CRIDA addresses the urgent need to better tailor decision-making under uncertainty to the practice of water management and to improve the capacity of stakeholders, decision makers, and technical water staff together.

The AGWA network seeks to support a paradigm shift in water resources planning and decision making around from what we don’t know about the future to what we know now.

Visit Our Website:
http://agwaguide.org/CRIDA
Climatic, demographic, economic, and ecological variability and trends — future uncertainties — are difficult to predict, prioritize and act upon. That’s why bottom-up approaches for vulnerability assessment and robust and flexible decision making are emerging.

How can we mainstream those robust, flexible approaches to uncertainty in water management?

The challenge is in operationalizing these approaches. How can we translate science into practice? How can we institutionalize these methods into consistent, replicable, and accessible outcomes?

Collaborative Risk Informed Decision Analysis (CRIDA) is an approach that implements decision scaling and bottom-up vulnerability approaches through Collaborative Step-Wise Planning Procedures and Adaptation Pathways.

CRIDA aims at easy assimilation in the diverse decision-making processes in water management found across the world.

CRIDA will initially launch as a publication, and support a community of practice to rapidly scale up implementation.

**The CRIDA Planning Steps**

The CRIDA approach consists of five steps that are structured to align with and supplement other planning and design processes. CRIDA is specifically designed to support technical staff, stakeholders, and decision makers implementing effective decisions under conditions of deep uncertainty.

1. **Decision Context**
   - Participatory scoping: define the problem, describe the system and uncertainties, set objectives and performance metrics
   - Define vulnerability domain with a stress-test
   - Assess plausibility and impact of vulnerable state
   - Implement data diagnosis to determine analytical uncertainty

2. **Bottom-up Vulnerability Assessment**
   - Identify robust strategy based on a level of concern
   - Formulate adaptation actions and stress test
   - Development of adaptation pathways

3. **Formulate Robust & Flexible Actions**
   - Continue monitoring: if not vulnerable
   - Identify robust strategy based on a level of concern
   - Formulate adaptation actions and stress test
   - Development of adaptation pathways

4. **Evaluate Plan Alternatives**
   - Continue monitoring: if not vulnerable
   - Identify robust strategy based on a level of concern
   - Formulate adaptation actions and stress test
   - Development of adaptation pathways

5. **Institutionalize Decisions**
   - Recommend implementation plan based on institutional capabilities and level of concern
   - Monitor

   → Reassessment, if needed