



Food and Agriculture Organization  
of the United Nations

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# ***NDC Regional Analysis: Gaps and Opportunities in the Agriculture Sectors*** **Results from Eastern Africa**

National Climate Change Action Team,  
Climate and Environment Division (FAO)

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100%

**Adaptation**  
Agriculture and/or LULUCF sector included in adaptation component

89%

**Mitigation**  
Agriculture and/or LULUCF sector included in mitigation contribution

83%

**Bioenergy**  
Bioenergy included as a mitigation option

**MITIGATION AND ADAPTATION**

56%

**Explicit reference**  
Explicit reference to mitigation and adaptation synergies in the agriculture sectors

56%

**REDD+**  
REDD+ included as a mitigation and/or adaptation strategy

39%

**Climate-Smart Agriculture**  
CSA included as mitigation and/or adaptation strategy

**SYNERGIES**

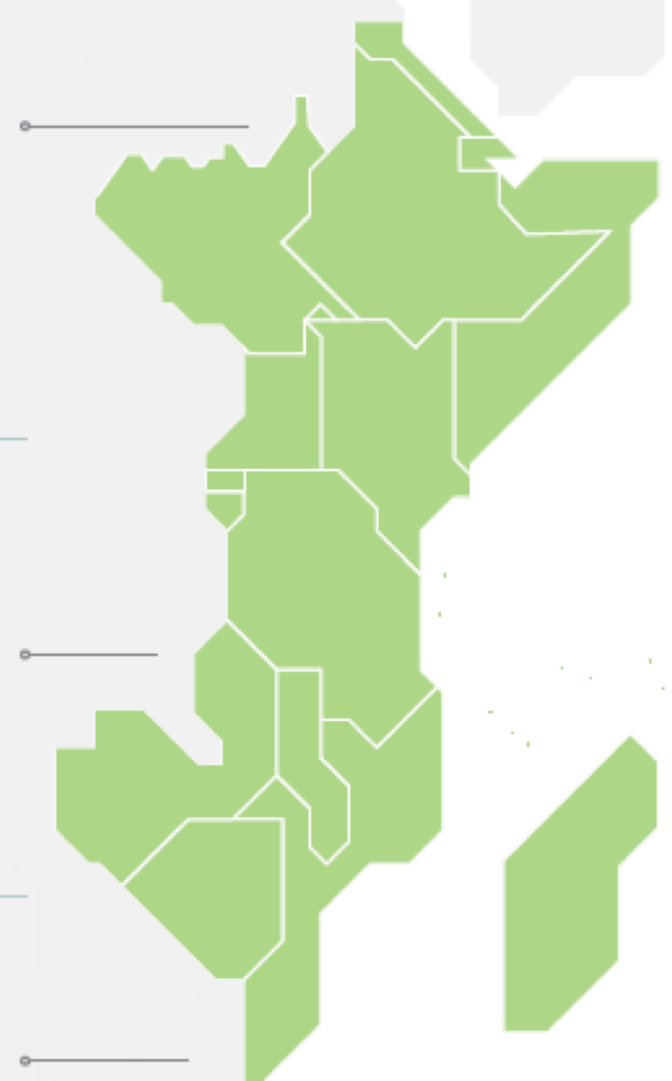
50%

**Food Security and Nutrition**  
Food security and nutrition considered vulnerable to climate change impacts

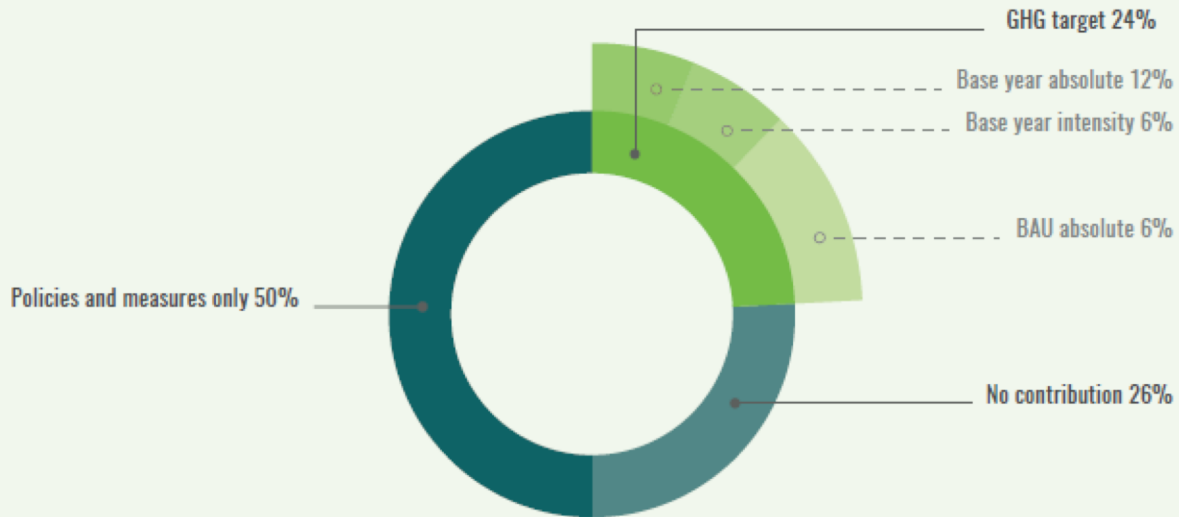
44%

**Gender**  
Gender-related concerns included in NDC

**CROSS-CUTTING AREAS**

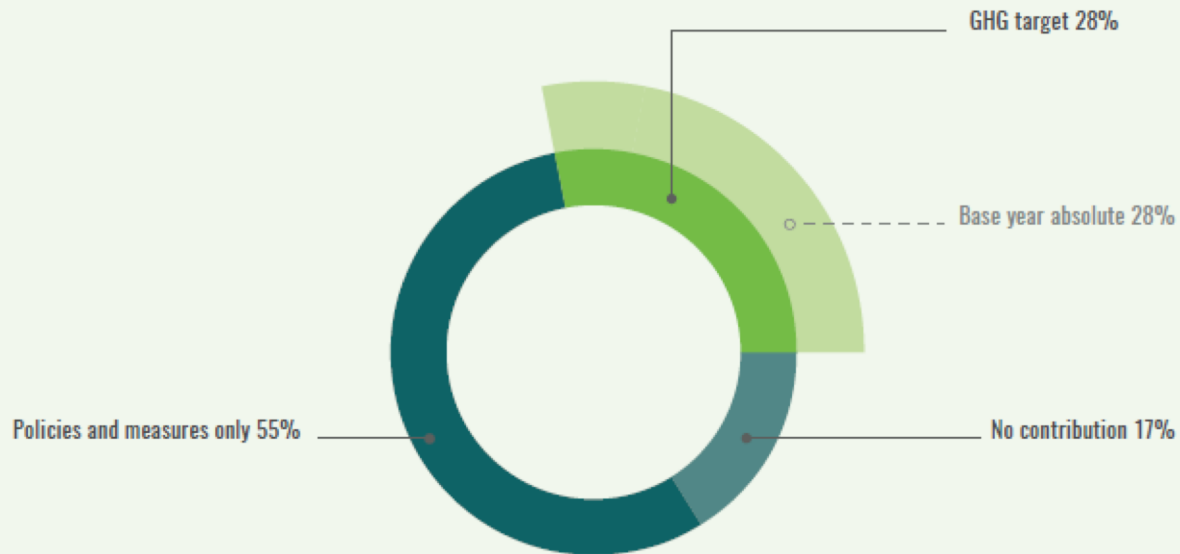


## COVERAGE OF MITIGATION CONTRIBUTION IN THE AGRICULTURE SECTOR



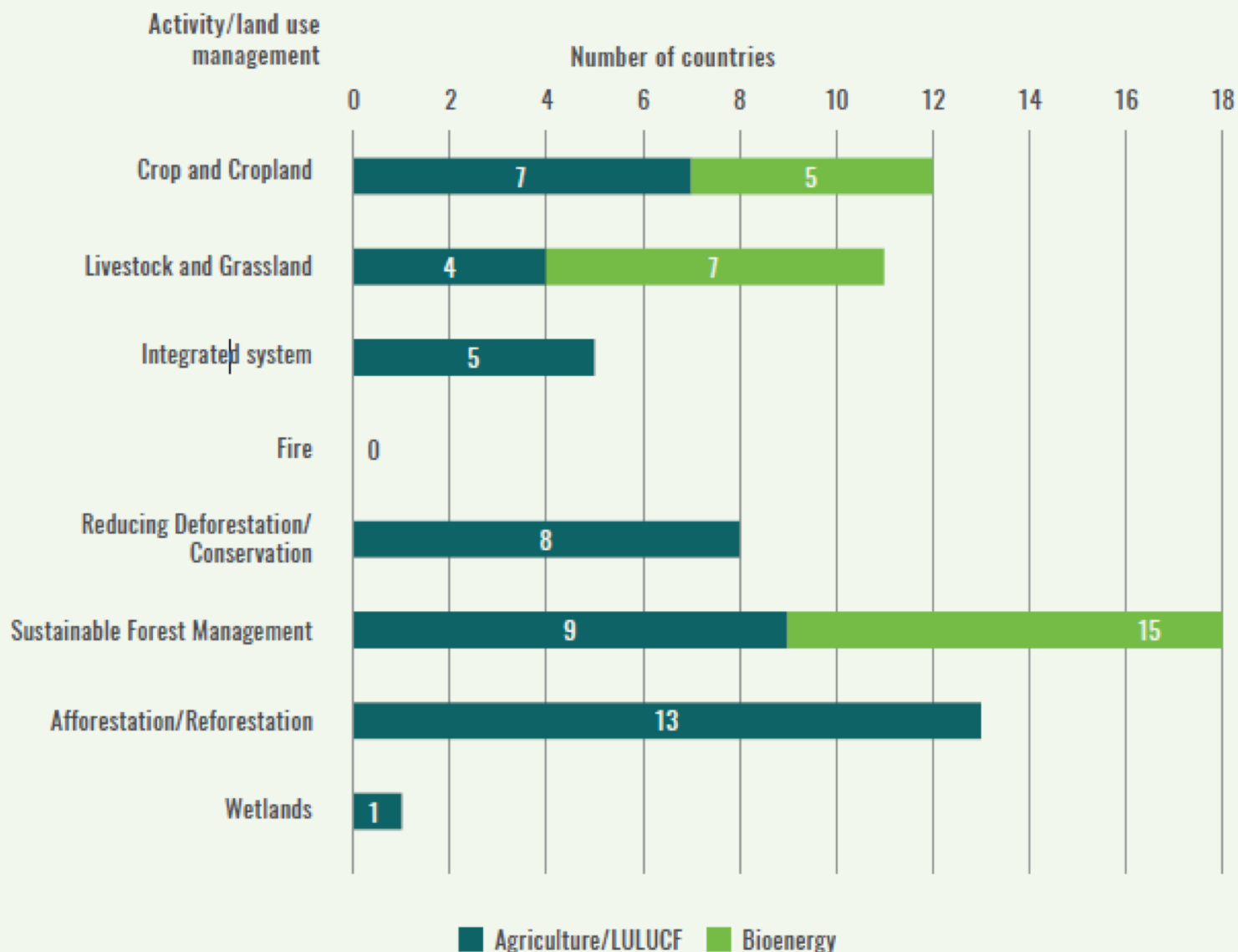
Source: NDC

## COVERAGE OF MITIGATION CONTRIBUTION IN THE LULUCF SECTOR

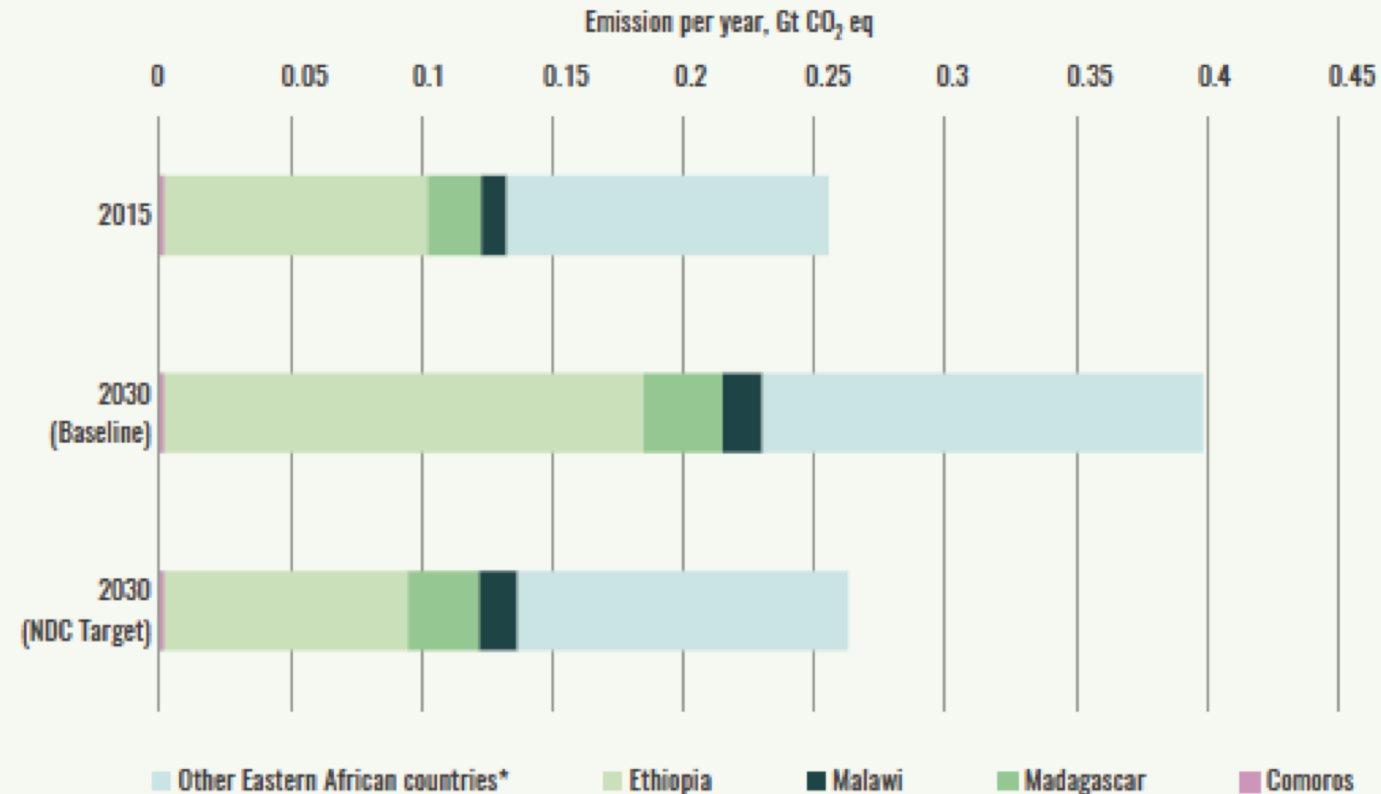


Source: NDC

**COUNTRIES WITH POLICIES AND MEASURES IN THE AFOLU SECTOR, PER ACTIVITY/LAND USE MANAGEMENT**



**BASELINE VALUE (2030) AND NDC MITIGATION TARGET (2030), COMPARED WITH HISTORICAL EMISSIONS (2015), IN THE AGRICULTURE SECTOR FOR EASTERN AFRICA**



Source: NDC, NC and author's calculation<sup>21</sup>

<sup>21</sup>see Footnote 24 for list of countries

# Identifying gaps and opportunities to enhance mitigation ambitions

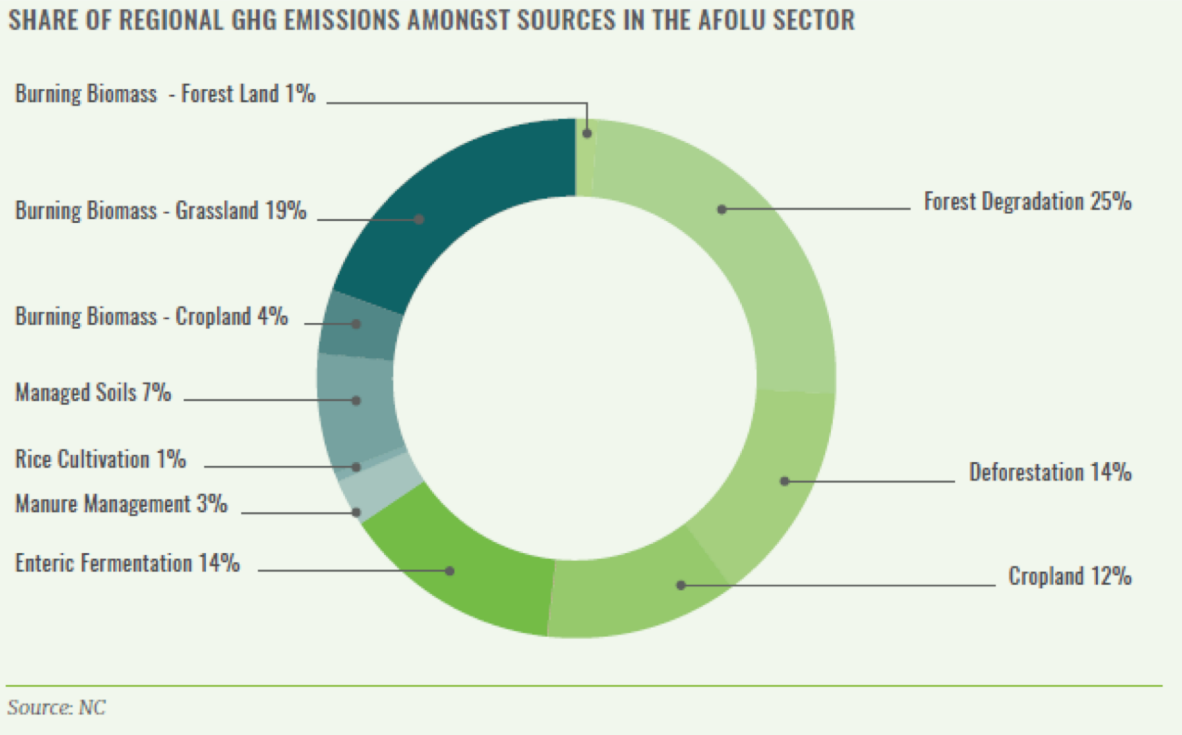
Improved livestock feeding and breeding practices

Cropland management

Afforestation/ Reforestation

Sustainable forest management

Soil management



Fire management on Grassland

Reduced deforestation

## Climate-related hazards and impacts



Changes  
in T  
78%

Changes in  
precipitation  
intensity and  
pattern  
83%

Floods  
94%

Droughts  
94%

Sea level  
rise  
39%

## Observed and projected vulnerabilities and impacts in the agriculture sectors



Human  
health & life  
incidence  
83%

Crop and  
livestock  
productive assets  
and livelihoods  
83%

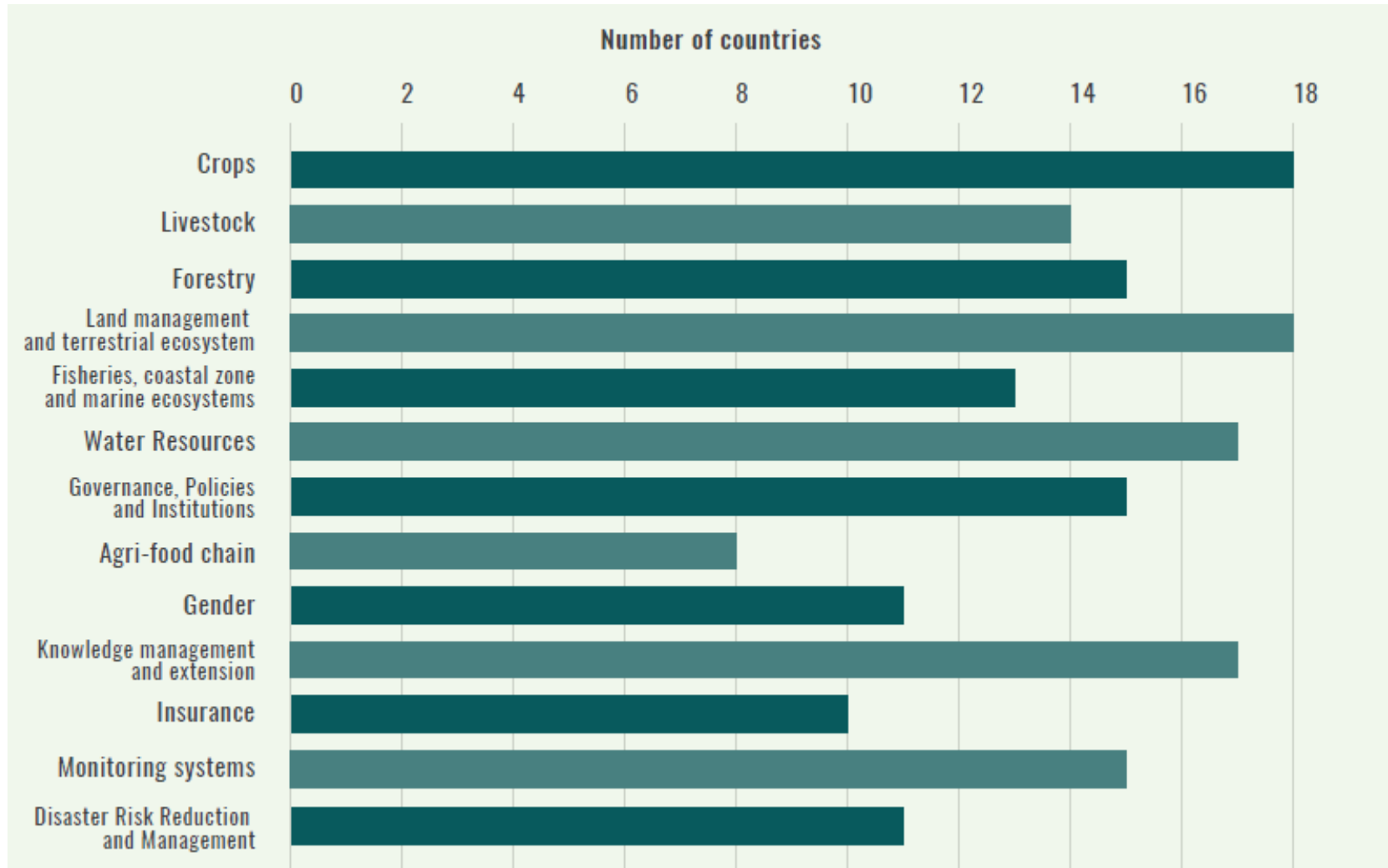
Human  
settlement  
and  
infrastructure  
72%

Biodiversity,  
marine/  
terrestrial  
ecosystems and  
their services  
56%

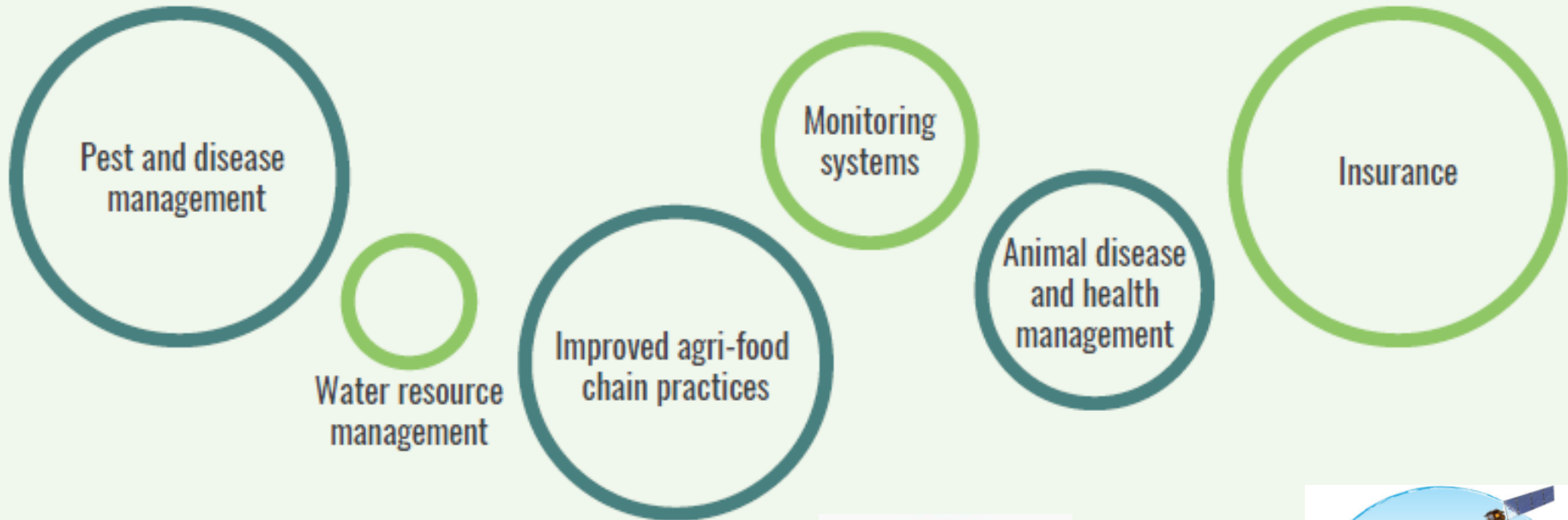
Water  
resources  
72%

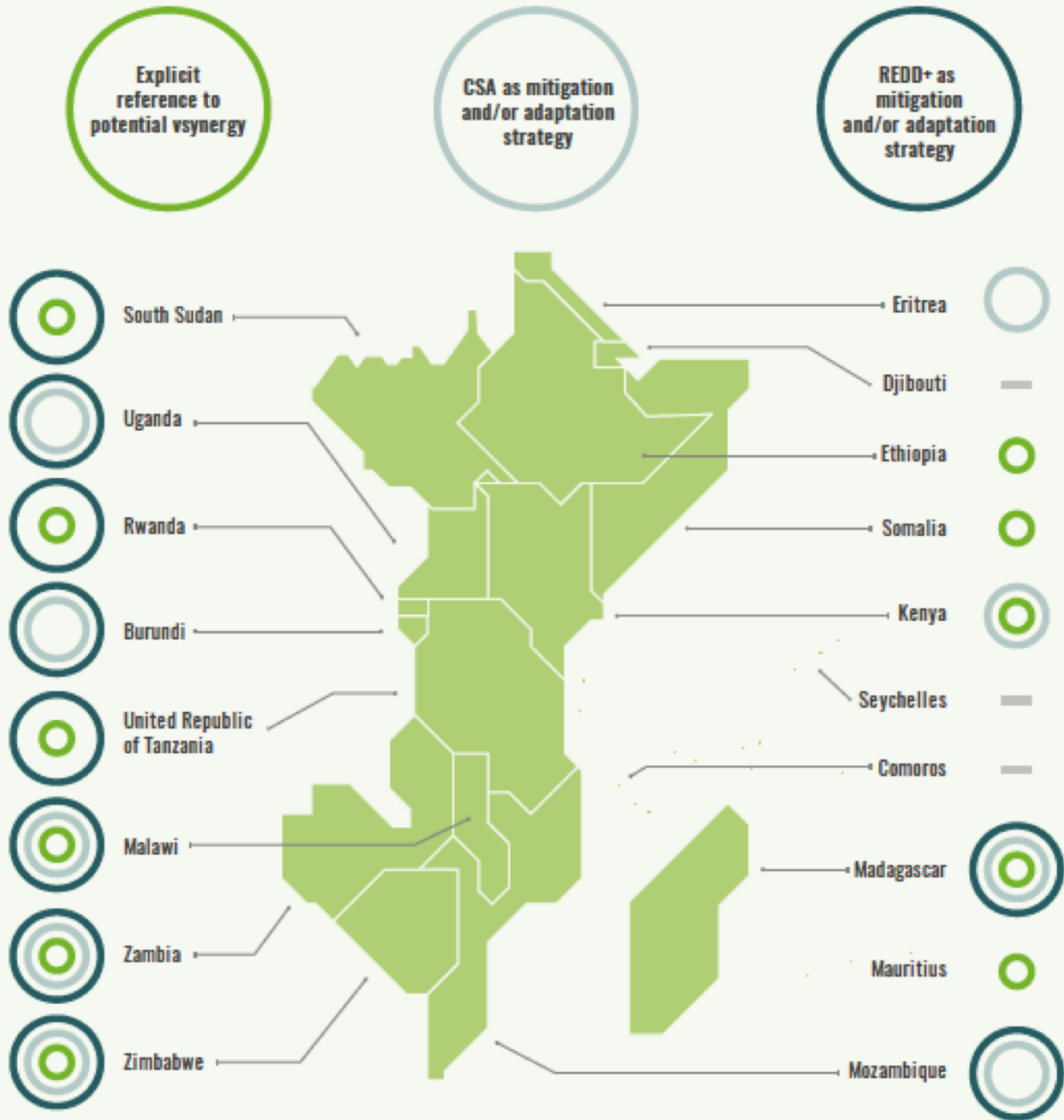


# Priority adaptation actions in the agriculture sectors

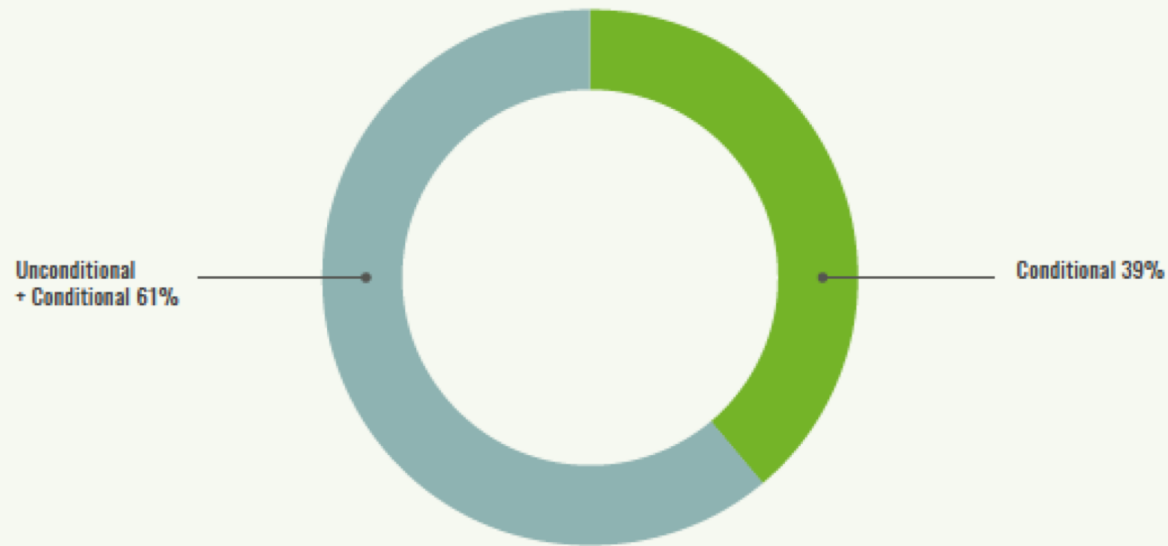


# Gaps and opportunities to enhance adaptation ambitions



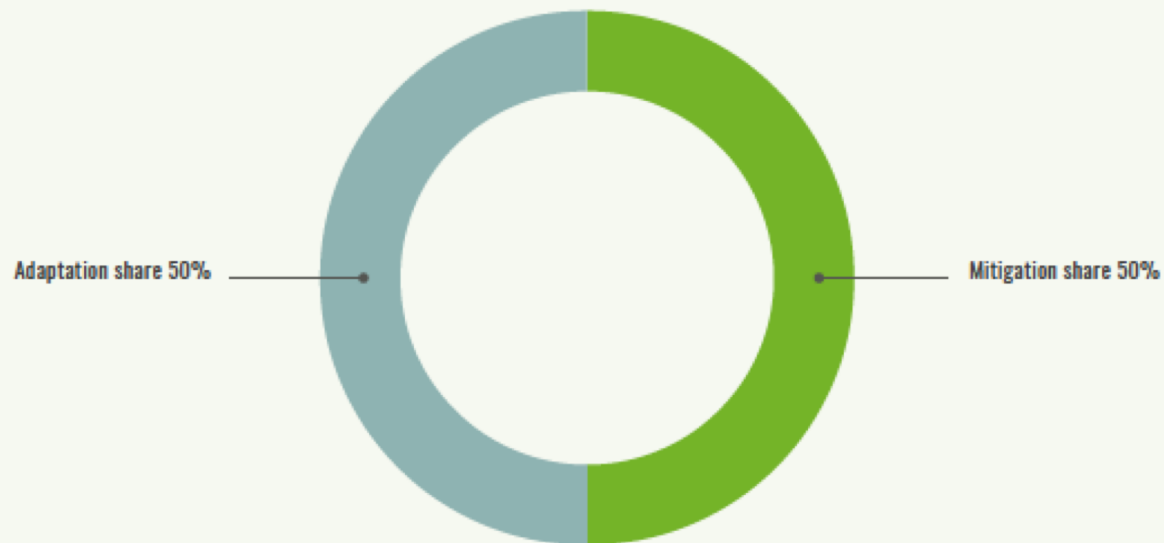


### FINANCIAL CONDITION OF NDC IMPLEMENTATION, PERCENT SHARE OF COUNTRIES



Source: NDC

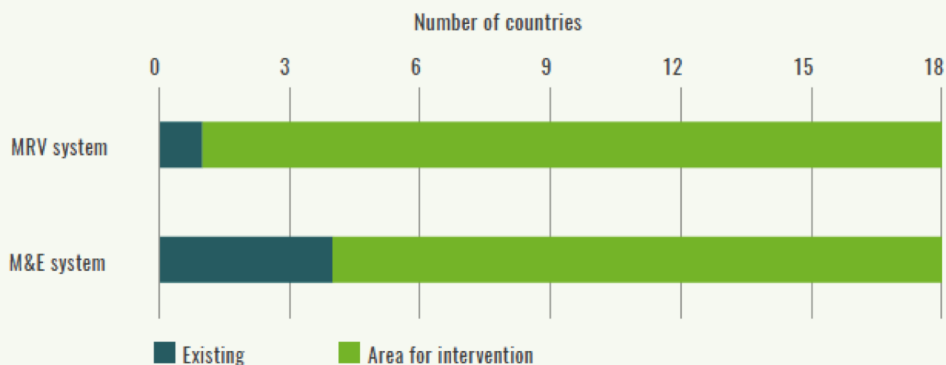
### SHARE OF TOTAL FINANCE NEEDS FOR NDC IMPLEMENTATION



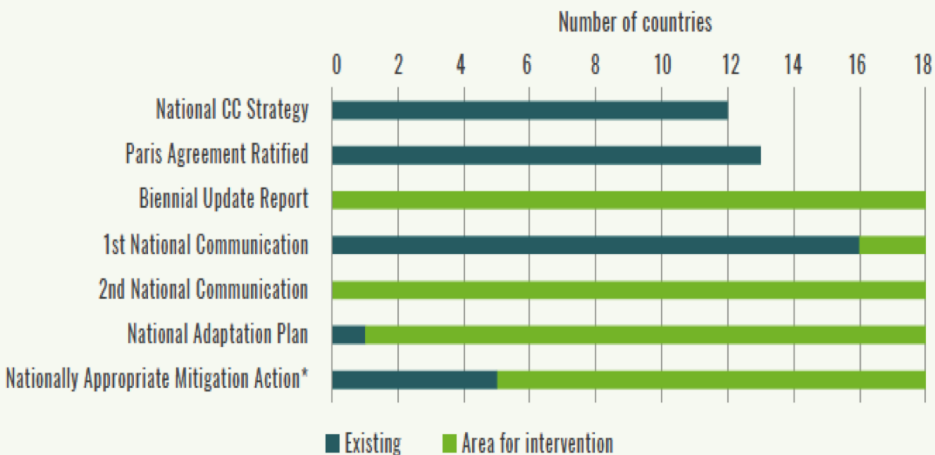
Source: NDC

# Priority areas for scaling up international support

MITIGATION AND ADAPTATION REPORTING SYSTEMS IN PLACE\*



NATIONAL PLANNING FOR NDC IMPLEMENTATION



1. *Reporting mitigation and adaptation progress under the Enhanced Transparency Framework*
2. *Building capacity for action in the agriculture sectors*
3. *Planning for NDC implementation*
4. *Improving the knowledge base for action in the agriculture sectors*
5. *Leveraging climate finance for NDC implementation*



# Thanks for coming!

*Presenters:*

*Mirella Salvatore (MICCA Programme)*

*Krystal Crumpler (MICCA Programme)*

*Elisa DiStefano (NAP-Ag Programme)*

*Executive Summary: <http://www.fao.org/3/a-i8079e.pdf>*

*Full Report: <http://www.fao.org/climate-change/resources/publications/en/>*

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