

# AU-AIP AFRICA WATER INVESTMENT SUMMIT 2025

13 - 15 August 2025  
Cape Town, South Africa



## AU AIP WATER INVESTMENT SUMMIT: PROJECT SHOWCASE

PROGRAMME/ PROJECT OVERVIEW	
Project name	Enhancing Climate Resilience through Integrated Flood Management of the Nyamwamba River Catchment in Kasese District
Location (Country, Region, Coordinates)	Uganda, Kasese District Start: 0°14'02.4", N 29°58'45.4"E; End: 0°10'22.38"N, 30°7'48.85"E
Involved countries (if regional)	Uganda (single-country project)
Sub-Sector (Water Supply, Sanitation, Irrigation, Flood Management)	Flood Management, Ecosystem-based Adaptation
Project description (Goals and expected outcomes)	<ol style="list-style-type: none"> <li><b>Goal:</b> Reverse environmental degradation, enhance climate resilience and socio-economic well-being via sustainable integrated flood management.</li> <li><b>Outcomes:</b> Reduced flood vulnerability for ~125,000 residents, protecting lives, critical infrastructure; Improved ecological health; Enhanced socio-economic well-being and diversified livelihoods.</li> </ol>
Technological details/ innovation	<ol style="list-style-type: none"> <li>Integrated Grey-Green Infrastructure (engineered solutions + nature-based solutions).</li> <li>Evidence-Based &amp; Climate-Proofed Design (incorporating future climate scenarios).</li> <li>Functional Flood Early Warning System (FEWS).</li> </ol>
Governance improvements / innovation	<ol style="list-style-type: none"> <li>Design-Build-Maintain Model by institutionalizing sustainable maintenance.</li> <li>Strengthened Community-Based Catchment Management Committees (CMCs) for local ownership.</li> </ol>
IMPLEMENTATION & KEY PLAYERS	
Lead institution	Ministry of Water and Environment (MWE), Uganda
Implementing agent(s)	Ministry of Water and Environment (MWE), Kasese District Local Government, Community-Based Catchment Management Committees (CMCs)
Sponsors / Investors / Contractors / Advisors	Government of Uganda (GoU)
PROJECT TIMELINE & DEVELOPMENT STAGE	
Year of preparation, estimated start & end dates	<b>Estimated Start:</b> FY 2026/27 (July 2026) <b>Estimated End:</b> FY 2029/30 (June 2030)
Current development stage	Draft Detailed engineering designs complete, pending Economic Analysis. Cabinet Memorandum prepared for approval/financial commitment
PROJECT RATIONALE & STRATEGIC IMPORTANCE	
Alignment with national/regional plans, SDGs, Agenda 2063	<ol style="list-style-type: none"> <li><b>National:</b> Uganda Vision 2040, NDP IV (2025/26-2029/30), Parish Development Model (PDM), National Climate Change Policy (2015), NDC, NAP, National Environment Act (2019), Water Act, Land Act.</li> </ol>

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	2. <b>Regional/International:</b> Sendai Framework for DRR (2015-2030), IGAD Regional DRM Strategy, SDGs (1, 3, 4, 5, 6, 8, 9, 11, 15).
Contribution to NDC's and alignment with NAPs / Adaptation and Mitigation measures	<p>1. <b>Adaptation:</b> Direct implementation of NAP/NDC priorities in water, agriculture, infrastructure. Reduces flood vulnerability for ~125,000 residents, protects critical infrastructure and ~2,500 acres of agricultural land.</p> <p>2. <b>Mitigation:</b> Reforestation/afforestation of ~2,000 hectares to sequester ~400,000 tCO<sub>2</sub>eq over 20 years, contributing to Uganda's NDCs.</p>
Paradigm shift potential (scalability, replicability, policy or behaviour change)	<p>1. Shift from reactive to proactive, integrated climate risk reduction.</p> <p>2. Integrated Grey-Green Infrastructure.</p> <p>3. Design-Build-Maintain model for sustainability</p> <p>4. Evidence-Based &amp; Climate-Proofed Design</p> <p>5. Replicable model for other mountain catchments in Uganda</p> <p>6. Policy/behaviour change through climate-resilient livelihoods and community empowerment</p>
<b>FINANCIAL &amp; INVESTMENT DETAILS</b>	
Total project cost, currency	USD 74,675,444 (UGX 272.57 billion)
Funding already raised (amount & sources)	GoU: UGX 2.04 billion (~USD 567,000) for engineering designs.
Proposed revenue model	Public good investment; no direct financial returns. Benefits are saved lives, protected infrastructure, restored ecosystems.
Financial metrics (IRR, Payback Period, DSCR, NPV) available? Y/N, date	No
Economic performance (Benefit-Cost Ratio) Y/N, date	Yes. Cost of inaction (UGX 100 billion annually) far exceeds intervention cost (UGX 272.57 billion over 4 years).
<b>INVESTMENT ASK &amp; WAY FORWARD</b>	
Remaining investment required: project component & type (Loan/ Equity/Grant/ Guarantee/ insurance)	<b>Total:</b> USD 74,675,444
Opportunity for bundling with other projects (Y/N, date)	Yes.  Replicable model for other vulnerable mountain catchments (e.g., Mount Elgon)
Next steps	Competing the detailed engineering designs (July 2025) Project implementation start: July 2026
<b>TARGET GROUPS &amp; SOCIAL IMPACT</b>	
Direct beneficiary population per project component (if available, please provide estimated by income status,	<p>Approximately 125,000 residents in hazard-prone areas</p> <p><b>Poverty:</b> 55.2% of residents in Kasese District.</p> <p><b>Gender:</b> Women disproportionately impacted; integrated gender considerations for equitable participation/benefits.</p> <p><b>Other vulnerable groups:</b> Children, elderly, persons with disabilities</p>

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gender, ethnicity and/or other status, and numbers of each)	included in consultations.
Social & gender impact assessment (Y/N, date)	Yes (2024-2025)
Job creation estimate / local economic benefit assessment (Y/N, date)	Yes. 1. Promotes climate-resilient livelihoods (apiculture, horticulture, aquaculture, eco-tourism). 2. Safeguards critical investments in energy, transport, tourism, agro-industry. 3. Prevents destruction of ~2,500 acres farmland. 4. Saves >UGX 100 billion in annual flood damage costs. 5. Avoids ~UGX 11 billion annual revenue losses in tourism/trade.
<b>SUSTAINABILITY &amp; ENVIRONMENTAL ANALYSIS</b>	
Environmental compliance & climate assessment (Y/N, date)	Yes. Meets national standards. Designs incorporate future climate scenarios.
Environmental impact assessment (Y/N, date)	Yes (2024-2025)
ESG performance (Y/N, date)	Yes (Implicit). Adherence to international safeguards; focus on social/environmental benefits; improved governance via maintenance regime.
Safeguards & community engagement (Y/N, date)	Yes. Robust safeguards (ESIA, ESMP, GRM); Gender integration, inclusive consultations; Pollution mitigation (Kilembe Mine tailings).
<b>RISK MANAGEMENT</b>	
Main risks & mitigation measures (Political, Legal, etc)	1. <b>Risks:</b> Temporary displacement, hydrological changes, biodiversity impacts (mitigated via ESIA/ESMP). Localized conflicts/regional instability, non-acceptance of alternative livelihoods. 2. <b>Mitigation:</b> Adherence to national laws (Environment, Water, Land Acts). Fair compensation/livelihood restoration for involuntary resettlement. GRM for community concerns. Erosion control at Kilembe Mine tailings.
Constraints or bottlenecks to finance	Scale of need exceeds Uganda's fiscal capacity; Public good nature (no direct financial returns) makes it unsuitable for traditional loans; Uganda is an LDC with high public debt-to-GDP ratio (>50%).
<b>CONTACT INFORMATION</b>	
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