**Climate Risk Informed Decision Analysis (CRIDA)**

**to Bridge the Gap between Science and Policy Making**

The Climate Risk Informed Decision Analysis (CRIDA) method[[1]](#footnote-1) aims to bridge the gap between science and policy makers to achieve water security through robust water resources planning under climate uncertainty. CRIDA is a novel planning approach embodying a suite of complementary methods, including *decision scaling[[2]](#footnote-2)* and *adaptation pathways[[3]](#footnote-3)*. CRIDA provides guidance to the engineer or planner who are tasked with supporting decision makers in water resources planning, but are overwhelmed by the science needed to ensure risk informed decisions. The Alliance for Global Water Adaptation (<http://alliance4water.org/>) hopes to build institutional capacity for water resources planning under climate uncertainty through a CRIDA guidance manual, trainings in the CRIDA method, and an online community of practice to share CRIDA case studies and receive feedback on the strengths and limitations of the method in real-world applications.

There are many opportunities for both integration and collaboration of the CRIDA method and AGWA team with the Climate Services for Enhanced Water Management Project. These include:

**Activity 1: Improve integrated drought risk management towards a policy for drought preparedness**

Integration: Application of the CRIDA method within the LAC region for long-term water resources planning would *“Contribute to the development of drought preparedness policies and mitigation*”.

Collaboration: Inclusion of the *Developed Methodologies for Impact Assessments* within the CRIDA method would strengthen applications in the LAC region.

**Activity 2: Training of multiple stakeholders to strengthen capacities on climate services targeting water resources management and to increase resilience to climate hazards**

Integration: While many of the listed actions target more real-time water management capacity building, the AGWA team could support capacity building for long-term planning which would be strengthened by the climate services provided through these stakeholder workshops.

**Activity 3: Strengthening of the community of practice on dryland management (GWADI-LAC) to support development and implementation of climate risk management in the region**

Integration: Integrating the CRIDA community of practice with the GWADI-LAC community of practice would strengthen both efforts. The AGWA team plans to create a web interface for the CRIDA community to ensure that scientific updates, best practices, and applied case studies are continuously incorporated into the CRIDA method.

**Activity 4: Implementation of climate services to improve water management**

Collaboration: Inclusion of the available climate services in the CRIDA guidance manual and web interface would offer the tools to a wider audience.

**Activity 5: Building climate resilient watersheds while enhancing their ecosystem services**

Collaboration: State of the art methods to evaluate ecosystem services would strengthen the environmental aspect of the CRIDA vulnerability assessment.

1. CRIDA is being developed by the International Center for Integrated Water Resources Management (ICIWaRM), Deltares, Rijskwaterstaat, World Bank, and the University of Massachusetts, Amherst. [↑](#footnote-ref-1)
2. Decision scaling is a bottom-up approach to a climate vulnerability assessment, developed by Dr. Casey Brown’s team at University of Massachusetts, Amherst. [↑](#footnote-ref-2)
3. Adaptation Pathways, developed by Dr. Marjolijn Haasnoot at Deltares, is a structured approach to explore an array of future strategies towards climate robustness, ranging in flexibility and immediacy of investments. [↑](#footnote-ref-3)