

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	Support "PACWA" and enhance institutional capacity building for professionals from Egypt and African countries in the water and climate sectors. (Pan-African Centre for Water and Climate Adaptation)
Location (Country, Region, Coordinates)	Egypt, 6 October City (Regional Center for Training and Water Studies, St.No.1, Fourth Industrial Zone, P.O. Box: 58 Zip Code: 12566, Egypt). The project has a Pan-African scope.
Involved countries (if regional)	Egypt (as a hosting hub) and other African countries (beneficiaries of training).
Sub-Sector (Water Supply, Sanitation, Irrigation, Flood Management)	Water Management, Climate Change Adaptation, Capacity Building, Training, Institutional Development, Water Resources Management
Executive Summary	This project proposes the enhancement of the Pan-African Centre for Water and Climate Adaptation (PACWA), hosted at Egypt's Regional Center for Training and Water Studies (RCTWS), into a premier hub for capacity building across Africa. Through infrastructure upgrades, institutional strengthening, adoption of innovative training technologies including Virtual Reality (VR), and collaboration with international partners, the project aims to empower professionals from African countries with the skills and tools necessary to manage water resources and adapt to climate change effectively. The total investment required is USD 8 million, to be mobilized primarily through grants.
Project description (Goals and expected outcomes)	Egypt aims to make its competent centers, specifically the Regional Center for Training and Water Studies (RCTWS), a hosting hub for training and capacity building in Africa, acting as the headquarters of the Pan-African Centre for Water and Climate Adaptation (PACWA). The Government of Egypt is undertaking necessary measures to ensure an integrated approach through institutional capacity development, infrastructural intervention, network enhancement, and training quality improvement. also exploring the role of Virtual Reality (VR) and digital technologies in advancing water management training, this aims to host a flexible and efficient training hub with innovative services, enabling the center to respond to modern requirements for didactic purposes and deliver high-quality international standard training courses at all levels. The Hub will function in cooperation with different international partners to fulfill the needs of African countries in water and climate. The project aims to improve water and climate adaptation capacity in Africa through enhanced training and knowledge transfer, ultimately contributing to sustainable water management and climate resilience across the continent.
Technological details/ innovation	Enhancing training quality through innovative services and modern didactic purposes, adoption of advanced training methodologies, and potentially digital tools for water and climate adaptation. Exploration of Virtual Reality (VR) in training and learning experiences
Governance improvements/innovation	Strengthening institutional capacity development of PACWA as a central hub, and fostering cooperation with international partners for a unified and effective approach to water and climate adaptation in Africa. The project aims to enhance an integrated approach through institutional capacity development.
IMPLEMENTATION & KEY PLAYERS	
Lead institution	Ministry of Water Resources and Irrigation - Regional Center for Training and Water Studies (RCTWS) as the headquarters of the Pan-African Centre for Water and Climate Adaptation (PACWA).
Implementing agent(s)	The Pan-African Centre for Water and Climate Adaptation (PACWA) itself,

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	operating under the umbrella of the Regional Center for Training and Water Studies
PROJECT TIMELINE & DEVELOPMENT STAGE	
Year of preparation, estimated start & end dates	<p>Estimated start March 2026 End date September 2029 Estimated start and end dates for the enhancement project are dependent on securing the required funding, but PACWA itself is already operational. Estimated plan : Total Estimated Duration: 3.5 Years Total Estimated Amount: 8,000,000 USD Phase 1: Project Initiation & Institutional Development (Budget: 6.5 M/USD) This budget includes the anticipated costs of Phase 2 and Phase 3 Inception Phase: 6 months Institutional Developments: 2 years (with one year overlap with the training program) Phase 2: Infrastructure Development (Budget: 3,000,000 USD) Construction/Renovation: This component occurs within the overall 3.5 years, specifically focusing on: Training halls The hotel (178 rooms) is situated within PACWA premises Phase 3: Training Facilities & Pilot Projects (Budget: 3,000,000 USD) Training Facilities: 2,000,000 USD (for furniture, IT equipment, projectors, training aids, etc.) Practical Pilot Projects and Labs: 1,500,000 USD (for equipment, operational costs, etc.) Phase 4: Training Program Implementation (Budget: 1,500,000 USD) Training Program: 2 years (one year of overlap with the rehabilitation/institutional development phase) This budget covers: Trainers' fees Training materials Participants' travel/transportation, translation & accommodation</p>
Current development stage	The Pan-African Centre for Water and Climate Adaptation (PACWA) is established and operational, implementing programs. The current project is in the preparation stage, seeking significant funding (8 million USD) for its enhancement and expansion through platforms like AU AIP Water
PROJECT RATIONALE & STRATEGIC IMPORTANCE	
Alignment with national/regional plans, SDGs, Agenda 2063	The project directly aligns with SDG 6 (Clean Water and Sanitation) by enhancing water management capacity. It also strongly supports Agenda 2063's aspirations for a prosperous Africa based on inclusive growth and sustainable development, particularly concerning water security and climate resilience. By establishing a Pan-African center, it aligns with regional integration and capacity-building efforts across Africa. It contributes to climate action (SDG 13) by focusing on climate adaptation in the water sector.
Contribution to NDC's and alignment with NAPs / Adaptation and Mitigation measures	Since the project focuses on training and capacity building in water management and climate change adaptation, it directly contributes to 'adaptation measures'. When experts and officials in African countries improve their skills in managing water resources under changing climatic conditions, this enhances these countries' ability to adapt to challenges such as drought, floods, and water scarcity. This, in turn, supports the implementation of their National Adaptation Plans (NAPs) and their commitments under international climate agreements (NDCs)

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Paradigm shift potential (scalability, replicability, policy or behaviour change)	Paradigm shift potential (scalability, replicability, policy or behaviour change): This project represents a significant paradigm shift by enhancing a dedicated Pan-African hub for water and climate adaptation training. This facilitates widespread knowledge transfer, promotes best practices across the continent, and encourages the adoption of new policies and behaviors for sustainable water and climate management. Its nature as an already existing and expanding training hub ensures high scalability and replicability of interventions across various African nations.
FINANCIAL & INVESTMENT DETAILS	
Total project cost, currency	8 million \$ (Amount required by donor agencies).
Funding already raised (amount & sources)	No funding is yet committed for this specific PACWA project. The RCTWS has a history of receiving funding from various international and national agencies for past training programs, demonstrating its capability in financial management. Like (FAO, JICA, Egyptian Agency for Partnership, CIHEAM Bari, UNESCO, etc.
Proposed revenue model	The proposed revenue model for this project (the enhancement and expansion of PACWA) primarily relies on obtaining grants or funding from donor agencies
Financial metrics (IRR, Payback Period, DSCR, NPV) available? Y/N, date	No
Economic performance (Benefit-Cost Ratio) Y/N, date	No
INVESTMENT ASK & WAY FORWARD	
Remaining investment required: project component & type (Loan/Equity/Grant/Guarantee/insurance)	Amount: 8 Million USD Type: Grant. Components: Institutional capacity development, infrastructural intervention, international and regional network enhancement, training quality improvement, and innovative services for PACWA's expanded operations.
Opportunity for bundling with other projects (Y/N, date)	Y (PACWA, in its enhanced form, can be bundled with various national and regional water and climate projects across Africa, serving as a central training and knowledge hub. The RCTWS also has ongoing training programs that could complement PACWA.)
Next steps	Secure approval, identify and secure funding from donor agencies, prepare a detailed project document/proposal, and proceed with the comprehensive enhancement and expansion of PACWA's operations.
TARGET GROUPS & SOCIAL IMPACT	
Direct beneficiary population per project component (If available, please provide estimated by income status, gender, ethnicity, and/or other status, and numbers of each)	The direct beneficiary population includes professionals from Egypt and various African countries in the water and climate sectors. Specific numbers and detailed breakdowns (by income status, gender, ethnicity, or other status) are not explicitly provided in the Concept Note , but will be determined during the detailed planning and implementation phases of PACWA's enhanced programs
Social & gender impact assessment (Y/N, date)	N (Not explicitly stated in the concept note, but capacity building in water and climate management generally has positive social impacts, especially for vulnerable communities. A detailed assessment would be part of a full project document.)
Job creation estimate / local economic benefit assessment (Y/N, date)	No
SUSTAINABILITY & ENVIRONMENTAL ANALYSIS	
Environmental compliance & climate	Y (The entire project is centered around "Water and Climate Adaptation" and

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assessment (Y/N, date)	focuses on enhancing capacity in these critical environmental areas. PACWA has also previously conducted "Climate Smart Water Management" courses, demonstrating commitment.)
Environmental impact assessment (Y/N, date)	No, A formal EIA is not explicitly mentioned at this stage, but the project's nature is inherently environmentally positive through capacity building
ESG performance (Y/N, date)	Y (The project directly contributes to Environmental and Social aspects of ESG by focusing on climate adaptation, water security, and capacity building for professionals across a continent.)
Safeguards & community engagement (Y/N, date)	No
RISK MANAGEMENT	
Main risks & mitigation measures (Political, Legal, etc)	<ul style="list-style-type: none"> - Financial Risk: Difficulty in securing the full \$8 million funding. Mitigation: Diversifying funding sources, engaging multiple donor agencies, and leveraging the successful track record of the Regional Center in attracting past funds. - Political/Geopolitical Risk: Stability in African countries impacting participation. Mitigation: Strong partnerships with the African Union, regional bodies, and national governments. - Capacity Building Effectiveness Risk: Ensuring training leads to tangible improvements. Mitigation: Tailored programs, expert trainers, practical components, and post-training evaluation. - Constraints or bottlenecks to finance: Absence of committed donors at this stage. Lengthy negotiation processes with international funding bodies.
Constraints or bottlenecks to finance	The primary constraint to securing the necessary investment for PACWA's comprehensive enhancement is the current absence of explicitly committed donor agencies or funding bodies at this preliminary stage of the project concept. While the need for strengthening climate adaptation and water management capacities across Africa is widely recognized, translating this need into immediate financial commitments requires navigating lengthy and often complex negotiation processes with international funding institutions and multilateral organizations. This can lead to significant delays in project initiation and implementation, despite the urgency of the challenges PACWA aims to address. Overcoming this bottleneck is crucial for moving from concept to concrete action."
CONTACT INFORMATION	
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