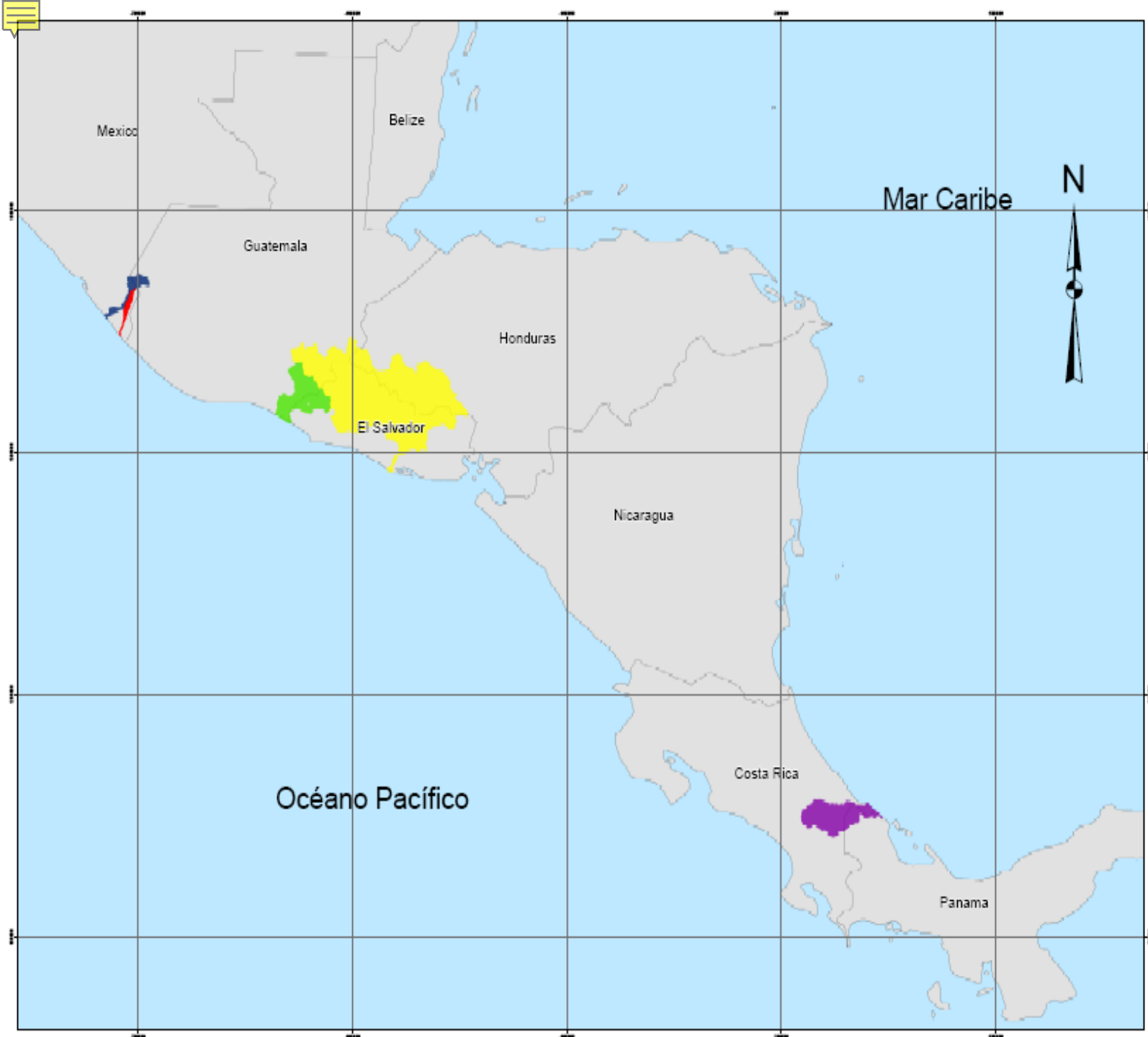




*Building regionally and nationally tailored-based
Ecosystem based **Adaptation (EbA)** in Mesoamerica*



Cuencas dentro del proyecto Buena gobernanza del agua para la adaptación


- SIMBOLOGÍA**
-  Cuenca río Paz
 -  Cuenca río Sixaola
 -  Cuenca río Coatán
 -  Cuenca río Caohacán
 -  Cuenca río Lempa

Proyección UTM17 N Datum - WGS84

Escala 1 : 2.500.000

Kilómetros

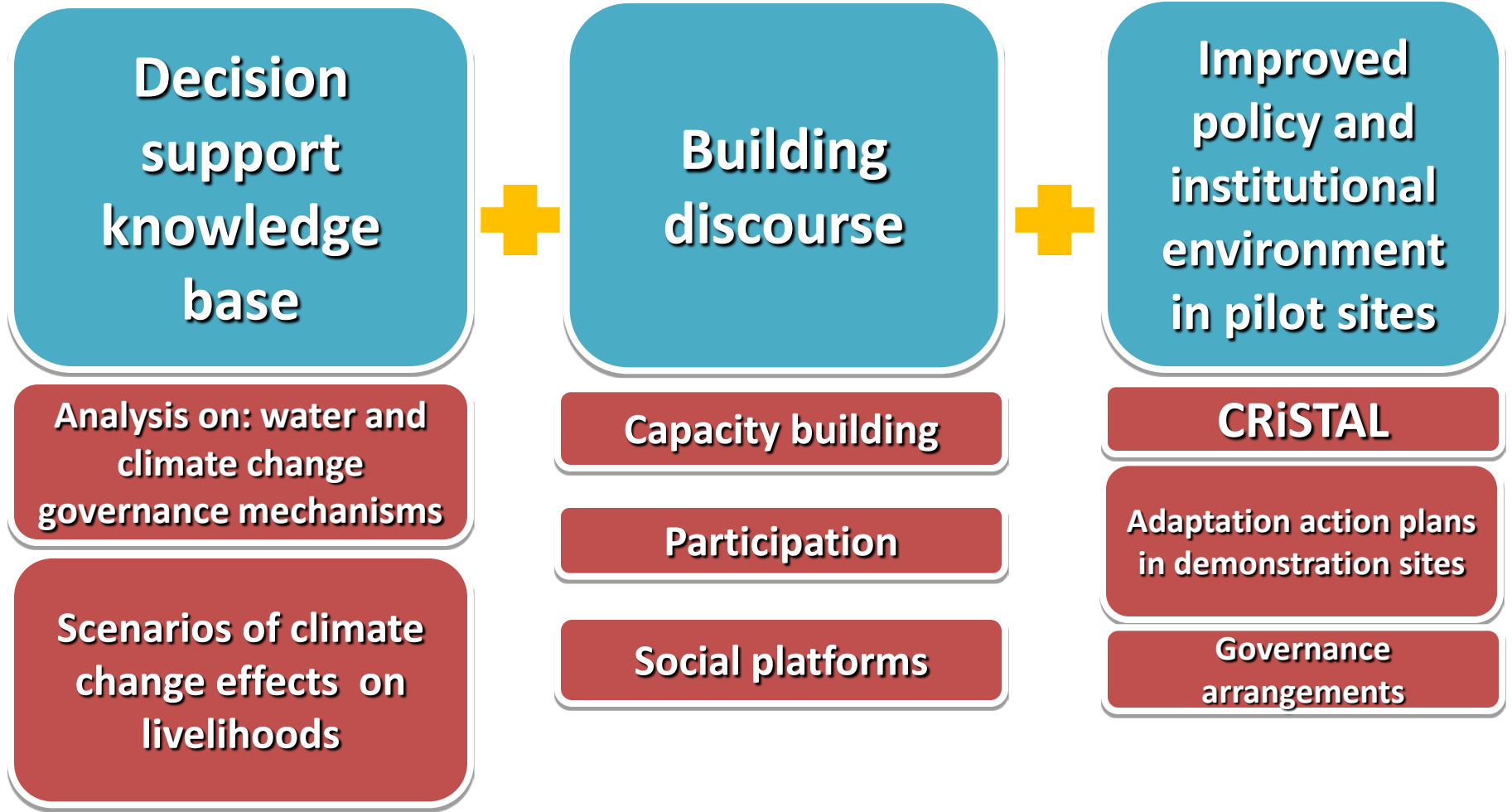
0 50 100 200



Elaborado por:
UICN - Buena gobernanza del agua para la adaptación

Fuente:







The project's approach

- Transboundary basins
- Demonstration sites: at the micro-basin level
- Strengthening livelihoods
- Building resilience of ecosystems
- Building capacities for good water governance
- Strengthening existing water platforms at the basin and micro-basin level

Adaptation action plans



**Pilot sites
identification**



**Stakeholder
identification**



**Capacity
building
CRISTAL
application
and
validation
with
communities**



**Water and
climate
change
governance
mechanisms
Study
&
Climate
Scenarios**



**Elaboration of
adaptation
action plan**

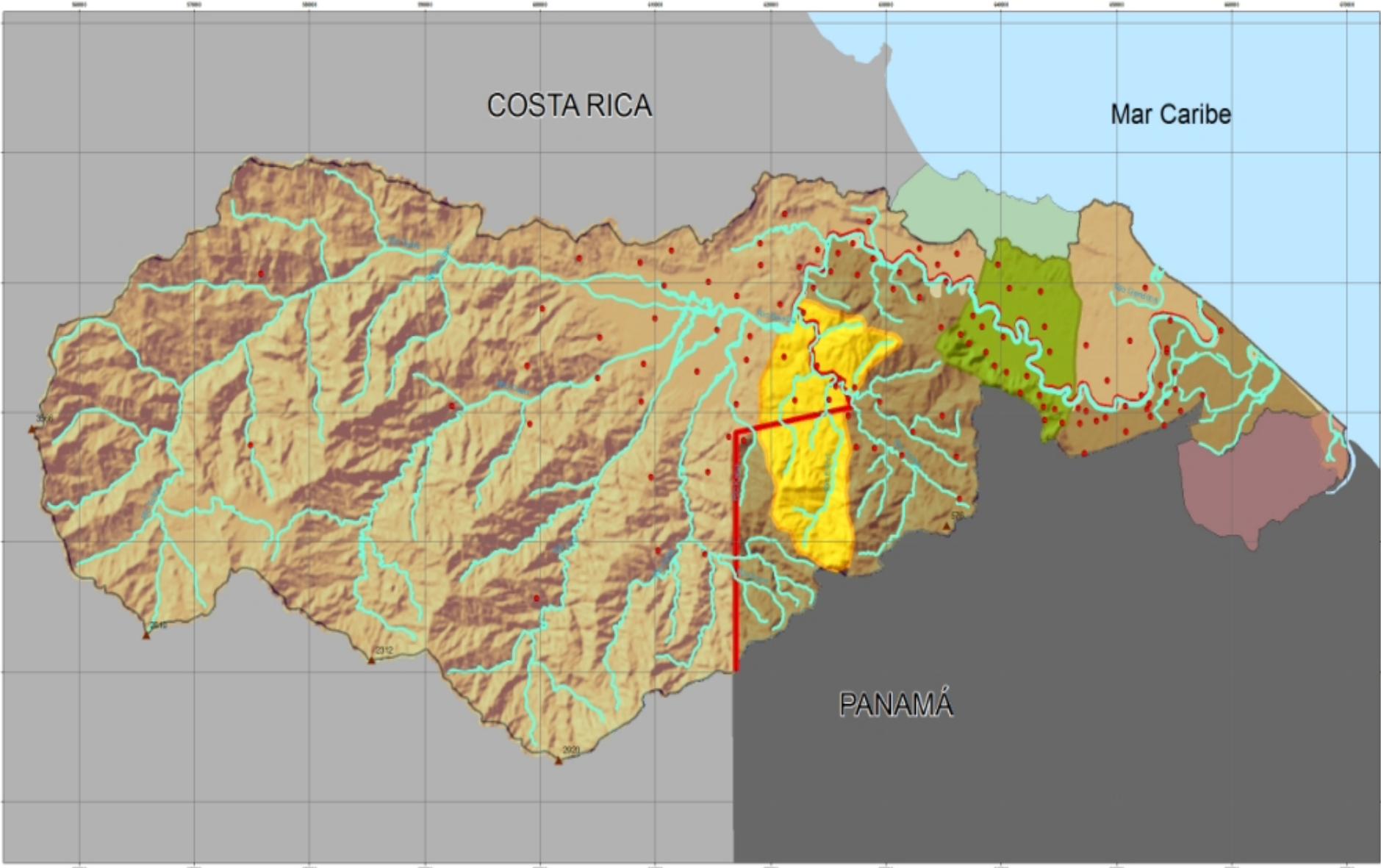


**Implementati
on of
adaptation
action plan**

Community-based Risk Screening – Adaptation and Livelihoods

- Combining a secured natural resource base, reduced exposure to natural hazards, and diversified livelihood activities can increase local resilience to CC
- CC adaptation strategies must be rooted locally, based on local conditions, strengths and needs





**Subcuencas
Bajo Yorkín
y Sixaola Medio**

Simbología

- Ríos
- Límite internacional
- Poblados

Áreas de influencia

- Sixaola medio (11.004 Ha)
- Bajo Yorkín (14.080 Ha)
- Puerto Viejo
- Changuinola

Proyección UTM17 N
Datum - WGS84

0 2,5 5 10 15 Km

Elaborado por:
UICN - Buena gobernanza
del agua para la adaptación

www.uicn.org

Fuente de los ríos:

Subcuencas Bajo Yorkín y Sixaola Medio

Simbología

- Poblados
- Ríos
- Límite internacional
- Sixaola medio (11.223 Ha)
- Bajo Yorkín (14.080 Ha)

Proyección UTM17 N
Datum - WGS84

Curvas de nivel cada 100 m

0 0,5 1 2 3 4 5 Km



Elaborado por:
UICN - Buena gobernanza del agua para la adaptación

Asesorado por:
UICN

Ministerio Federal de Medio Ambiente, Protección de la Biodiversidad y Seguridad Hídrica

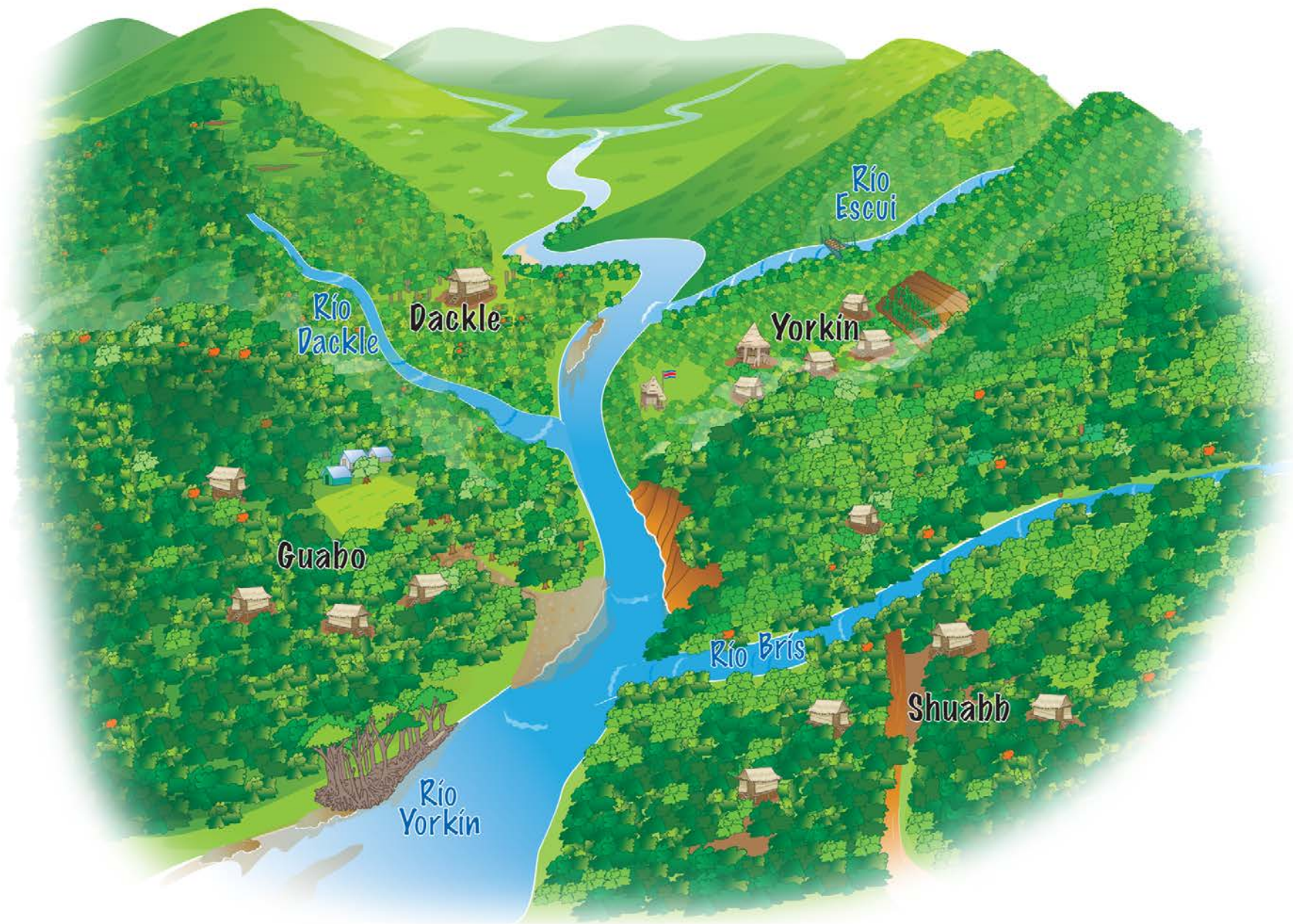
Fuente

BID

CCAD

UNEP





Río Dackle

Dackle

Río Escui

Yorkin

Guabo

Río Bris

Shuabb

Río Yorkin

Risks and impacts of climate extremes



Retaining wall against flooding. To the right, banana plantations (**Panama**)



Destroyed road by changes in the river path. To the left, plantain crops (**Costa Rica**)

Livelihoods and vulnerability

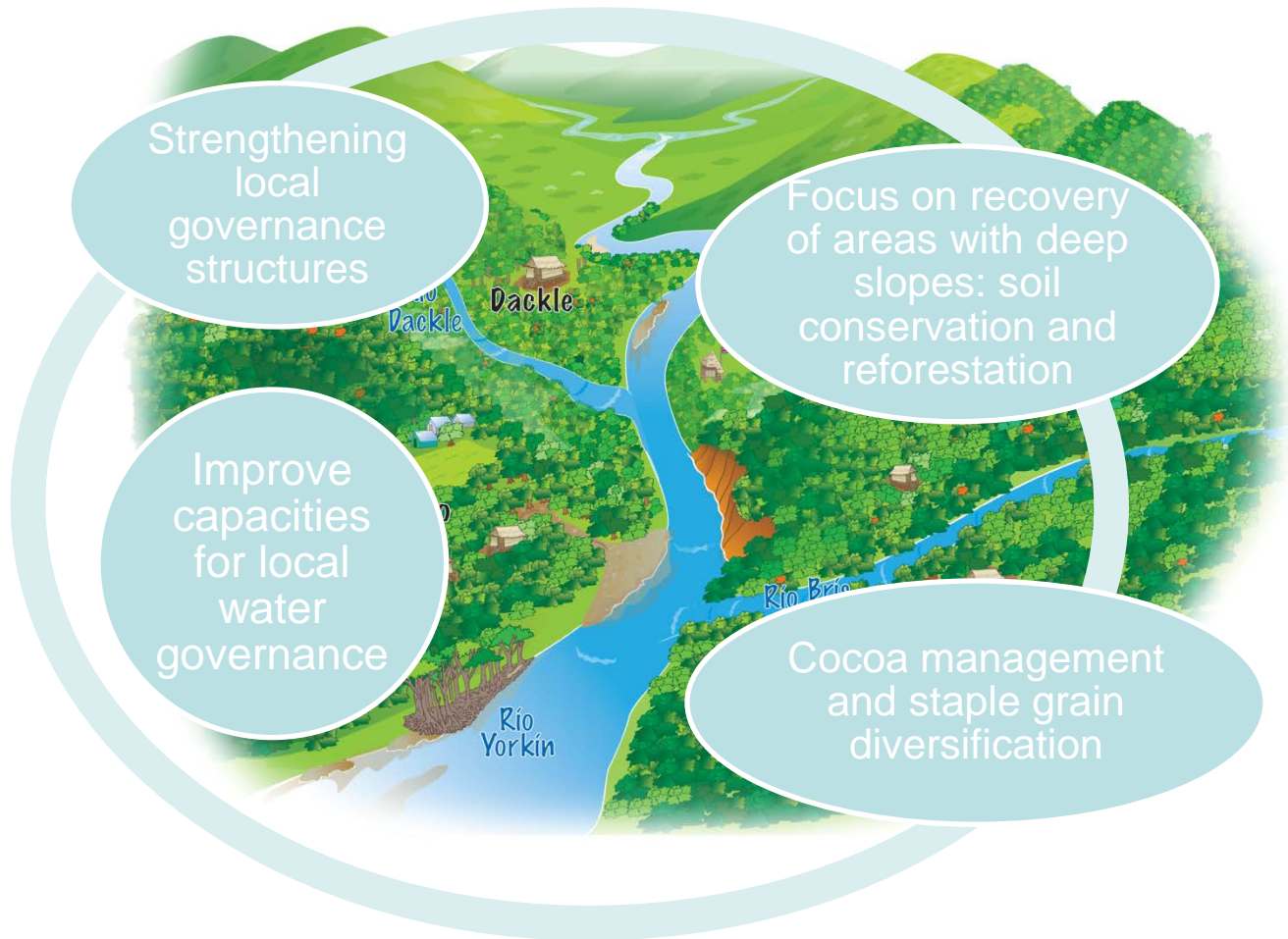


Up to 80% of yield production loss (cocoa plantation) – main income source

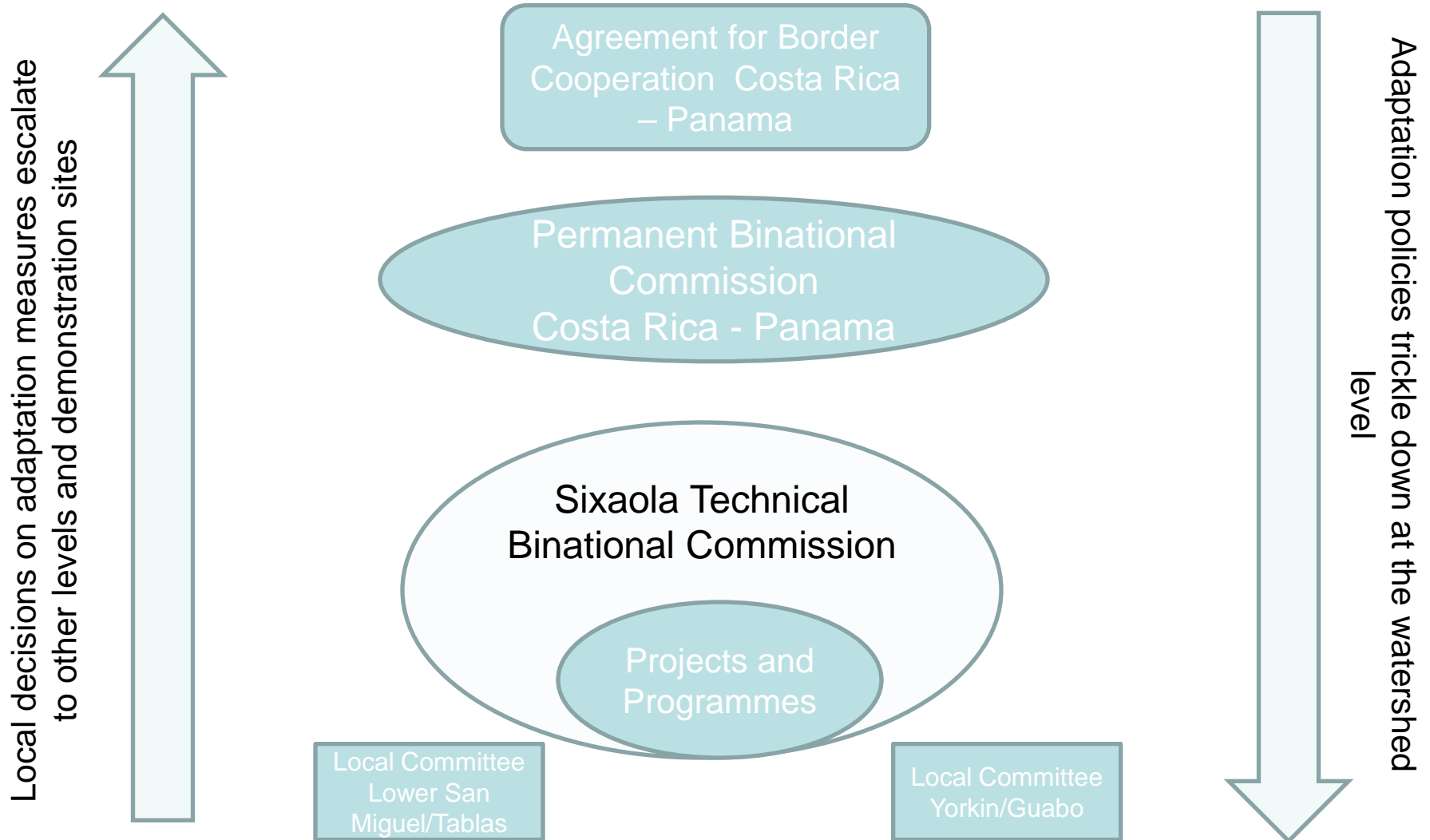


Sedimentation due to upstream deforestation and flash floods. Direct impacts in transport and commerce

Adaptation action plan in the Yorkin micro watershed



Governance structure – Sixaola watershed





Supported by:



based on a decision of the Parliament
of the Federal Republic of Germany

***Nature based solutions are our best chance to
confront climate change***

