Rwanda NCA: Progress & Accomplishment

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

- 2014 = 20,600 ha net change
- 2015 = 44,900 ha net change
Water Use and Supply Accounts (Flows)

Rwanda: Total primary water used in 2012 (10^6 m^3/year)

- Agriculture (51.3%)
- Manufacturing (2.3%)
- Electricity (0.2%)
- Mining (1.1%)
- Domestic water (45.0%)

Improved physical asset account for water resources Year 2012 in Million m^3

<table>
<thead>
<tr>
<th>MCM</th>
<th>Surface water</th>
<th>Artificial reservoirs</th>
<th>Soil water</th>
<th>Groundwater</th>
<th>Total</th>
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<tbody>
<tr>
<td></td>
<td>Lakes</td>
<td>Rivers</td>
<td></td>
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<tr>
<td>Opening stock</td>
<td>553,838</td>
<td>6,822</td>
<td>54,253</td>
<td>33,494</td>
<td>62,127</td>
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<td>stock water resources</td>
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<td>710,534</td>
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<td>Additions to stock</td>
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<tr>
<td>Returns of water</td>
<td>223,990</td>
<td>xx</td>
<td>xx</td>
<td>xx</td>
<td>223,990</td>
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<tr>
<td>Precipitation</td>
<td>27,507</td>
<td>321</td>
<td>2,550</td>
<td>xx</td>
<td>33,560</td>
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<td>Inflows from other territories</td>
<td>0.143</td>
<td>xx</td>
<td>xx</td>
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<tr>
<td>Inflows from other inland water resources</td>
<td>xx</td>
<td>xx</td>
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<tr>
<td>Total additions to stock</td>
<td>251,497</td>
<td>320,831</td>
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<td>261</td>
<td>2,921</td>
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<td>257,550</td>
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<td>Reductions in stock</td>
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<td>Abstraction of water</td>
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<td>Evaporation and transpiration</td>
<td>20,686</td>
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<td>20,686</td>
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<tr>
<td>outflows to other territories</td>
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<td>11</td>
<td>?</td>
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<td>11</td>
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<tr>
<td>outflow to the sea</td>
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<tr>
<td>outflow to other inland water resources</td>
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<td>Total reductions in stock</td>
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<td>300,684</td>
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<tr>
<td>Closing stock</td>
<td>504,662</td>
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<td>xx</td>
<td>65,048</td>
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<td>water resources</td>
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<td>667,400</td>
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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

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
- MINRENA 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!