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Global Forest
Observations Initiative

Plenary
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Strengthening M&E for adaptation in the agriculture sectors: Country experiences

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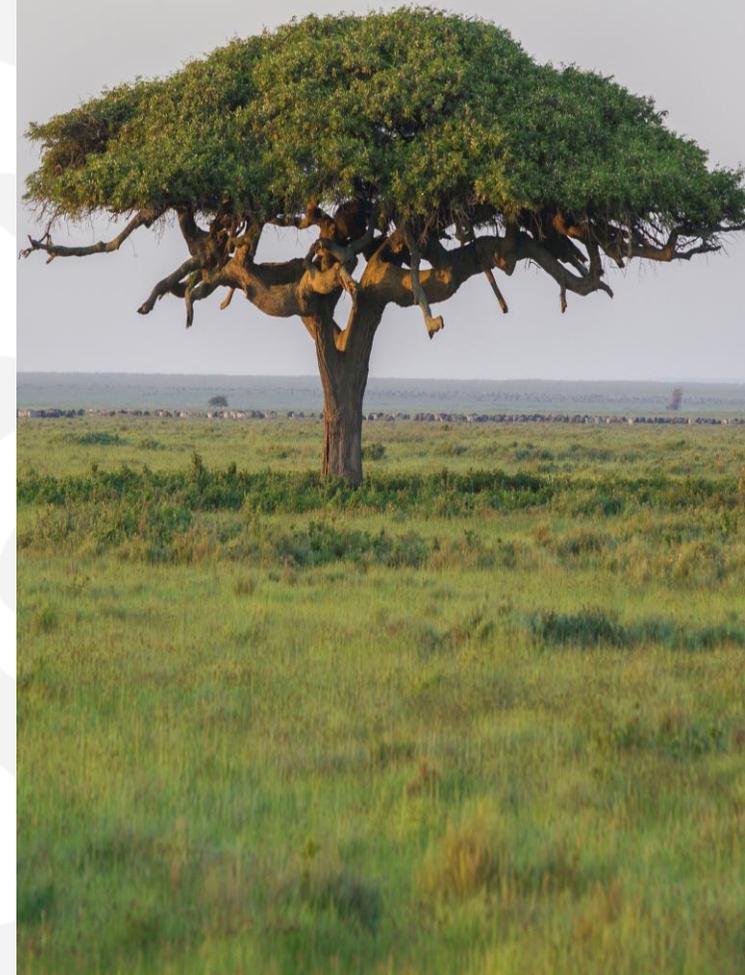
Scaling up Climate Ambition in Land-use and Agriculture through NDCs and
NAPs (SCALA) Program



FAO Technical Guidance Note: Strengthening M&E for adaptation planning in the agriculture sectors

Steps for developing an M&E system for adaptation in the agriculture sector

Step 1	Understanding the policy context
Step 2	Developing a shared adaptation goal and pathways for integrating adaptation in the agriculture sector
Step 3	Defining the purpose and focus of the M&E framework
Step 4	Developing an M&E Framework for adaptation in the agriculture sector
Step 5	Identifying indicators to track adaptation in the agriculture sector
Step 6	Identifying the sources and type of data and information required for each indicator
Step 7	Operationalising adaptation M&E for decision-making in the agriculture sector



GUATEMALA



Step 1: Understanding the policy context

Step 2: Developing a shared adaptation goal and pathways for integrating adaptation in the agriculture sector

FAO supported Guatemala in developing a System of Monitoring, Evaluation and Reporting (MER-agriculture)

- **Framework Law on Climate Change (2013)**
- **National Action Plan on Climate Change (PANCC, 2016)**
- **First NDC (2015)**
- **National Development Plan (Plan Nacional de Desarrollo K'atun, Nuestra Guatemala 2032)**
- **Strategic Plan for Climate Change of MAGA 2018-2027**

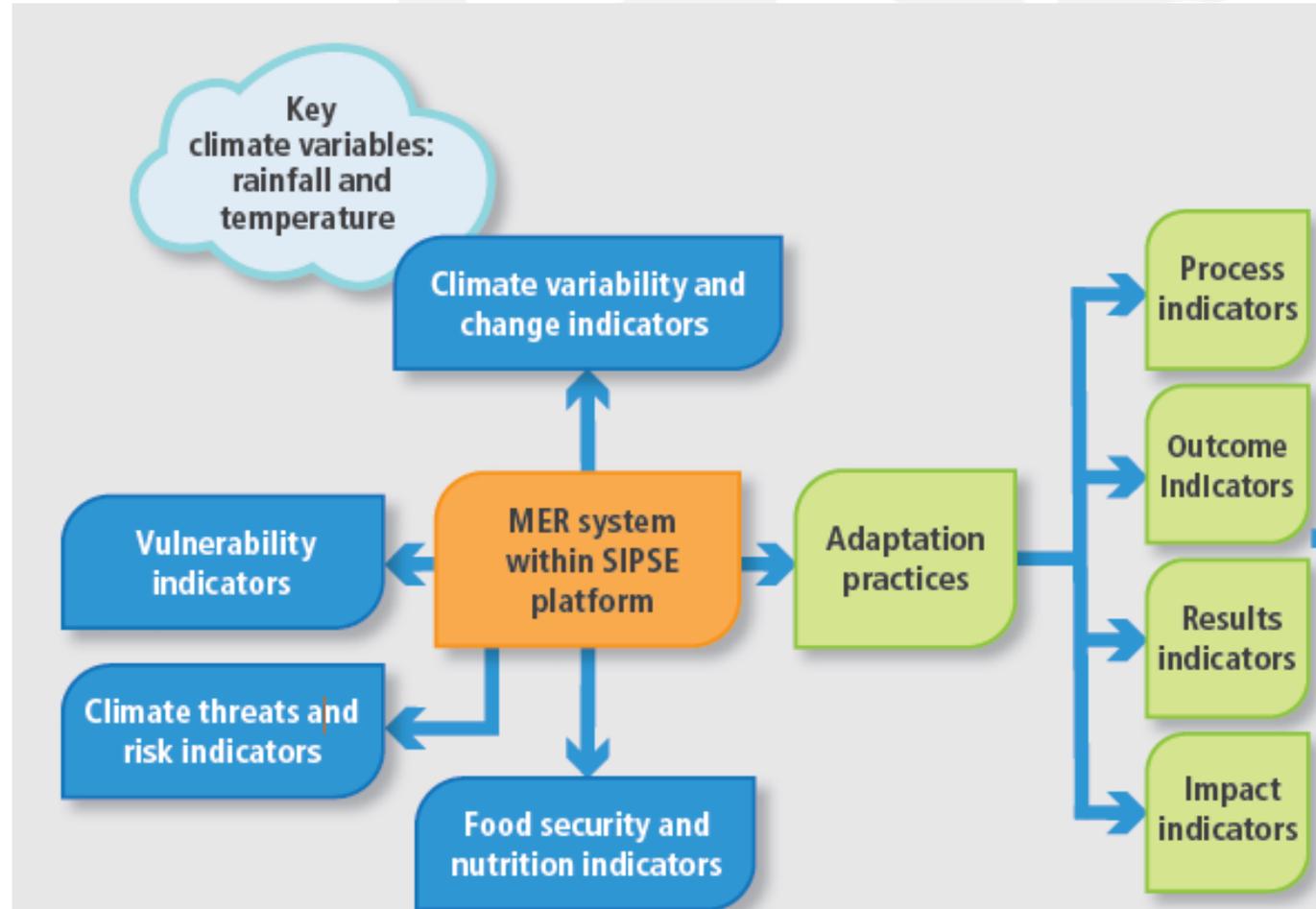


Step 3: Defining the purpose and focus of the M&E framework

Step 4: Developing an M&E framework for adaptation

MER-agriculture was designed on the basis of on extensive internal consultation.

Four key agriculture sub-sectors, a cross-cutting theme and five sub-systems



Step 5: Identifying indicators to track adaptation

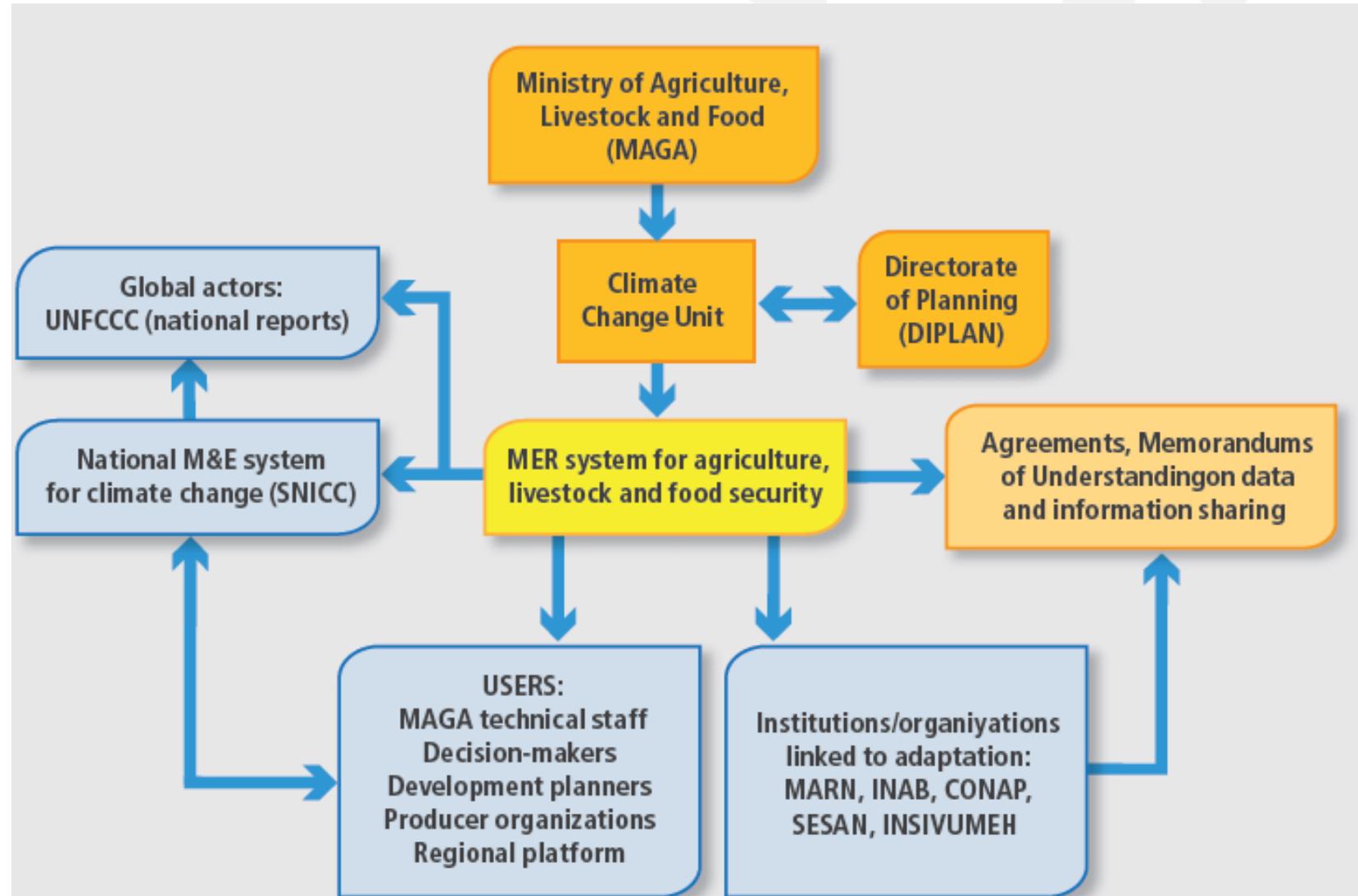
MER-agriculture defines indicators for measuring policy goals and actions taken by MAGA and MARN

Sub-system	Indicators (examples)	Baseline
Risks and threats	Deforestation rate	0.50%
	Protected Area coverage (ha)	38.31%
	Forest coverage in ha (by forest type – coniferous)	297,983
Vulnerability	Poverty rate	59.3%
	Rate of emigration	13.91%
	Portion of work force in agriculture	33.10%
Food Security	Production of rice (in millions of tonnes/yr)	33,732,31
	Food security in households	19.2%
	Access to clean water	60.20%
Adaptation practices	Nr of participants in institutional capacity building on climate change (in 2018)	15 women 104 men
	Nr of irrigation projects	10
	Support provided to soil conservation measures (ha)	No data
	Nr of households adopting sustainable agro/forestry practices	No data



Step 6: Identifying the sources and type of data & information

Step 7: Operationalise adaptation M&E for decision making



UGANDA



Checklist for key performance dimensions

NAPs for Agriculture M&E framework Components	Performance dimension
Component 1: Crop Production	Record of vulnerability and crop suitability assessments
Component 2: Livestock Development	Adaptive and productive livestock breeds
Component 3: Fisheries and Aquaculture	Resilient and sustainable fishing practices
Component 4: Climate Information, Early Warning and Disaster Preparedness Systems	Weather monitoring stations and Timely information dissemination on weather patterns
Component 5: Land Use Land Use change and Forestry (LULUCF)	Increase water use efficiency in agricultural production; afforestation and SLM practices
Component 6: Research for climate resilient agricultural development	Adoption of best practises and local technologies
Component 7: Knowledge Management and Partnerships for climate action	Evidence of coordination and efforts to seek, obtain and utilize CCA partnerships
Component 8: Gendered Approach to climate change adaptation	Extent to which gender issues have been incorporated in the approaches to adapt to climate change effects



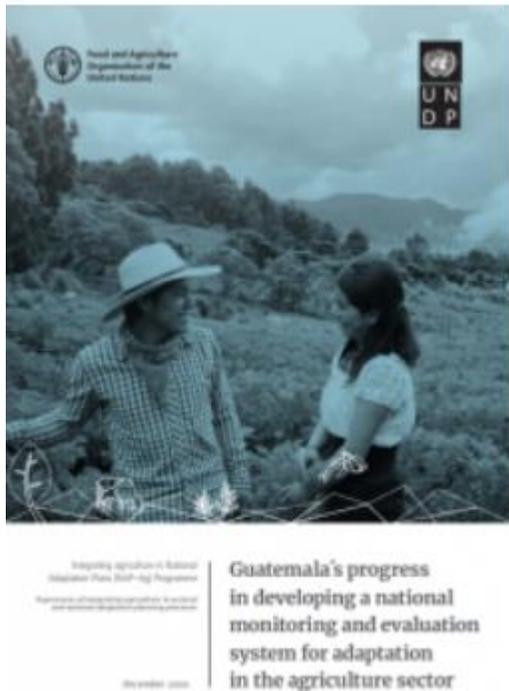
Uganda Performance M&E Framework for the agriculture sector NAP

Key steps and elements of success:

1. Designed on the basis of on extensive stakeholder consultation
2. Stocktaking of policies and programs to identify CCA objectives, targets and practices
3. Include indicators that can be measured with available data or data that can be produced with minimum effort
4. It is embedded in the existing Ministry of Agriculture, Animal Industry and Fisheries (MAAIF) M&E framework
5. It is conceived to enable reporting on adaptation at the national and international levels
6. Definition of guidelines for data collection, management to be developed for sectoral ministries and county governments

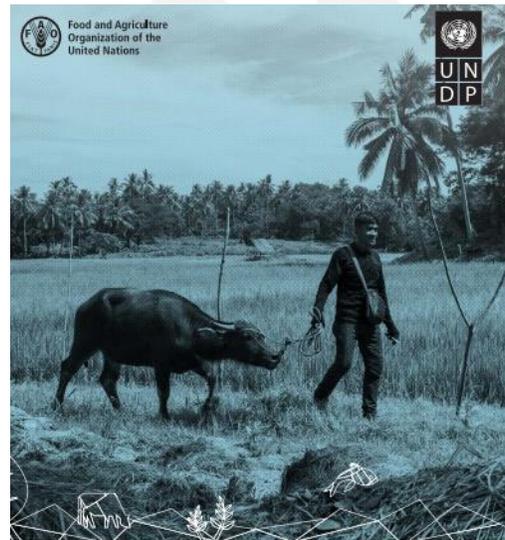


Guatemala´s progress in developing a national M&E system for adaptation in the agriculture sector

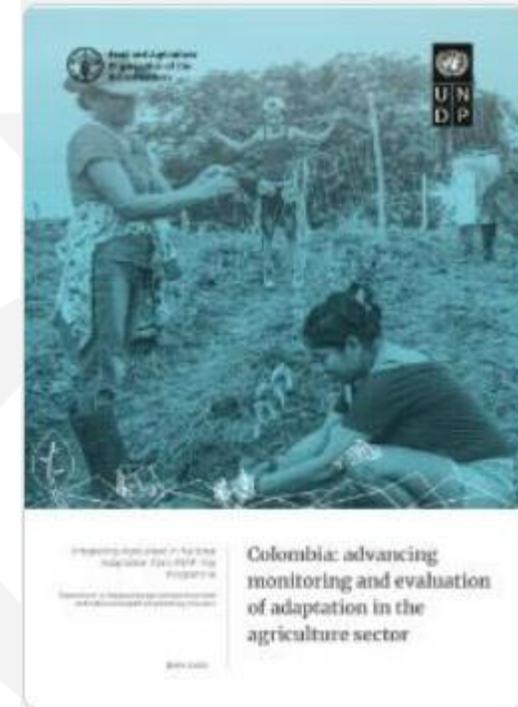


CASE STUDIES

Progress in developing a national M&E system for adaptation in the agriculture sector: a **multi-country case study**



Colombia´s progress in developing a national M&E system for adaptation in the agriculture sector



Thank you.

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Training Package

- **Target audience:** decision-makers working on adaptation, M&E staff from Ministry of Agriculture, Forestry, Fisheries and Ministry of Environment, and other relevant ministries, cross-sectoral CC coordination bodies
- **Proposed length:** All modules could be run over a course of a workshop of 4 days
- **Proposed output:** draft adaptation M&E system and work plan for the agriculture sector
- **Proposed inputs:** policy review; existing sectoral, national and subnational information and M&E systems; institutional capacity for M&E



Thematic modules

1. Global policy context for adaptation
2. CC adaptation and agriculture
3. Introduction to M&E of adaptation
4. CC and national policy context
5. Adaptation information under the Enhanced Transparency Framework, MPG
6. Theory of Change for adaptation in the agriculture sector
7. Design the M&E framework
8. Indicators for adaptation and agriculture
9. Operationalising the adaptation M&E Framework



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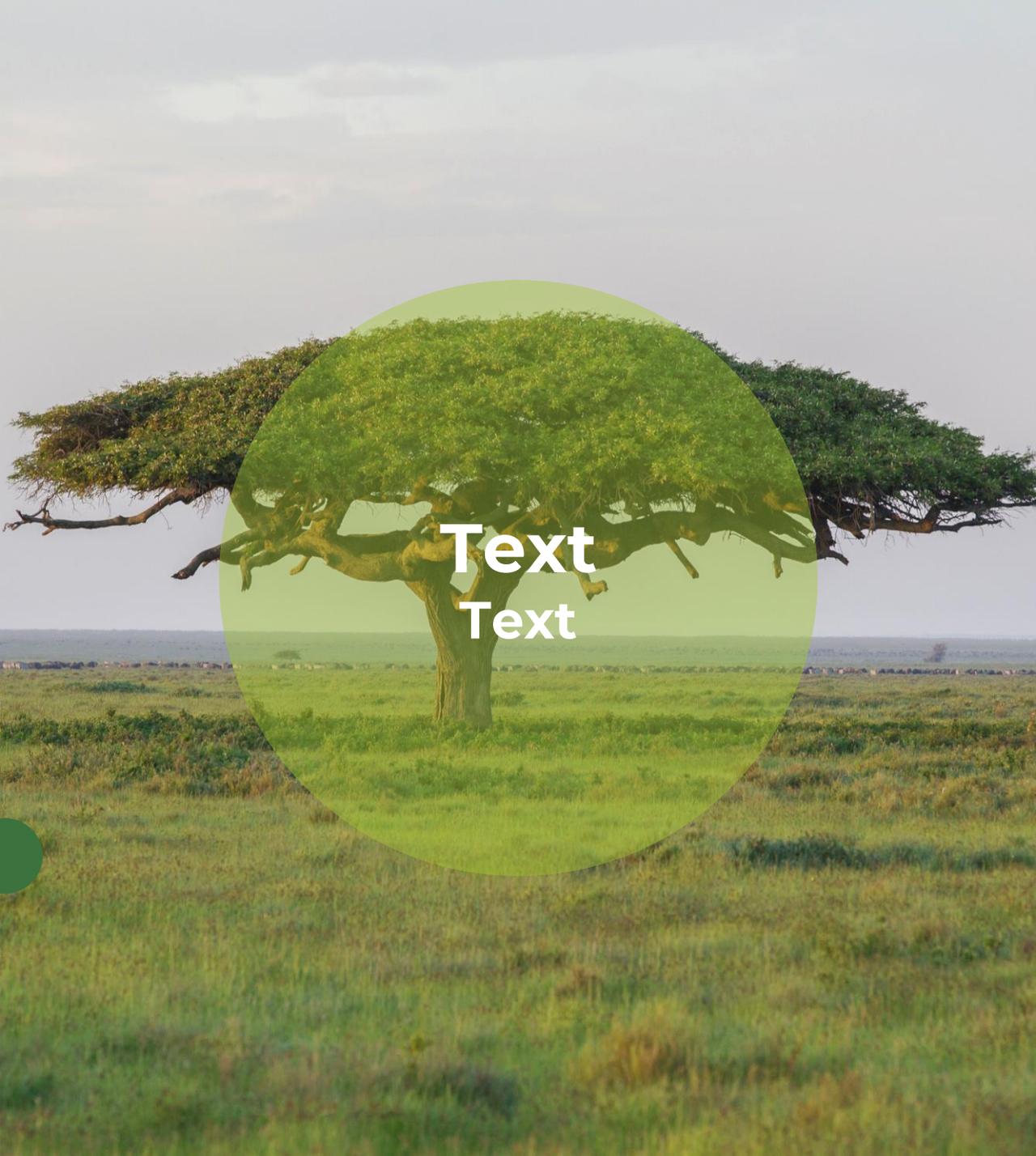
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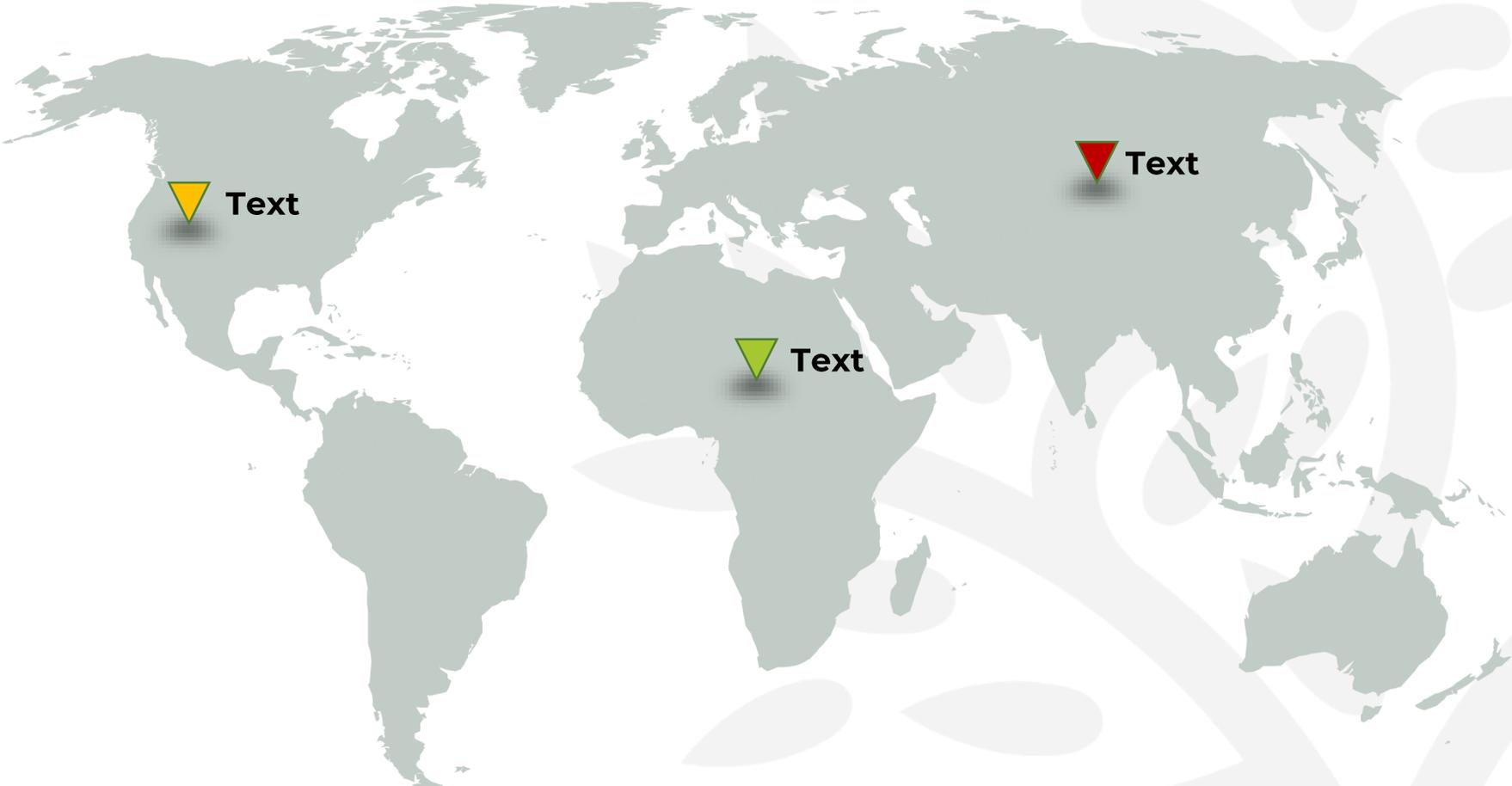


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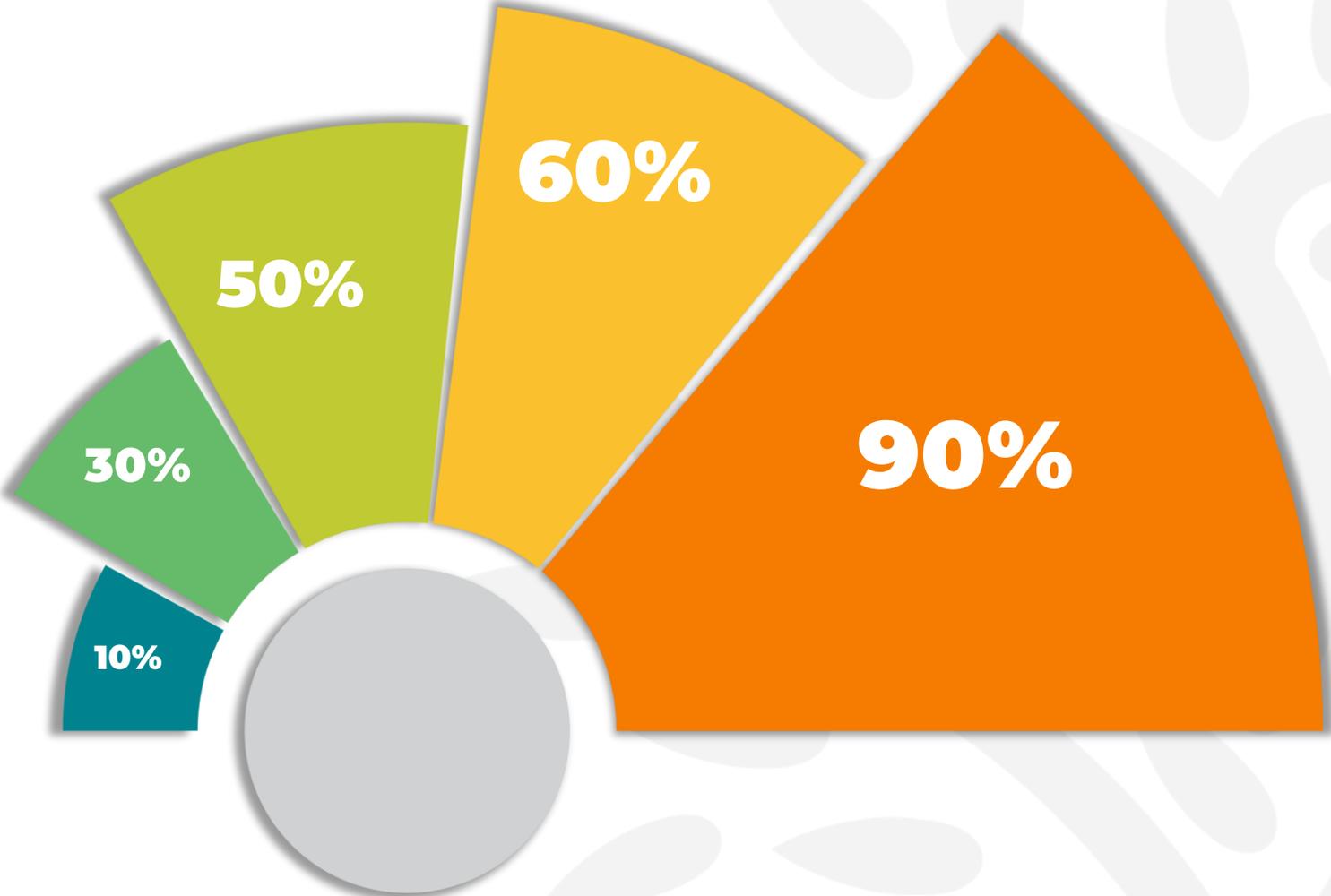
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