

Introduction to CRIDA

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Kruger to Canyons Biosphere Reserve
South Africa

Climate Risk Informed Decision Analysis (CRIDA)

Collaborative Water Resources Planning for an Uncertain Future



Climate Risk Informed Decision Analysis (CRIDA)

Collaborative Water Resources
Planning for an Uncertain Future



The **Climate Risk Informed Decision Analysis (CRIDA)** was established in 2018 to support Member States to bring Climate Change Adaptation to the local level through a bottom-up approach, actively involving local stakeholders.

<https://www.unesco.org/crida>

There is a clear need to make climate change adaptation a **Collaborative Process**



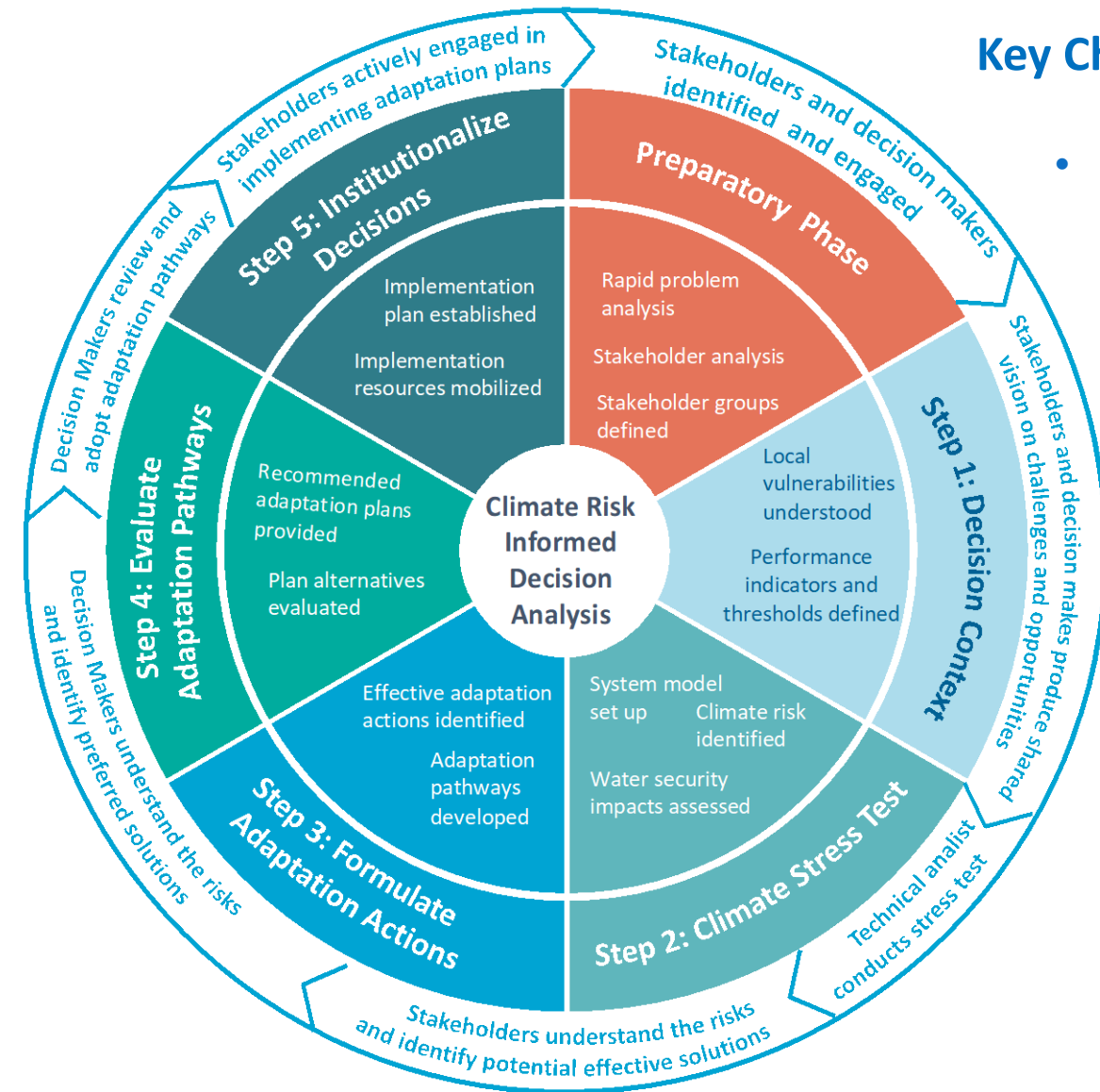
CRIDA kick-off in 2018



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Key Characteristics:

- Science-based climate change adaptation process
 - Thorough understanding of the hydrological processes and ecosystem services
 - Definition of critical thresholds
 - Climate (and non-climatic) stress testing
 - Assessment of co-benefits and proposal of adaptation pathways
 - Economic assessment of adaptation plans
- Stakeholders and decision makers are involved throughout the process to
 - Identify the Decision Context
 - Identify locally-led adaptation options
 - Prioritize adaptation actions
 - Institutionalize decisions



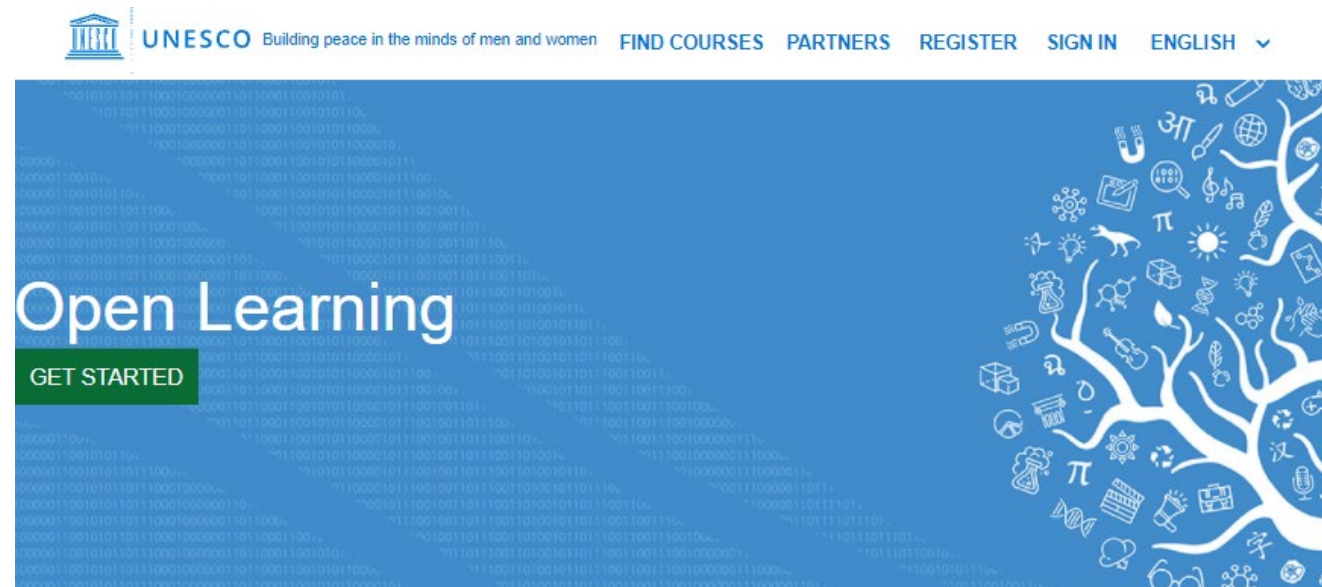
Open and Online Capacity Building as a tool for upscaling CRIDA



A **CRIDA online course** was developed in 2020, reaching already **>4500 learners from 169 countries**.

The CRIDA course is now available in **English, Spanish and French, Arabic and Portuguese**.

<https://openlearning.unesco.org/>



 <p>UNESCO CRIDA0001</p> <p>Introduction to Climate Risk Informed Decision Analysis (CRIDA)</p> <p>Starts: Mar 1, 2022</p>	 <p>CRIDA CRIDA0001_ES</p> <p>Análisis de decisiones basadas en el riesgo climático (CRIDA)</p> <p>Starts: Mar 23, 2022</p>	 <p>UNESCO CRIDA0001</p> <p>Introduction à l'Analyse Décisionnelle basée sur le Risque Climatique (CRIDA)</p> <p>Starts: Nov 14, 2022</p>	 <p>UNESCO CRIDA0001</p> <p>مقدمة في تحليل القرار المستنير بالمخاطر المناخية</p> <p>Starts: Nov 14, 2022</p>	 <p>Ongoing</p> <p>UNESCO CRIDA_PT</p> <p>Introdução à Análise de Decisões Informadas sobre Riscos Climáticos (CRIDA)</p> <p>Starts: Anytime</p>
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Towards CRIDA 2.0 - Past achievements and Way Forward

30 October 2023

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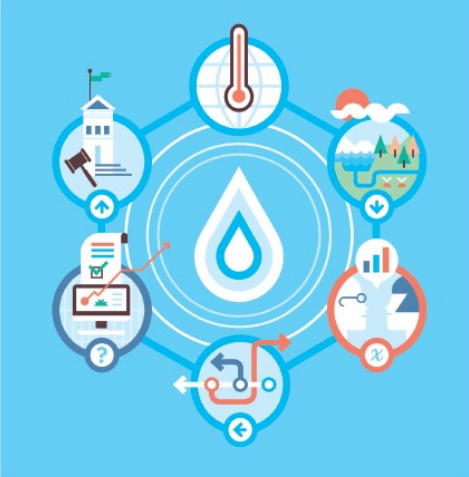
Análisis de decisiones basadas
en el riesgo climático (CRIDA)

Planificación colaborativa de los
recursos hídricos para un futuro incierto



Analyse décisionnelle basée
sur le risque climatique (CRIDA)

Planification collaborative des ressources
en eau en prévision d'un avenir incertain



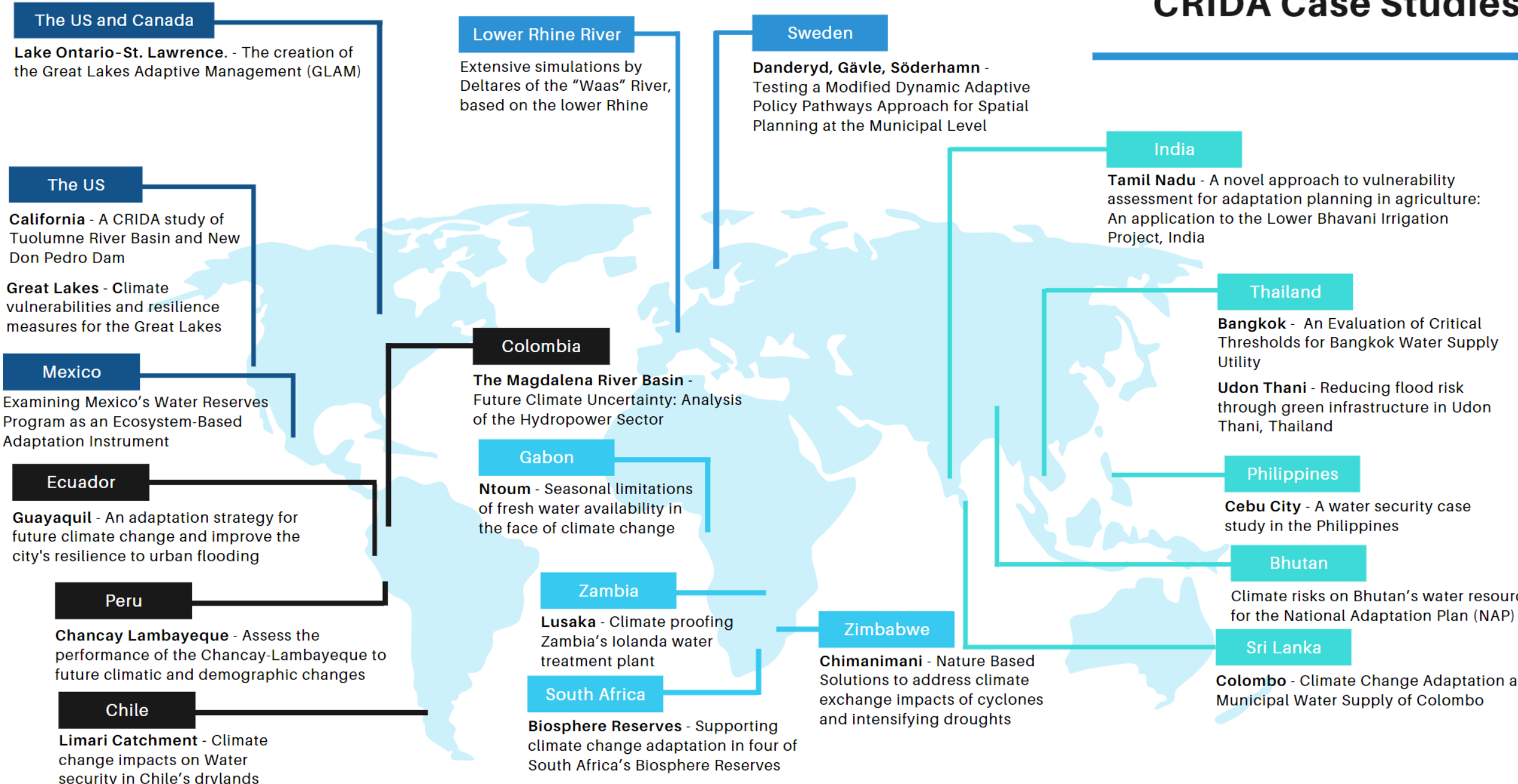
تحليل القرار المستنير
بالمخاطر المناخية (CRIDA)

التخطيط التعاوني للموارد المائية
لمواجهة مستقبل من عدم اليقين

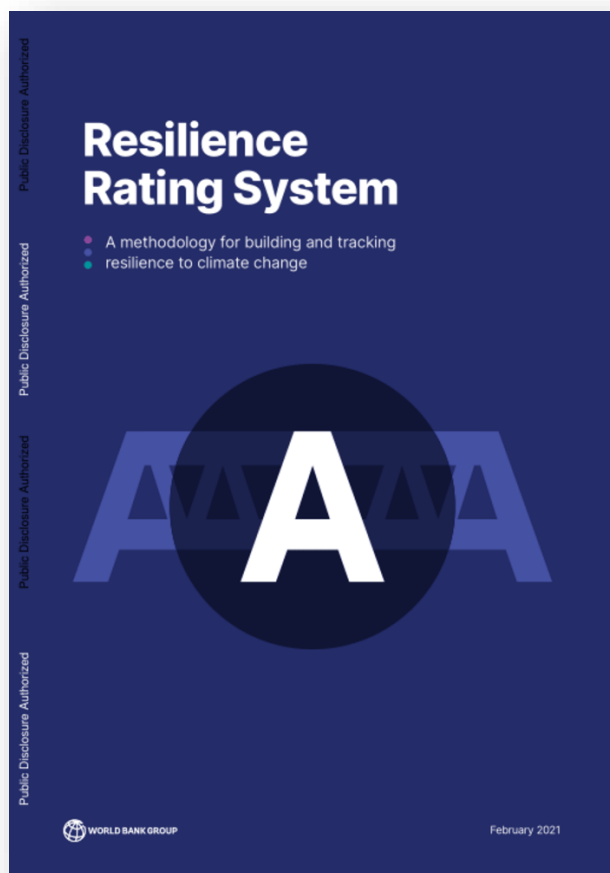


More than 25 CRIDA Case Studies have been implemented in 22 countries so far

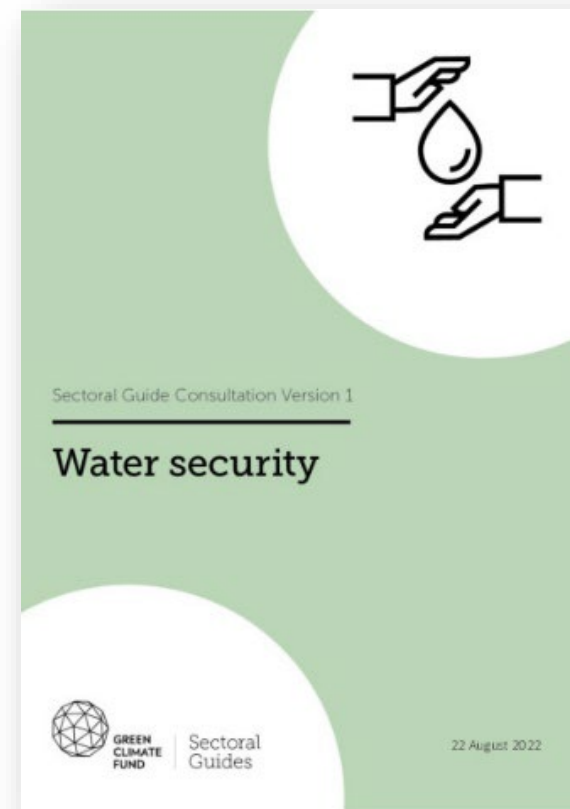
CRIDA Case Studies



CRIDA recognized in International Frameworks



The **World Bank** approved CRIDA as an **A+** methodology for resilience building of infrastructure investments



The **Green Climate Fund (GCF)** recognized CRIDA as a key methodology in their guidelines to develop resilience building projects for the water sector.



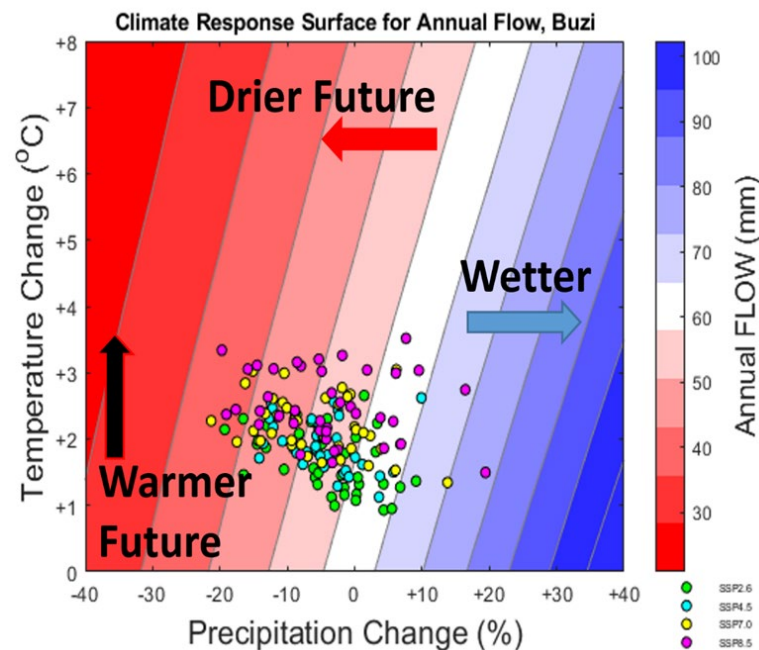
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Case studies : Bottom-up approaches to disaster risk management and climate change adaptation in action

Offsetting the impact of flooding from **cyclones** and **persistent droughts** in **Zimbabwe**

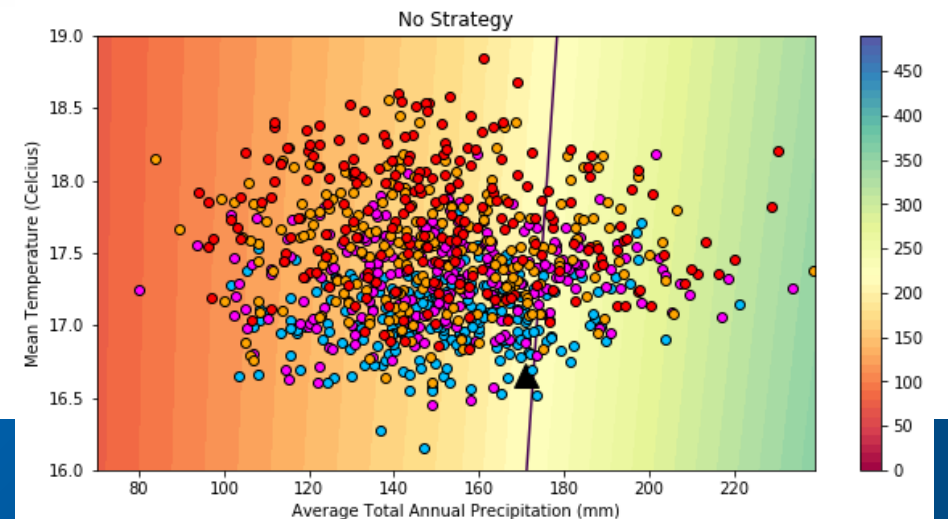
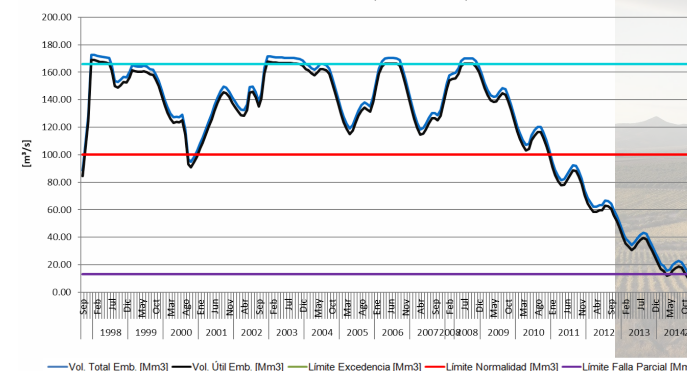


Translating climate impacts to **Performance indicators** and **Critical Thresholds**



Addressing the challenge of **multi-year droughts** in the Limari River Basin, Chile

Evolución Embalse Sta Juana Septiembre 1997 - Febrero 2015
Volumen Acumulado (Millones de m³)



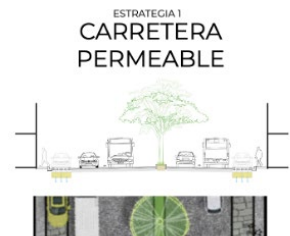
Case studies : Bottom-up approaches to disaster risk management and climate change adaptation in action



Implementing **nature-based solutions** in Udon Thani, **Thailand**, to adapt to climate change and rapid urbanization



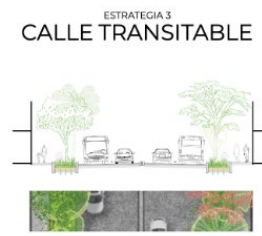
Using **nature-based solutions** for flood resilience in Guayaquil, **Ecuador**



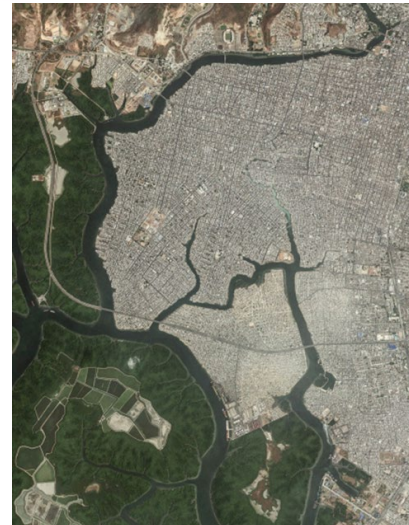
Rediseñar la calle manteniendo su actual sección funcional.



Rediseñar la calle reemplazando la berma con una continua y lujosa bioswale.



Rediseñar maximizando el espacio transitable e introducir verde en las rutas peatonales

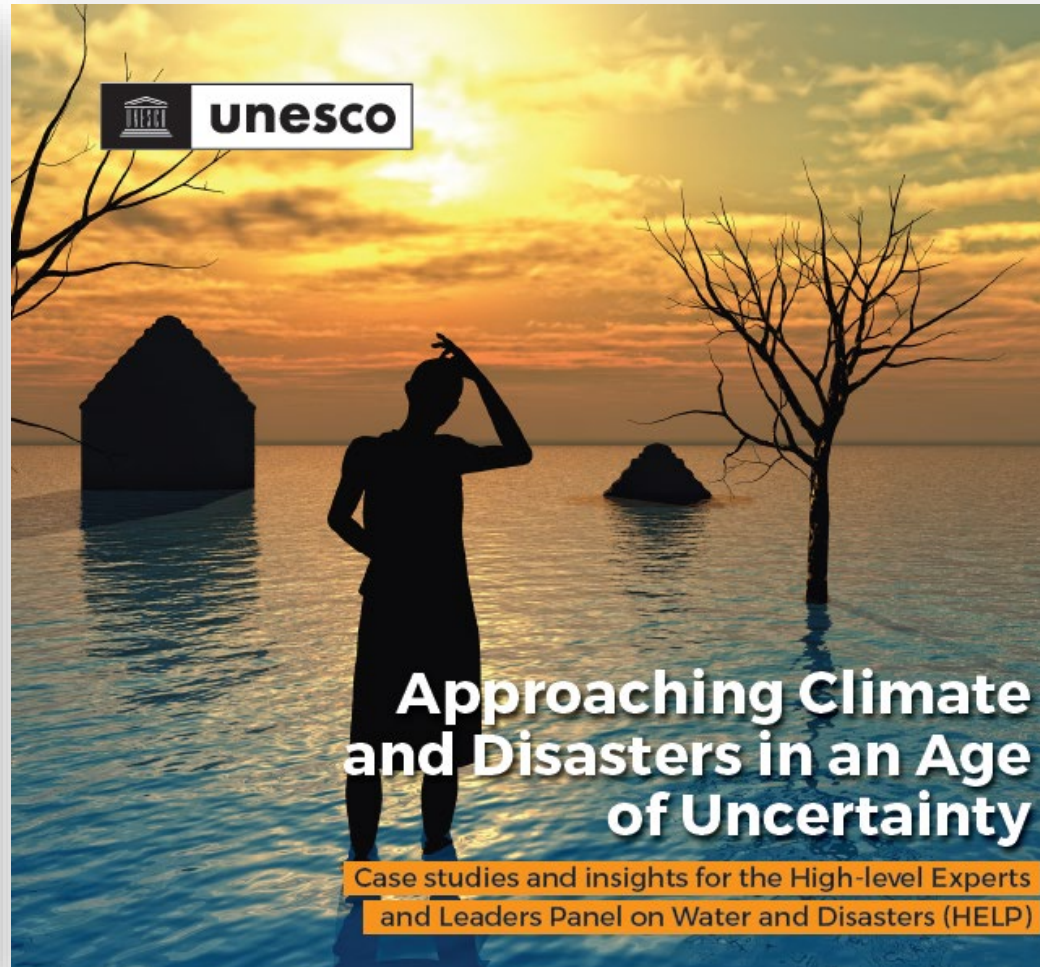


Different levels of CRIDA Analysis

	Outputs	Input into GCF processes	Duration
Level I: National level Assessment	<ul style="list-style-type: none">• A rapid assessment of climate change risks for water security at national level.	Basic and national level climate narrative for project concepts for Readiness Funds	4 months
Level II: Sub-national Level	<ul style="list-style-type: none">• Climate Risk Assessment to develop a National Adaptation Plan for Water Resources• Identification of hotspots for climate change adaptation	Climate narrative and detailed analysis for Project Preparation Grant for identified hotspots	6 months to 1 year
Level III: Local/project Level	<ul style="list-style-type: none">• A climate risk assessment and adaptation pathway to address the climate change impact on the water security for a local hotspot or priority area.	In-depth climate narrative and stakeholder engagement for Full Project Proposal development	1 to 1.5 year

Key Publications

Planning Water Resilience from the Bottom-Up to Meet Climate and Development Goals



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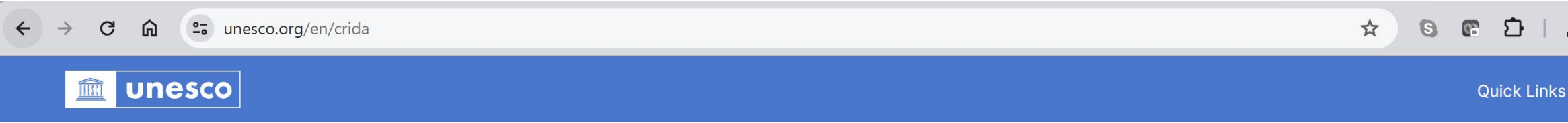
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CRIDA
Climate Risk Informed
Decision Analysis



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CRIDA at a glance

5 →

Language versions of the CRIDA manual are available

(English, French, Spanish, Portuguese and Arabic)

22

Countries have applied the CRIDA methodology

25

Case studies

3,096 →

People trained



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Intergovernmental
Hydrological Programme

More information:



www.unesco.org/crida



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