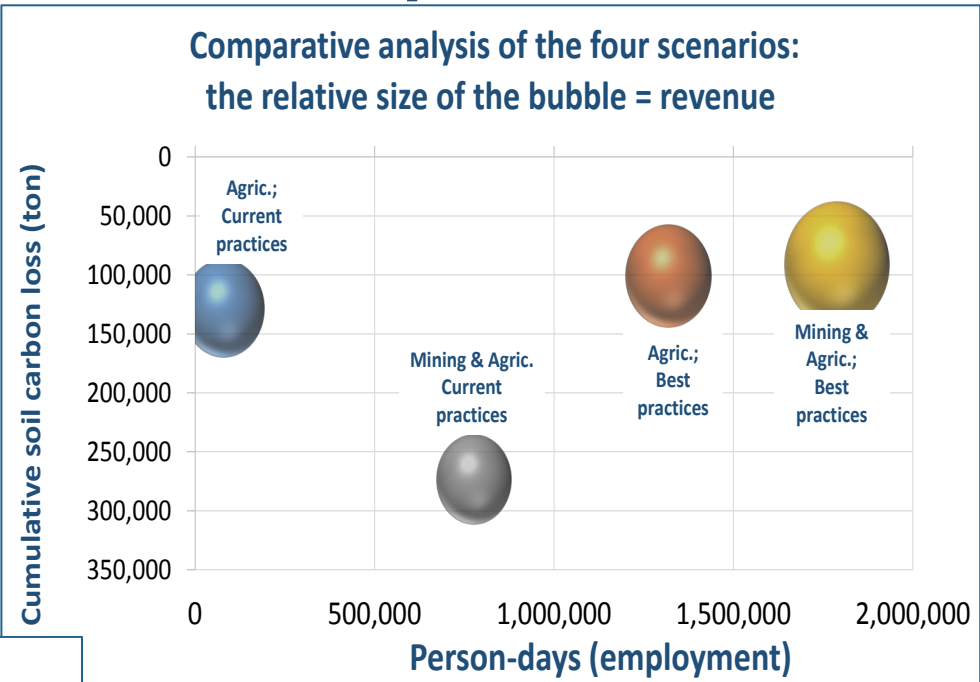
Improved physical asset account for water resources Year 2012 in Million m³

MCM	Surface water			Soil water	Groundwater	Total
	Lakes	Rivers	Artificial reservoirs			
Opening stock water resources	553,838	6,822	54,253	33,494	62,127	710,534
Additions to stock						
Returns of water	223,990		xx	xx	xx	223,990
Precipitation	27,507	321	2,550	261	2,921	33,560
Inflows from other territories		0.143	xx			0.143
Inflows from other inland water resources	xx	xx				xx
Total additions to stock	251,497	320.831	xx	261	2,921	257,550
Reductions in stock						
Abstraction of water	279,987	xx	xx	xx	xx	279,987
Evaporation and transpiration	20,686	xx	xx	xx	?	20,686
outflows to other territories	0	11	?			11
outflow to the sea	0	0	0			0
outflow to other inland water resources	xx	0	xx	xx	xx	x
Total reductions in stock	300,673	11	xx	0	0	300,684
Closing stock water resources	504,662	7,132	xx	xx	65,048	667,400

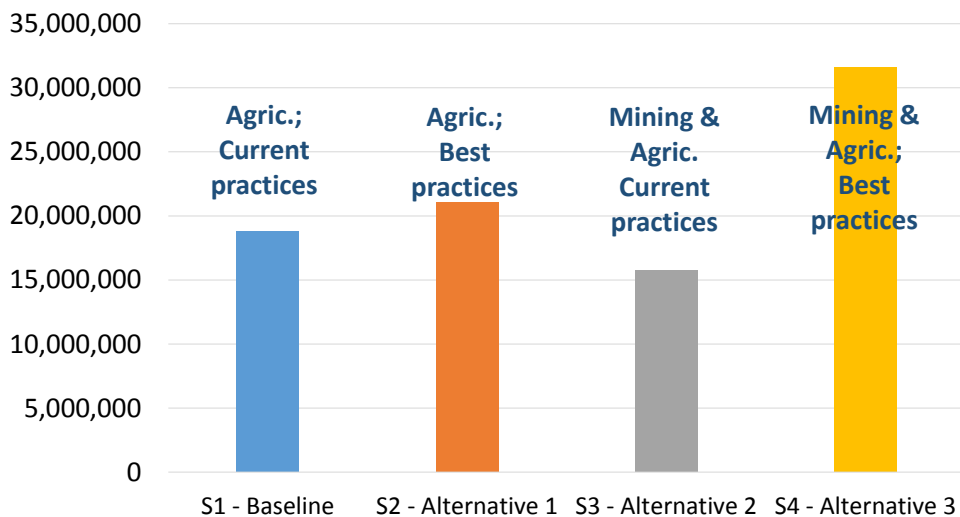
Mineral Accounts development

Helps to understand and illustrate

- Opportunity cost of land use options
- Environmental externalities, off site
- Effects on HH and Jobs
- Multiple indicators, graphic display
- Supports screening for land use decisions with no net loss to society



Present value of economic production (US\$)



Mineral Accounts Feasibility assessment

Yes, it can be done...

- Preliminary accounts in one year: Key data are scattered
- Will require intensive work to organize and analyze data
- Longer term, institutional system for update & analysis

Rwanda NCA Communication & Outreach Effort

Current

E-Outreach

- MINIRENA Comms officer
- MINIRENA Website
- News Articles

Printed Outreach

- Monthly newsletters
- Country brief 2 pager

Workshops & Briefings

- Training programs
- Stakeholder consultation
- Invited into SMM, SWG



Rwanda Natural Capital Accounting

THANK YOU!

