

1F2: IMPROVING RESILIENCE AND ADAPTATION TO CLIMATE CHANGE, CRISES AND EXTREME WATER DISASTERS THROUGH STRATEGIES, PLANNING AND SOCIAL CAPACITY BUILDING

Building climate resilience through transboundary cooperation in the Amazon

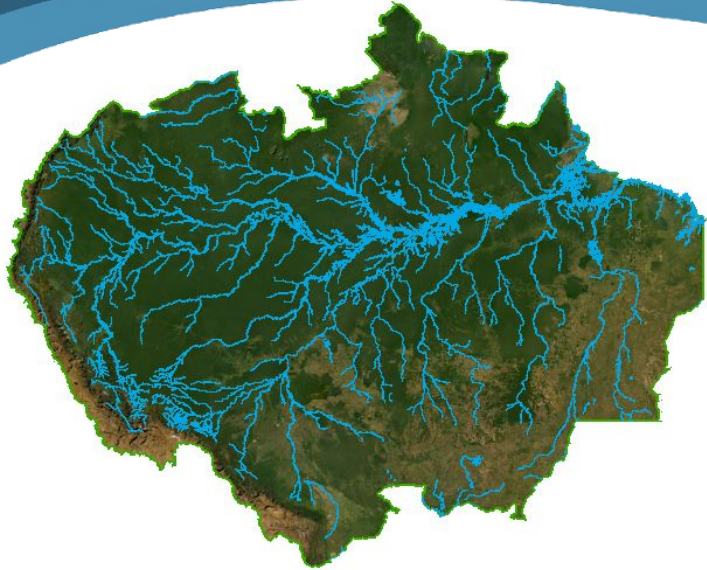


Marcela Ibacache
PS/ACTO

Dakar, March 24, 2022



Building climate resilience in the Amazon through transboundary cooperation



- Complex and inter-connected system.
- **Climate change impacting** life of Amazonian people and equilibrium:
 - (i) Andean-Amazonian tropical glaciers;
 - (ii) Floods and draughts;
 - (iii) Sea level rise and coastal erosion in the Amazon delta and coastline.
- **Multilevel adaptation measures**



BOLIVIA



BRAZIL



COLOMBIA



ECUADOR



GUYANA



PERU



SURINAME



VENEZUELA

TRANSBOUNDARY COOPERATION

- Political Dialogue
- Knowledge And Information Exchange
- Regional Cooperation



WORK TOPICS

- Water
- Forest
- Biodiversity
- Indigenous peoples
- Health
- Infrastructure
- Energy
- Transportation
- Climate change

1978

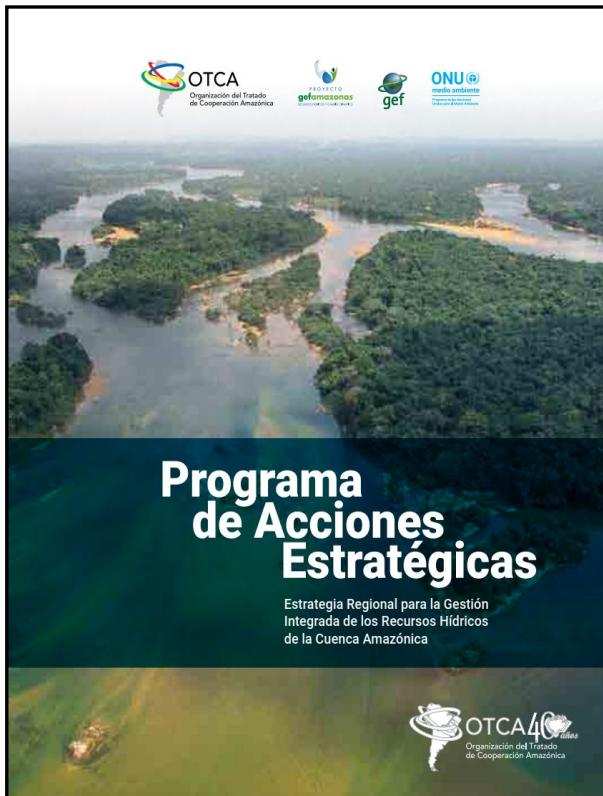
The Amazon Cooperation Treaty (ACT) was signed in July 3, 1978

1998

The Amazon Cooperation Treaty Organization (ACTO) was created in 1998

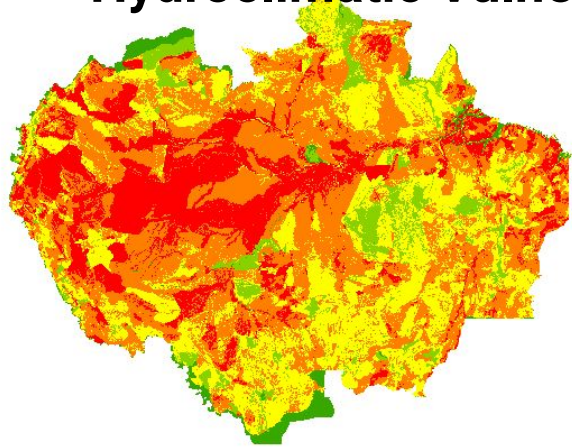
2002

Permanent Secretariat of ACTO, inaugurated in 2002, in Brasília, Brazil



- Regional Strategy for IWRM.
- Strengthening water governance.
- Permanent IWRM Coordination :
 - ✓ Common principles and standards,
 - ✓ Regional platform,
 - ✓ Financial instruments and gender mainstreaming
 - ✓ Regional cooperation mechanisms.

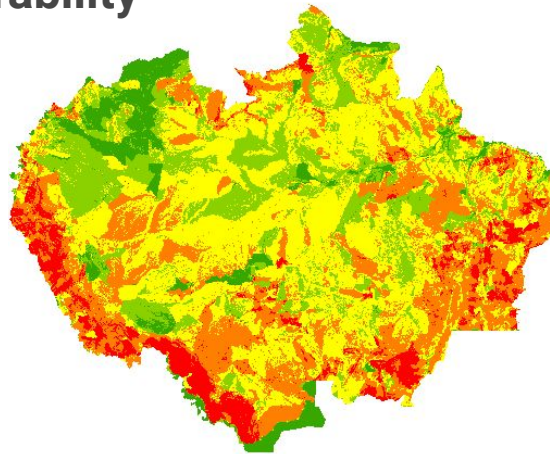
Hydroclimatic Vulnerability Atlas



Flood Vulnerability

NIVELES DE VULNERABILIDAD Y SENSIBILIDAD

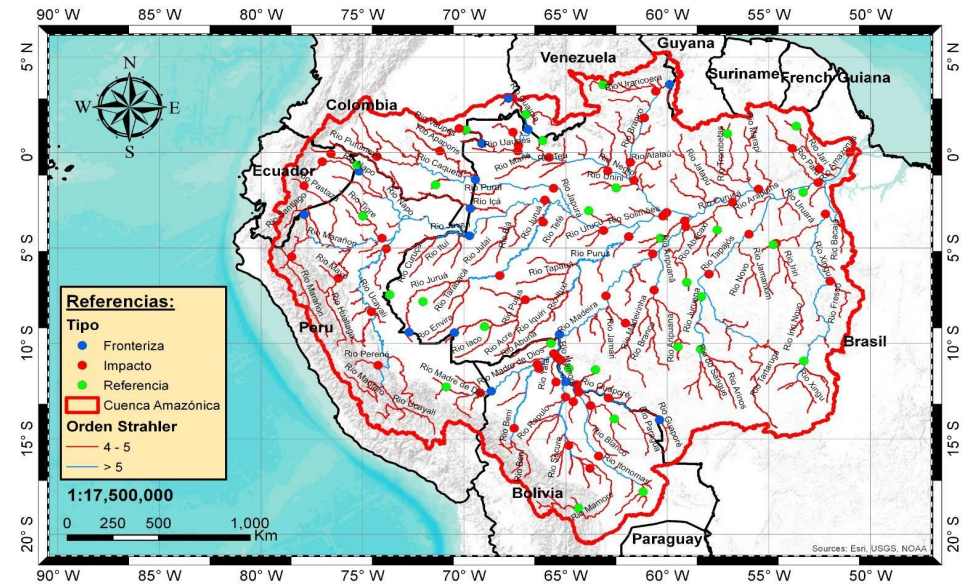
Color	Nivel	Valor
Red	Muy alta	5
Orange	Alta	4
Yellow	Media	3
Light Green	Baja	2
Dark Green	Muy Baja	1



Drought Vulnerability



Regional Monitoring System



Amazon Hydrological Network (AHN)

Water Quality Monitoring Network (WQN)

Extreme Events Situation Room

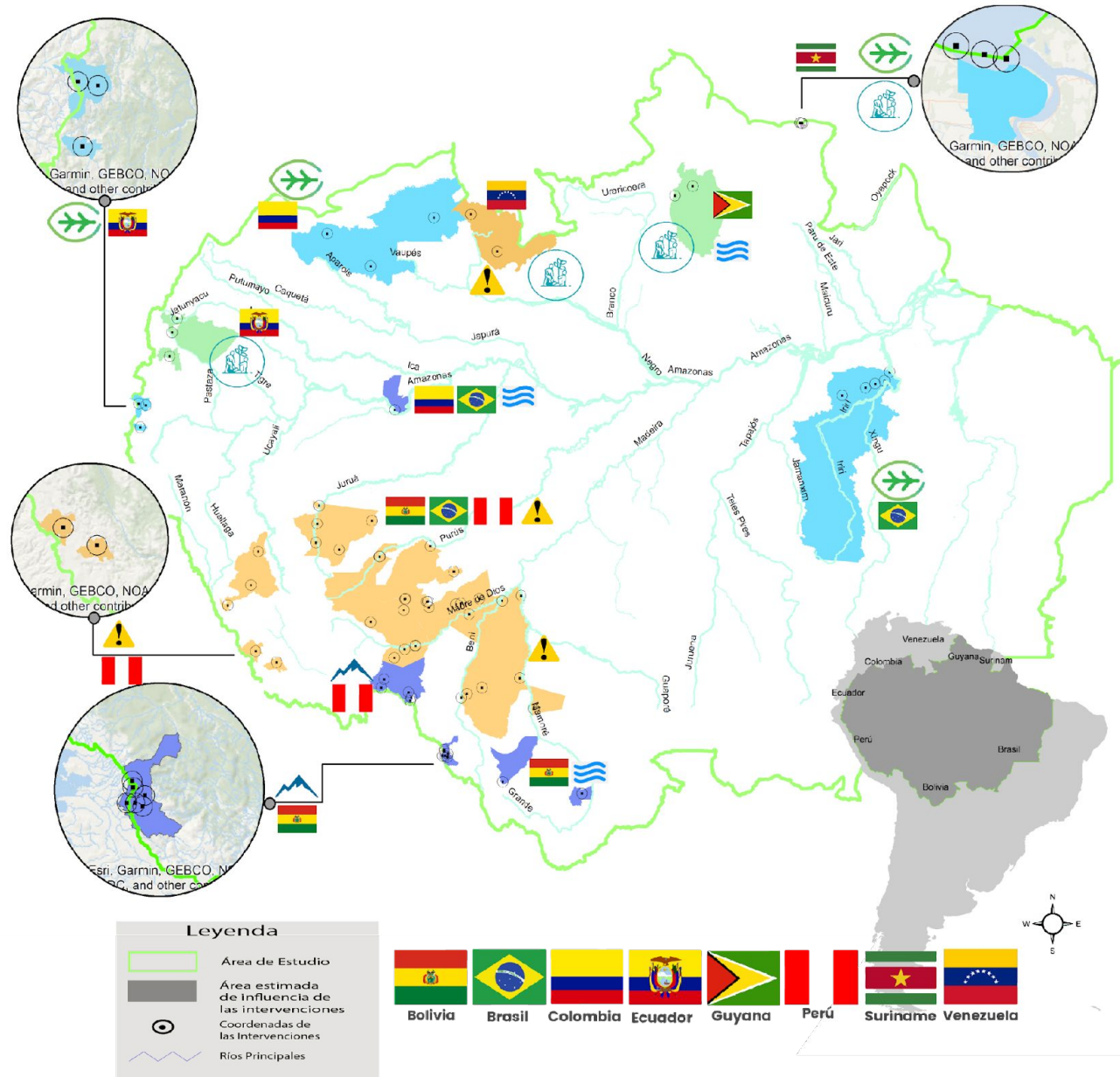


**AMAZON
PROJECT**
REGIONAL ACTION IN THE
AREA OF WATER RESOURCES








NATIONAL INTERVENTIONS - PROJECT "AMAZON BASIN" - IMPLEMENTING THE STRATEGIC ACTION PROGRAM (SAP)

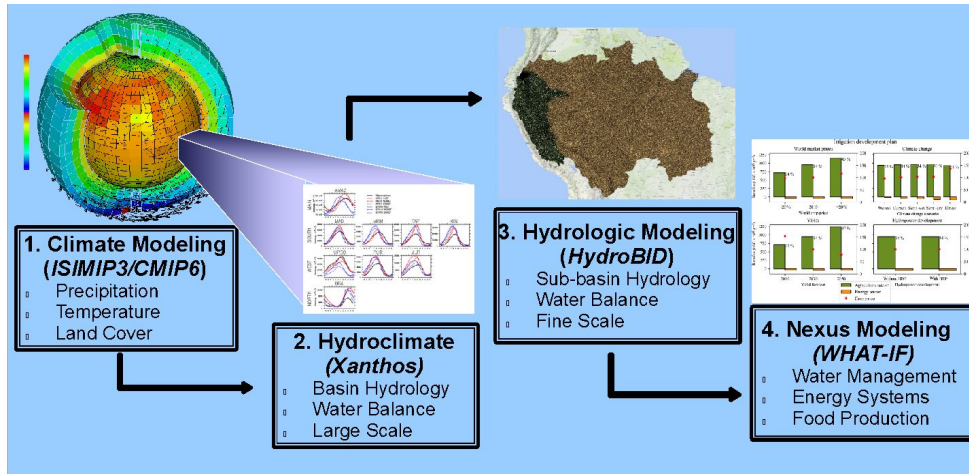
Climate resilience at the ecosystem level: adaptation measures from source to sea



Interventions

-  Innovative incentive-based financing mechanisms for IWRM
-  Forecasting and alert systems to respond to extreme event occurrences
-  Natural Infrastructure interventions to protect local communities and coastal ecosystems
-  Water-use efficiency and alternative water supply solutions (glaciers)
-  Water-use efficiency and alternative water supply solutions (Groundwater)

Multi-sectoral WATER-FOOD-ENERGY NEXUS MODEL for the Amazon



- ✓ **Cross-border water availability analysis for the provision of basic services (IDB-ACTO)**
- ✓ **Cross-border strategic plan for the provision of basic services and solid waste management**
- ✓ **Regional information and knowledge module on modernization and innovation**
- ✓ **Study on inequality and structural gaps in the Amazon Region, with an emphasis on the provision of basic services**

STRATEGIC PARTNERS

