

#iaia21

Integrating SEA and IWRM in catchment landscape planning and governance

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Catchment Landscape Planning in Rwanda

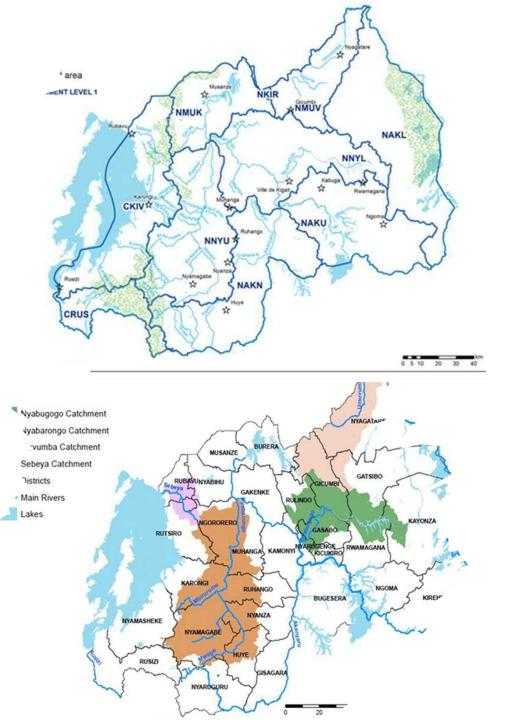
- Strategic plans for integrated management of land and water resources within hydrological 'catchment' boundaries
- First catchment plans in Rwanda
- First application of SEA in Rwanda
- Global first integration of catchment planning and SEA processes





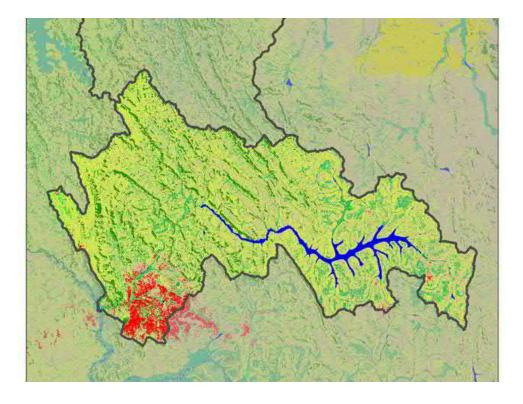
Kingdom of the Netherlands





A new layer of governance?

Hydrological versus district boundaries





But you can't challenge national policies!

Participant from central government entity for local development

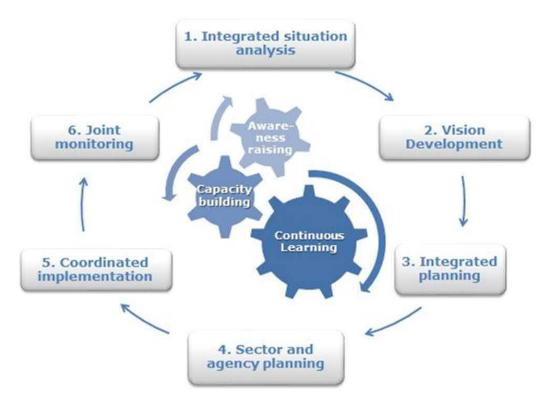
2015, during NCEA-supported SEA training for catchment planning

Catchment Landscape Planning – perspective

Integrated management of land and water resources (Water Resources Board)

- Dublin Principles on Water & Sustainable Development (1992)
- 1. Fresh water is a finite and vulnerable resource
- 2. Water development & management should be participatory
- 3. Women play central part
- 4. Water is an economic good
- 5. Water is a Human Right (Unesco 2002)

 Planning cycle for Integrated Water Resources Management (IWRM)



Catchment Landscape Planning – perspective

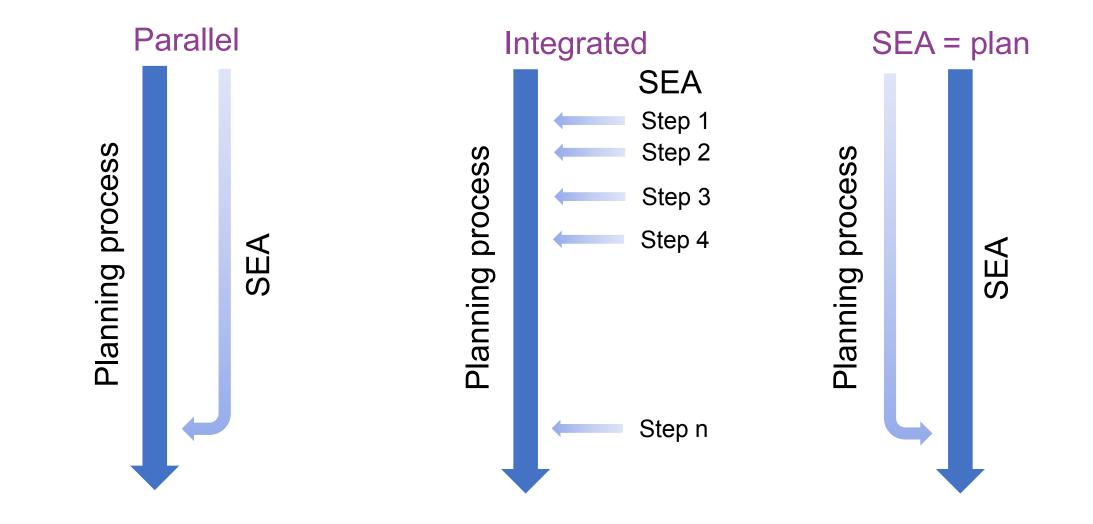
Developing a strategic plan: requires SEA (Environmental Management Authority)

- SEA Process
- 1. Screening
- 2. Scoping
- 3. Assessment
- 4. Formal decision making
- 5. Monitoring

Phases in SEA		Steps in SEA
Fnases in SEA		Steps in SEA
Screening	1. 2.	Reach consensus on the need for SEA and its link to planning; Find stakeholders and announce start of the plan process;
Scoping	3. 4. 5.	Develop a shared vision on challenges and opportunities, define plan objectives and draft alternative ways to reach these objectives; Do a consistency analysis for relevant (national) policies that have consequences for each catchment; Set ToR for the technical assessment, based on scoping results:
Assessment	6. 7.	Assess the impacts of alternatives and document this; Review: organise (independent) quality assurance of documentation (preferably involving stakeholders);
Formal decision making	8. 9.	Discuss with all stakeholders the alternative to prefer; Motivate the (political) decision in writing;
Monitoring	10.	Monitor the implementation and discuss the results

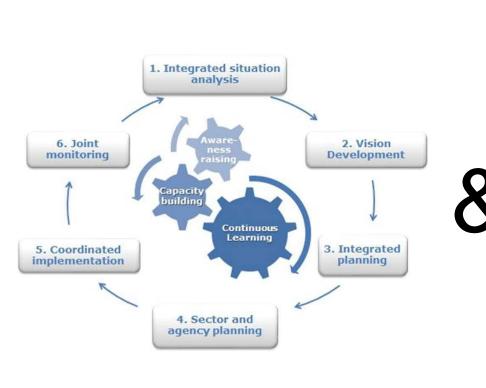
Types of SEA in planning processes

Source: SEA training within Water for Growth Rwanda, NCEA, 2015

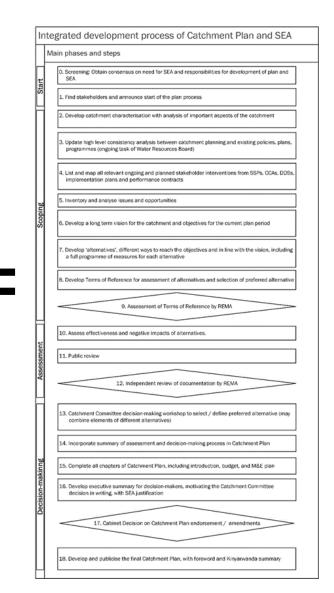


Which process to follow?

Integrated development process of Catchment Plan and SEA



Phases in SEA	Steps in SEA
Screening	 Reach consensus on the need for SEA and its link to planning; Find stakeholders and announce start of the plan process;
Scoping	 Develop a shared vision on challenges and opportunities, define plan objectives and draft alternative ways to reach these objectives; Do a consistency analysis for relevant (national) policies that
	 have consequences for each catchment; 5. Set ToR for the technical assessment, based on scoping results;
Assessment	 Assess the impacts of alternatives and document this; Review: organise (independent) quality assurance of documentation (preferably involving stakeholders);
Formal decision making	 Discuss with all stakeholders the alternative to prefer; Motivate the (political) decision in writing;
Monitoring	10. Monitor the implementation and discuss the results



Detailed Catchment Planning & SEA Manual

Main steps – sub steps – key outputs and roles

- Catchment Plan & SEA Process
- 1. Screening
- 2. Find stakeholders, start up
- 3. Characterise catchment
- 4. Consistency analysis
- 5. List/map interventions
- 6. Analyse issues/opportunities
- 7. Validate info, develop vision
- 8. Develop alternatives
- 9. Develop ToR for SEA
- 10. Review ToR for SEA (authority)

- 11. Asses impacts of alternatives
- 12. Public review
- 13. Independent review (authority)
- 14. Catchment Comm. decision
- 15. Summarise process in Plan
- 16. Add implementation plan, M&E
- 17. Executive summary
- 18. Cabinet Decision
- 19. Publicise final Catchment Plan

Results: Governance by Catchment Committee

Chaired by Vice Mayor, stakeholder representatives from each district CC roles: plan, monitor, evaluate District roles: plan, implement, monitor

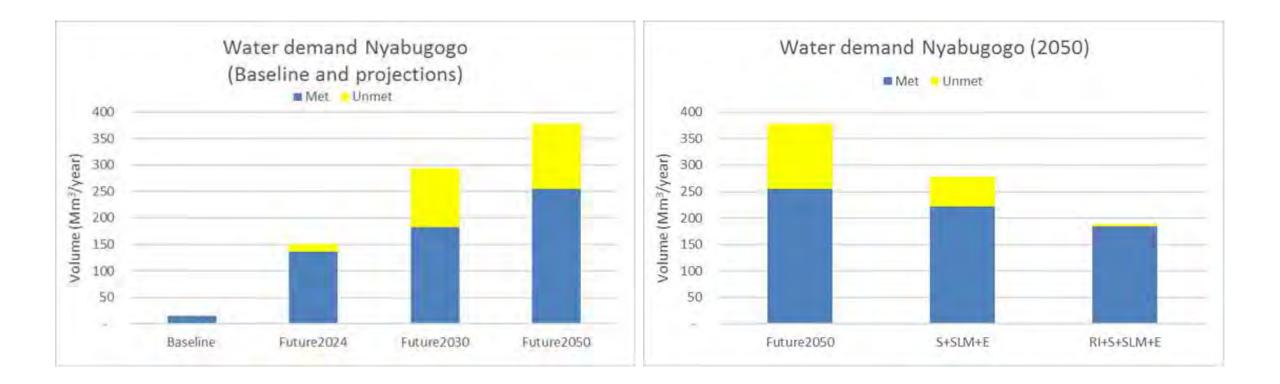


Results: Consistency Analysis



Results: water allocation plan

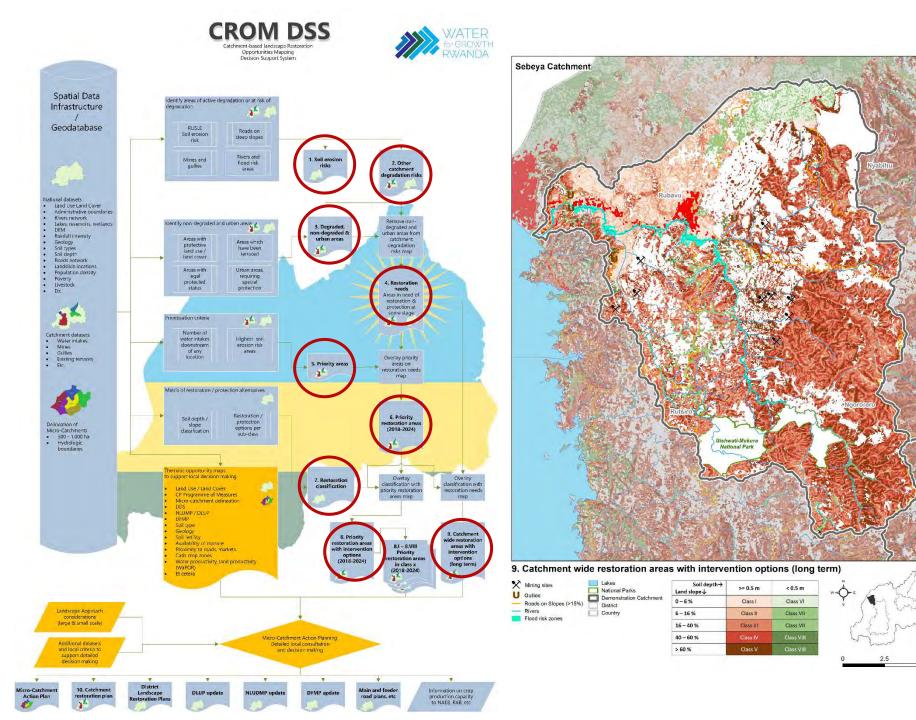
Alternatives: Storage, Sustainable Land Management, Efficiency, Reduced Irrigation

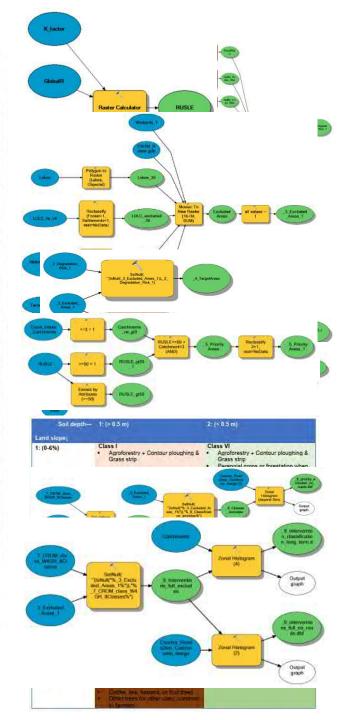


Results: Catchment Restoration to address soil erosion

For climate resilience, water/energy/food security, biodiversity, Payment for Ecosystem Services



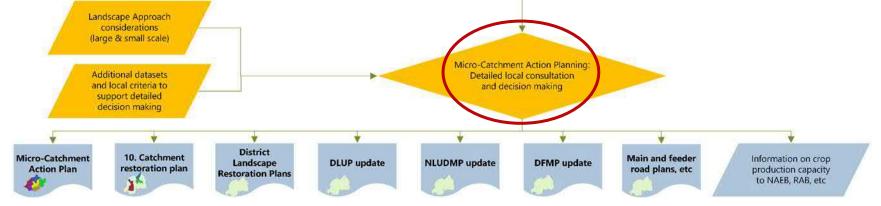




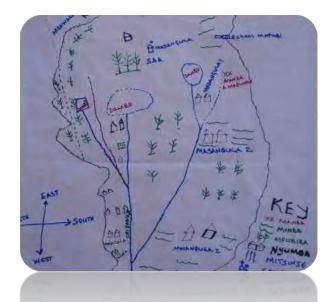
5 Km

Participatory decision-making: Micro-Catchment Action Planning

Global science, local solutions, Payment for Ecosystem Services

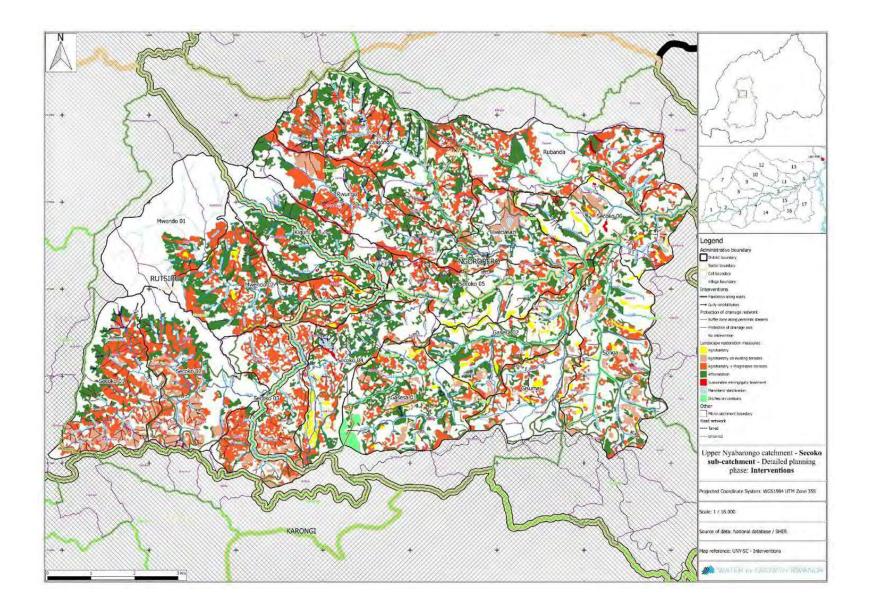








Micro-Catchment Action Plan



Lessons learnt

For replication in Rwanda and elsewhere



Empower Catchment **Promote critical Committee Chairperson** consistency analysis to convene meetings Inform plan partners / stakeholders up front on Strengthen regulations the duration of plan and guidance process, roles and responsibilities Alternatives should also focus on opportunities, Develop GIS capacity for not just issues; spatial planning objectives broader than just water

Let's continue the conversation!

Post questions and comments via chat in the IAIA21 platform.



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