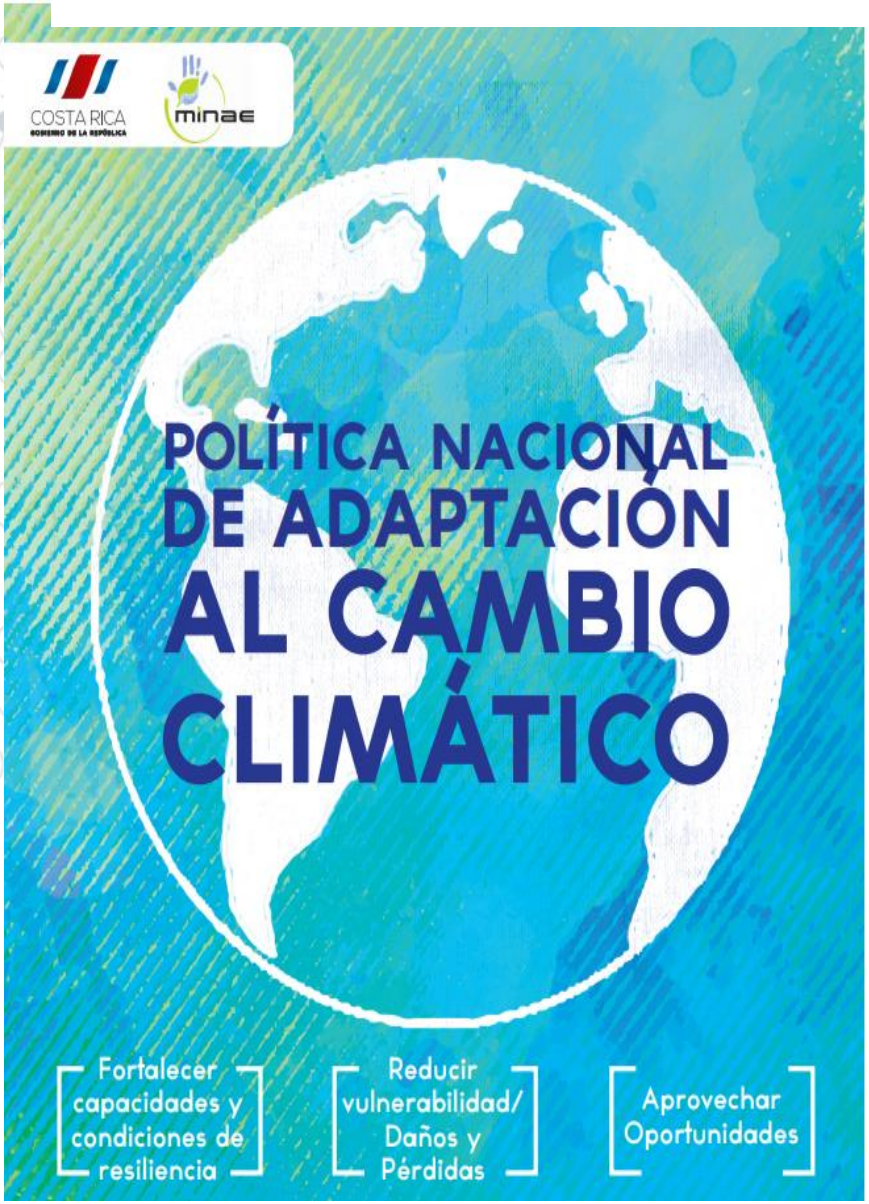
National Adaptation Policy of Costa Rica

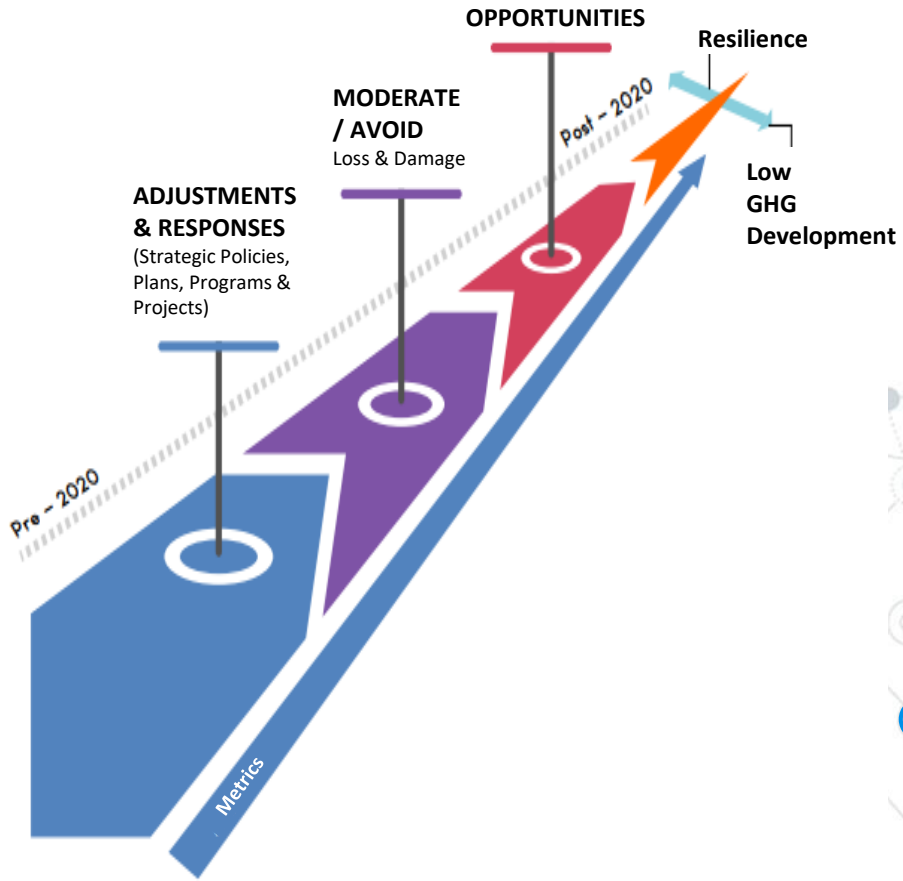
Strengthen capacities and resilience conditions → Reduce vulnerability/Loss & Damage → Take advantage of opportunities

Andrea Meza, Director of Climate Change Department, Ministry of the Environment & Energy

NATIONAL ADAPTATION POLICY TO 2030: ALLIGNED TO NDC & SDG

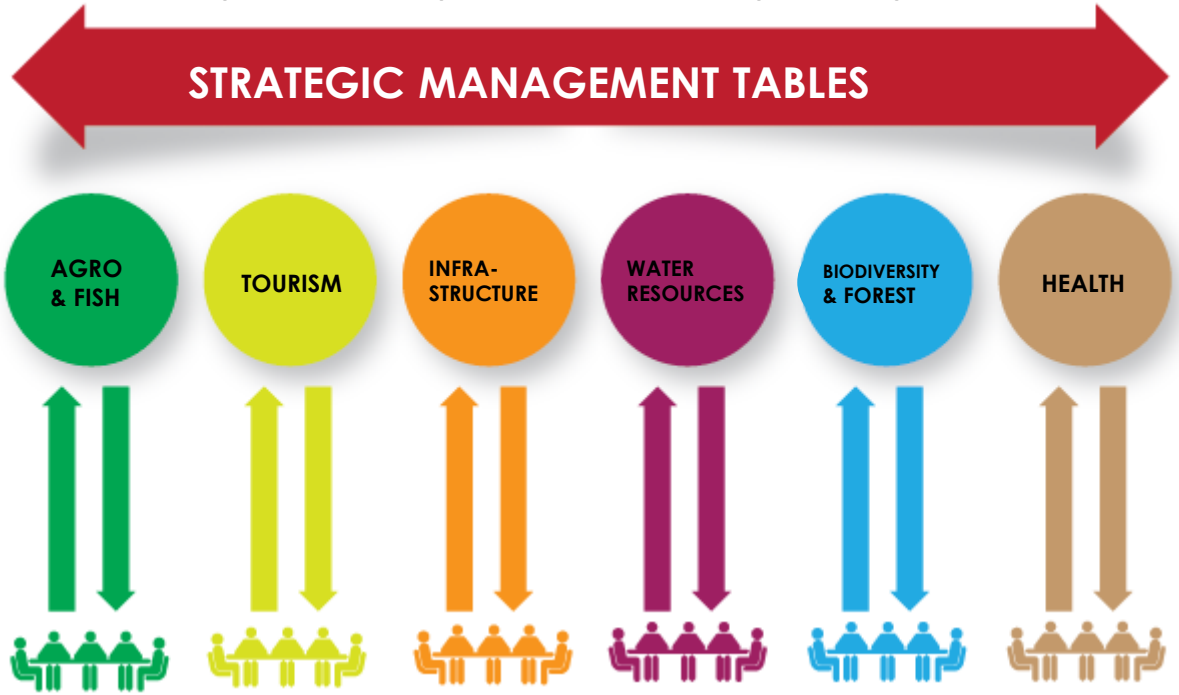


Towards a resilient and decarbonized development with a transformative vision



Presidential Environmental Council
Sectoral Environmental Council

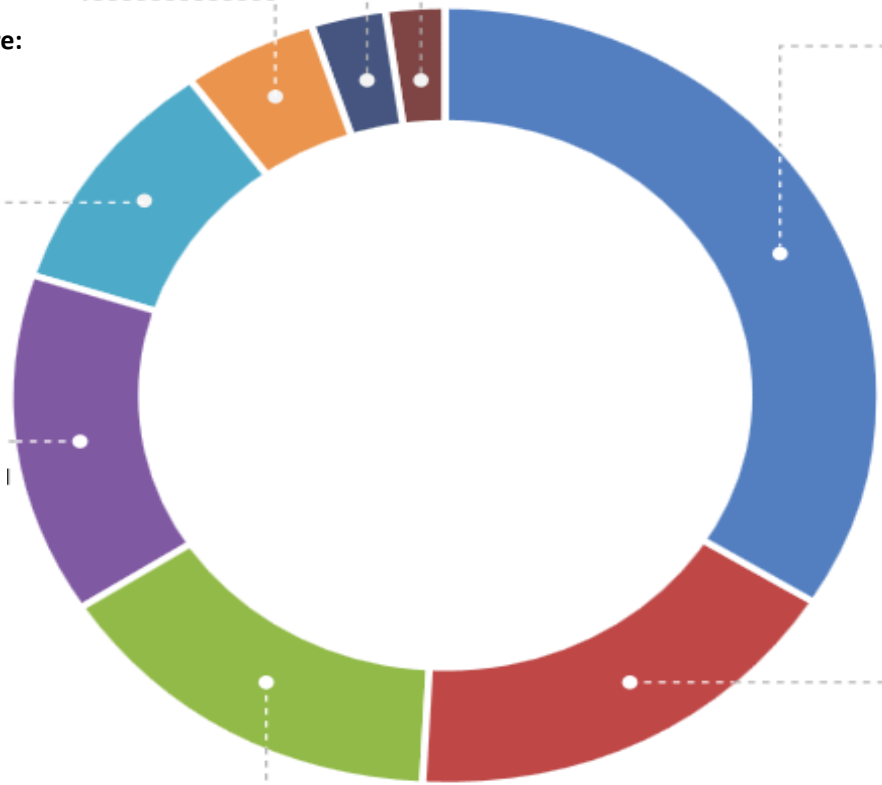
Directive Committe
DCC, MINAE, MIDEPLAN, CNE, IMN



WORKING TABLES

Cross-cutting topics: Disaster Risk Management, Gender, Metrics, Sensitization, Indigenous Population

LOSSES PER SECTOR CAUSED BY HYDROMETEOROLOGICAL EVENTS 2005 & 2017, COSTA RICA



1/ Sistemas eléctricos, energía, telecomunicaciones, ferrovías, viviendas.
2/ Primer impacto, diversas.
3/ Salud, SINAC, Seguridad.
Montos en precios constantes 2015.
Tipo de cambio promedio MONEX 2015.

The National Comission for Risk Prevention and Disaster Relief (CNE) estimates that between 2005 and 2017 losses of USD 2.210 mio. in the area of infrastructure, services and products were registered

69% of those losses correspond to public and private infrastructure works that are assets of development (roads, bridges, sewers, electrical and communication transmission systems)

Total registered losses caused by the tropical storm Nate in 2017 add up to USD 377 mio., equivalent to 1% of the Gross National Product for that same year.

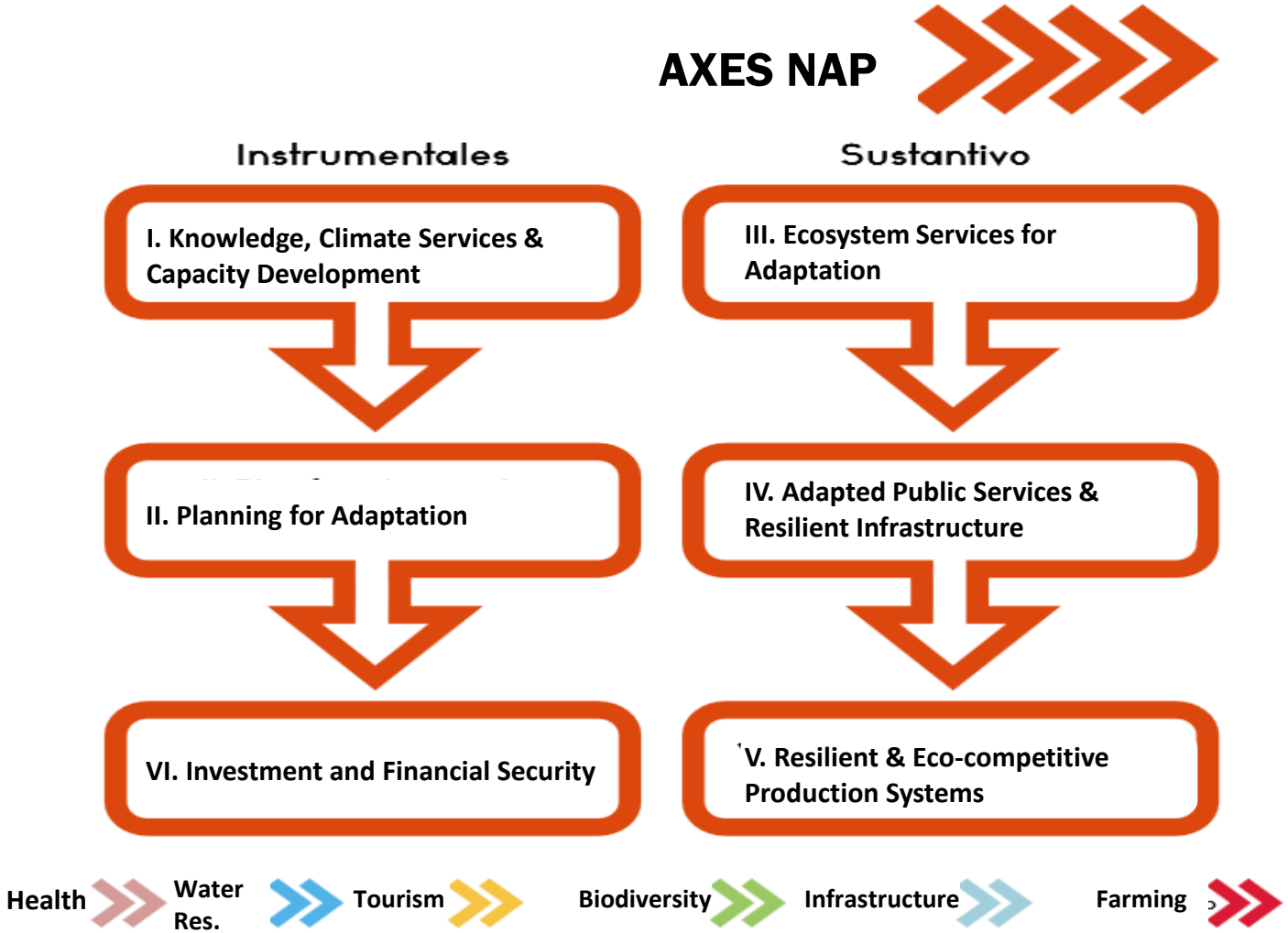
Co_2sta Rica

„It is urgent to advance in the recovery of the national infrastructure with criteria of climatic shielding…“

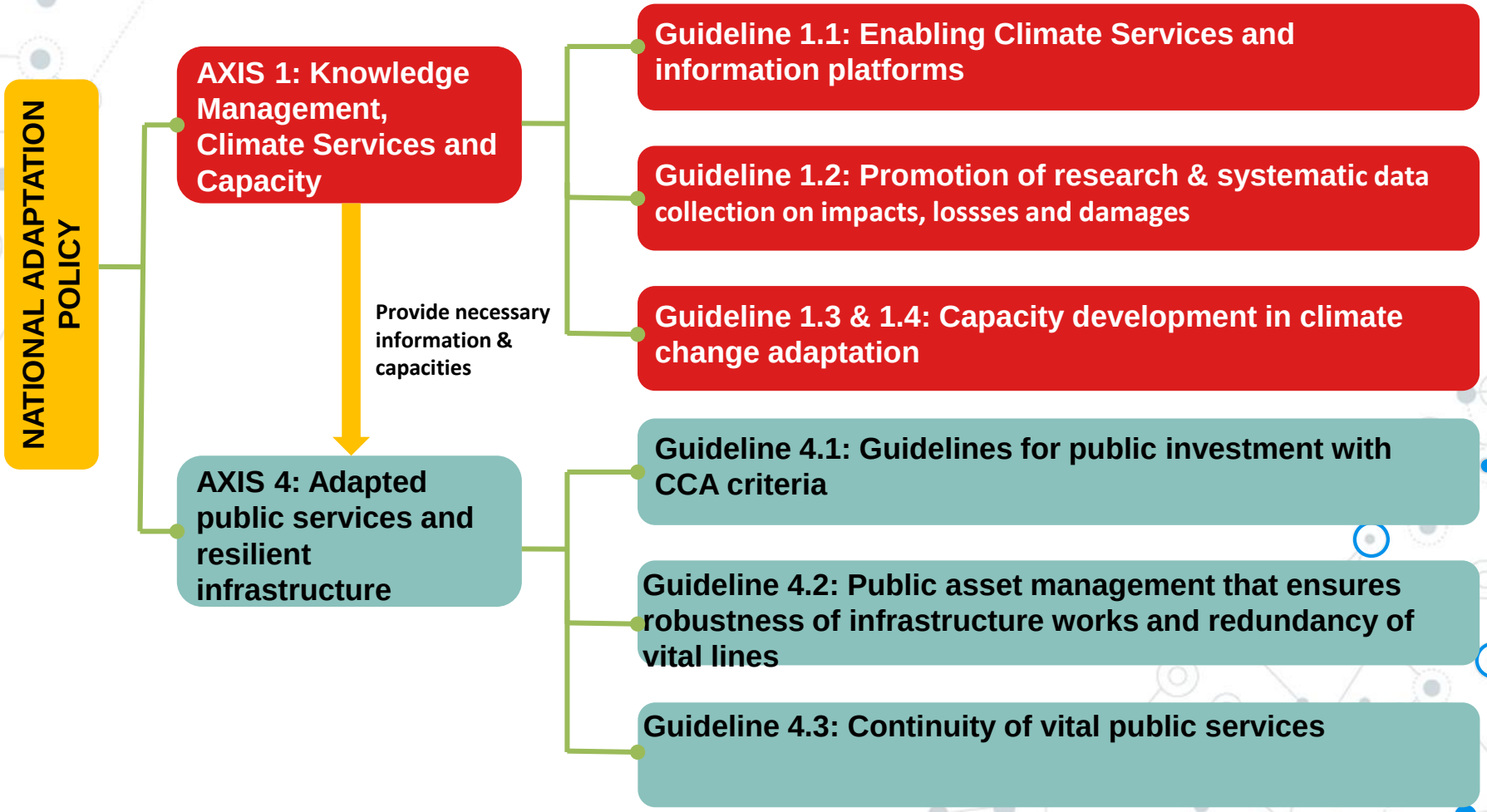
Contraloría General de la República, 2017

Climate Risk Assessment as Means of NAP implementation

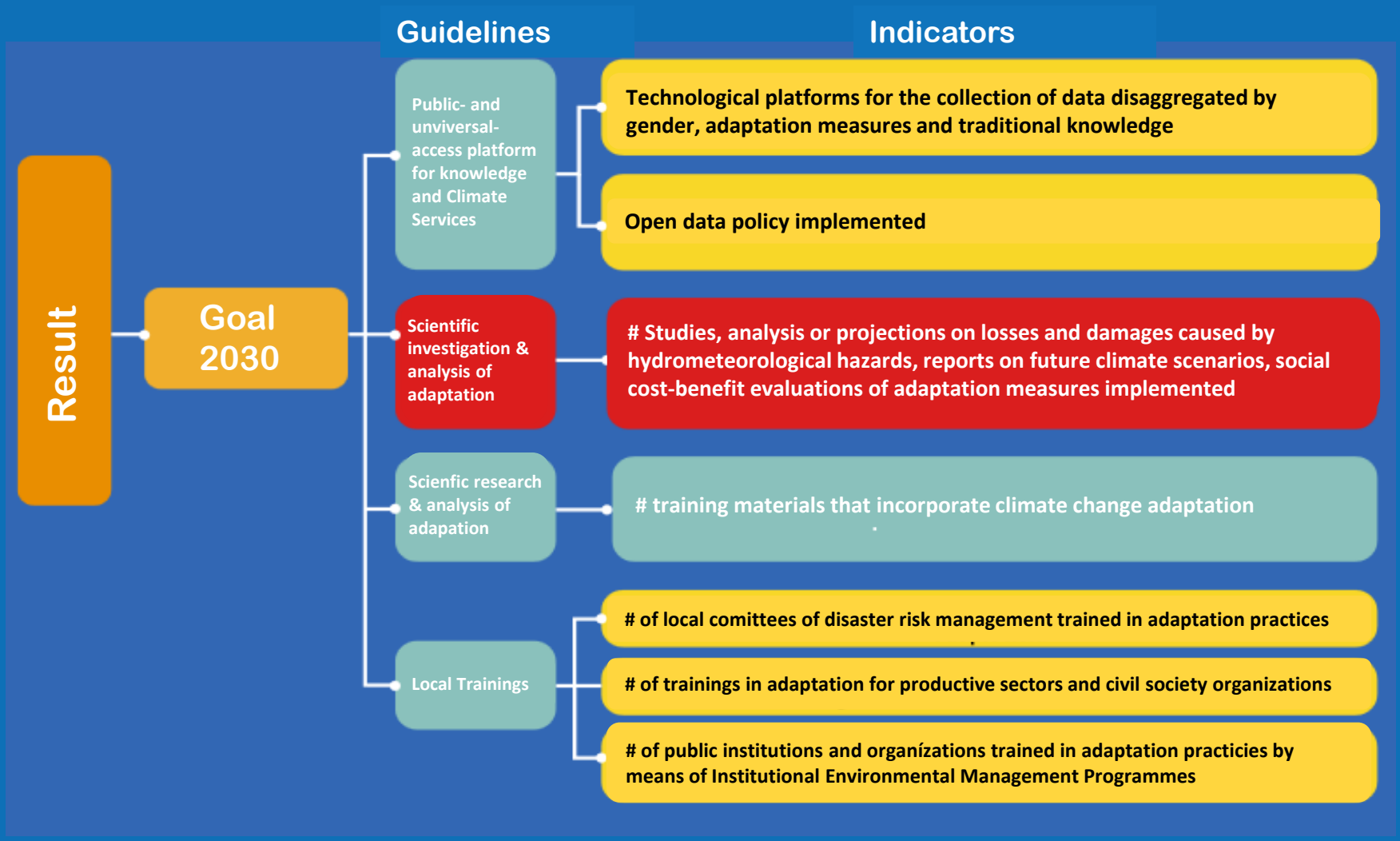
POLICY GUIDELINES & AXES



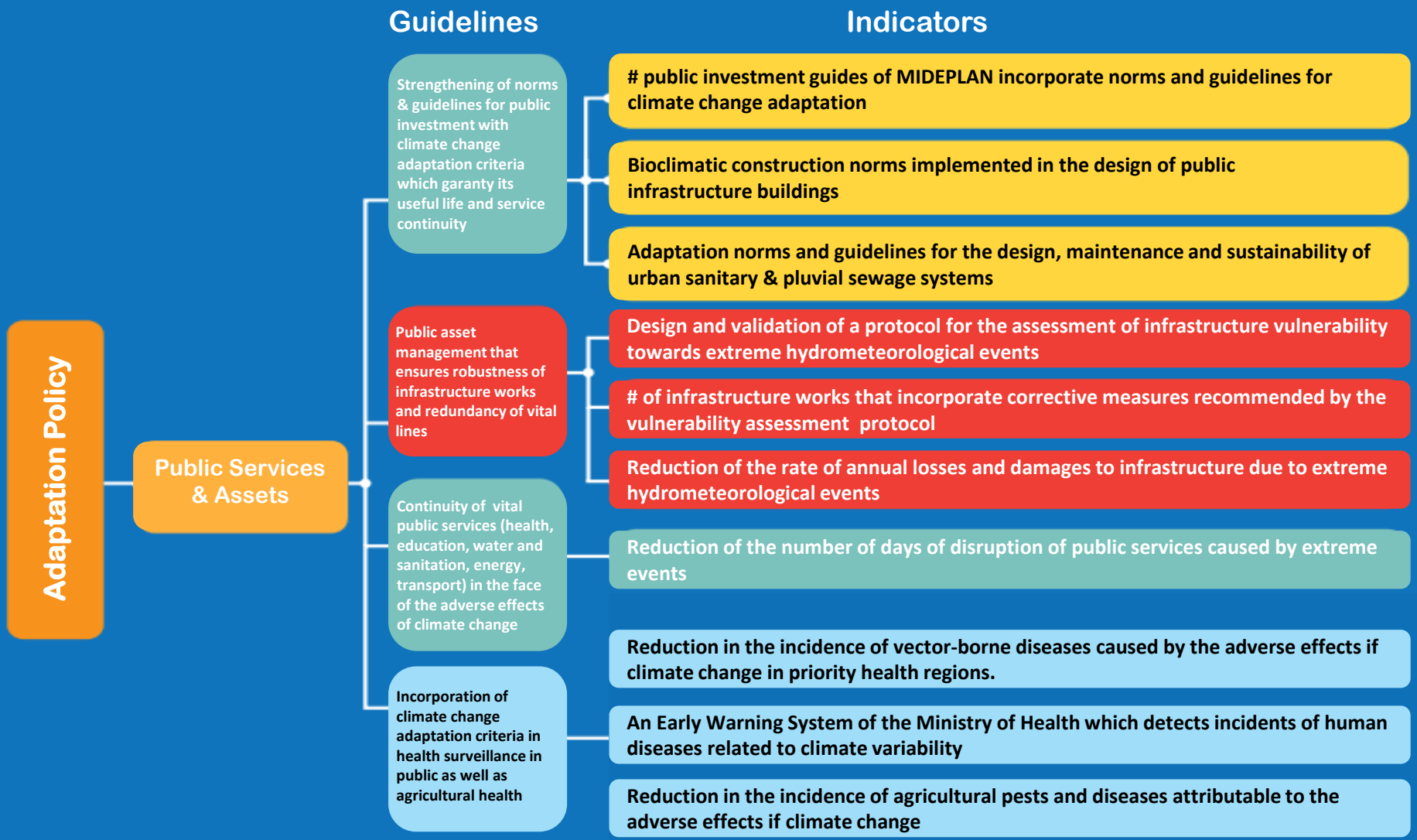
CLIMATE RISK MANAGEMENT FOR INFRASTRUCTURE AS PART OF THE NATIONAL ADAPTATION POLICY



AXIS 1: KNOWLEDGE MANAGEMENT FOR CLIMATE CHANGE IMPACTS, CLIMATE SERVICES & DEVELOPMENT OF LOCAL AND INSTITUTIONAL CAPACITY



AXIS 4: RESILIENT PUBLIC SERVICES AND INFRASTRUCTURE



CLIMATE RISK ASSESSMENT PILOT – GUARDIA BRIDGE

Infrastructure sector: Bridges

Map data © 2018 Google

Name: Puente de Guardia
River: Río Tempisque
Province/Location: Guanacaste, on Ruta 21 between Liberia & Filadelfia

Strategic value for the region

- 11,000 vehicles use the bridge every day, within 200 km the only possibility of crossing the river
- Important route for tourism to connect Liberia and the international airport Daniel Oduber with Guanacaste‘s pacific coast and the Nicoya Peninsula
- Transport route for local sugar factories which need to cross Tempisque that separates their harvest sites and production facilities

Past climatic events

Torrential rains regularly increase the water level of the Río Tempisque and lead to floods and inundations that damage the bridge structure

- An extreme flooding in October 2007 completely inundated the road surface of the bridge and made it impassable

ACTORS INVOLVED IN CLIMATE RISK ASSESSMENT PILOT – GUARDIA BRIDGE

Thank you!

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Ministry of Environment and Energy (MINAE)

DCC
DIRECCION DE CAMBIO CLIMATICO

COSTA RICA
GOBIERNO DE LA REPÚBLICA

minae
MINISTERIO DE AMBIENTE Y ENERGIA