



**ICPAC**

# **ANALYSIS OF SECTORAL IMPLICATIONS, IMPACTS AND ADVISORIES /RESPONSE STRATEGIES FOR JUNE TO SEPTEMBER 2021 SEASON**

## **WATER AND ENERGY SECTOR**

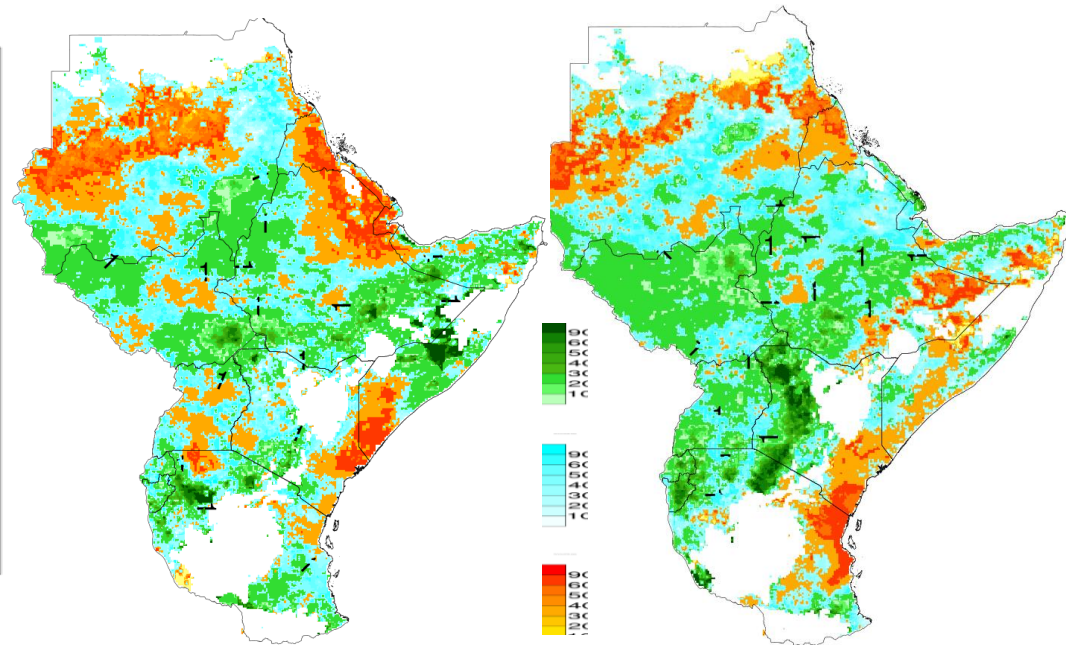
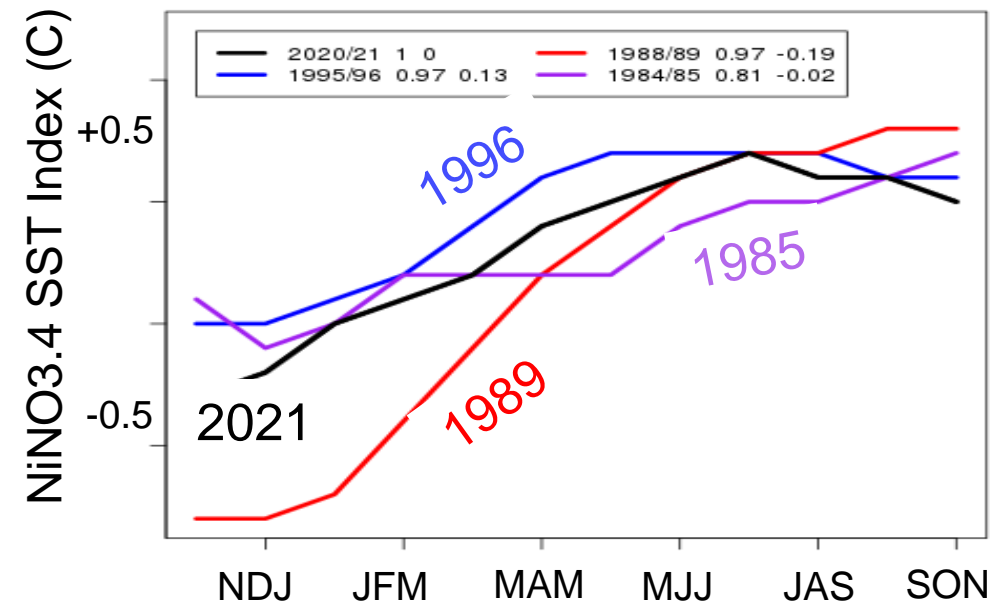
# SST-BASED ANALOGUE YEARS FOR JJAS 2021

Both observed and predicted SST anomalies over the central Pacific Ocean were used to select the best analogue years

## Analogue Years

1989

1996

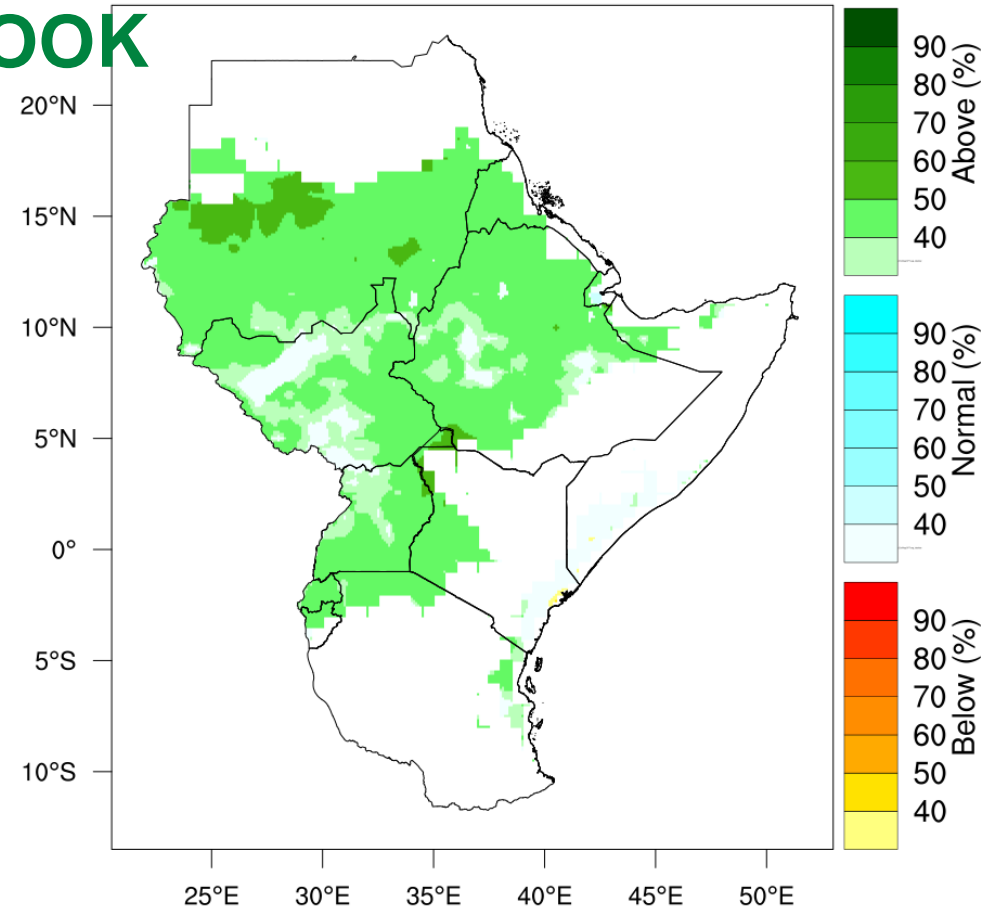


IGAD CLIMATE PREDICTION AND  
APPLICATIONS CENTRE

Wednesday, May 26, 2021

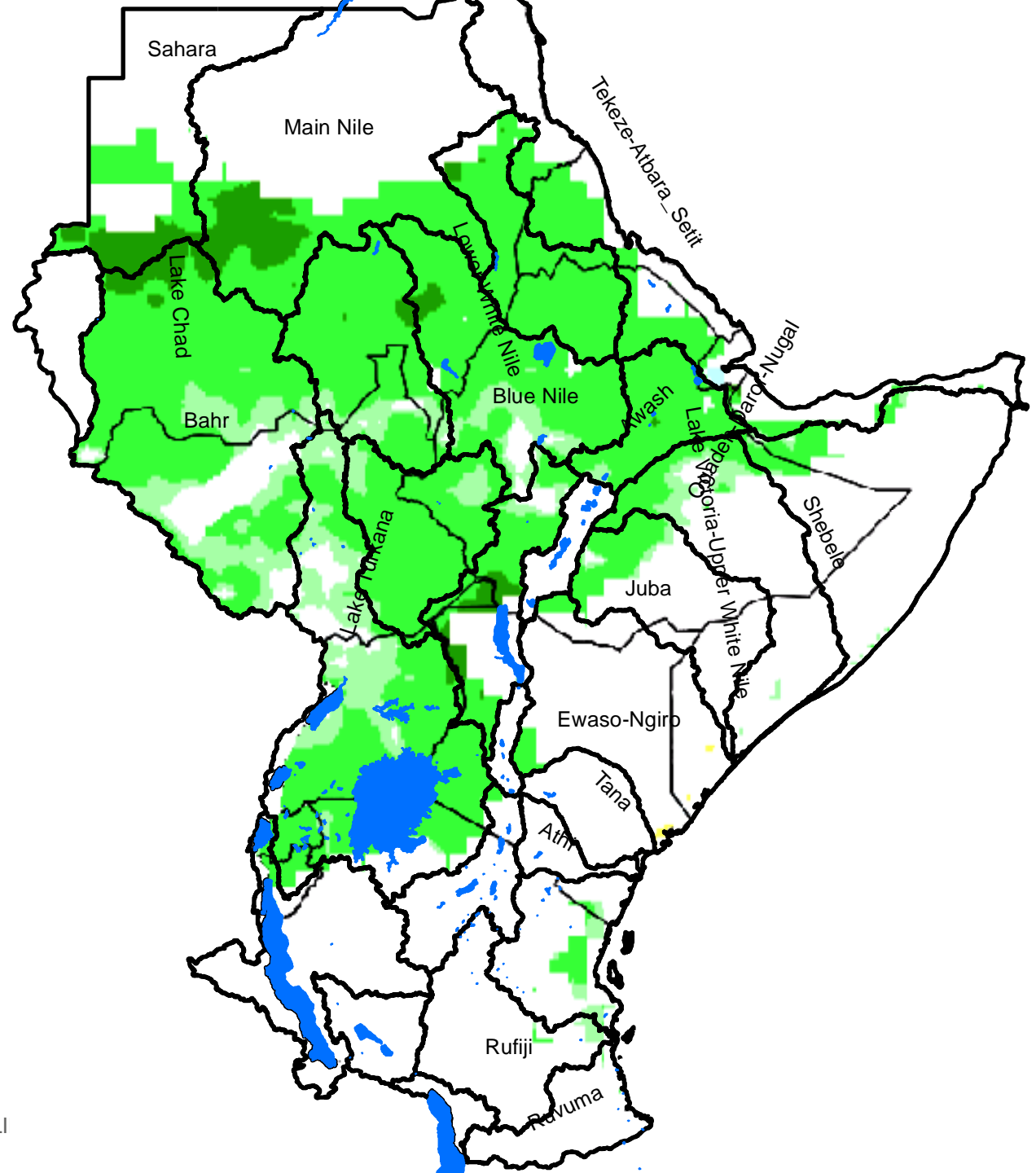
# OBJECTIVE JUNE-SEPTEMBER (JJAS) 2021 RAINFALL OUTLOOK

- Most parts of northern GHA are predicted to have wetter than average rainfall season
- Very high probabilities for wetter than average rainfall are indicated over northwestern Sudan
- Average rainfall conditions are indicated for coastal areas
- Probabilities for wetter than average rainfall are moderate to low for western Ethiopia and South Sudan



IGAD CLIMATE PREDICTION AND  
APPLICATIONS CENTRE

# OBJECTIVE JUNE- SEPTEMBER (JJAS) 2021 RAINFALL OUTLOOK WITH (SUB) BASINS



# JJAS IMPACT ANALYSIS: BURUNDI

## (Lake Tanganyika, Lake Victoria, sub basins)

Water Uses/Demand <b>Municipal</b> <b>Irrigation</b> <b>Hydropower</b>  Water sources Infrastructure <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: DJIBOUTI

## (North Eastern sub basin)

<b>Water Uses/Demand</b> <b>Municipal</b> <b>Pastoral</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation
<b>Water sources</b> <b>Infrastructure</b> <b>Water Pans</b>	

# JJAS IMPACT ANALYSIS: ETHIOPIA

(Awash, Blue Nile, Tekeze Atbara, Baro Akobo, Dawa-Genale, Wabi Shabele, Omo, Hawasa sub basins)

<b>Water Uses/Demand</b> <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b> <b>Hydropower</b>  <b>Water sources</b> <b>Infrastructure</b> <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: KENYA

(Baringo-Nakuru-Naivasha, LV, Tana, Ewaso Ngiro, Athi, Lake Turkana sub basins)

<b>Water Uses/Demand</b> <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b> <b>Hydropower</b>  <b>Water sources</b> <b>Infrastructure</b> <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation



# JJAS IMPACT ANALYSIS: RWANDA

## (Lake Tanganyika, Lake Victoria, sub basins)

<p>Water Uses/Demand <b>Municipal</b> <b>Irrigation</b> <b>Hydropower</b></p> <p>Water sources Infrastructure <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b></p>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: SOMALIA

## (Juba, Shebele, Daror-Nuugaal-Ogaden)

<p>Water Uses/Demand <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b></p> <p>Water sources Infrastructure <b>Rivers</b> <b>Water Pans</b></p>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: SOUTH SUDAN

(White Nile, Baro-Akobo-Sobat)

<b>Water Uses/Demand</b> <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b> <b>Navigation</b>  <b>Water sources</b> <b>Infrastructure</b> <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: SUDAN

(White Nile, Blue Nile, Tekeze-Atbara-Setit, Main Nile, sub basins)

<b>Water Uses/Demand</b> <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b> <b>Hydropower</b>  <b>Water sources</b> <b>Infrastructure</b> <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: TANZANIA

(Pangani, Wami, Ruvu, Rufiji, Ruvuma, Lake Rukwa, Lake Tanganyika, Lake Malawi sub basins)

<b>Water Uses/Demand</b> <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b> <b>Hydropower</b>  <b>Water sources</b> <b>Infrastructure</b> <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b>	+ve Impacts
	-ve Impacts
	Response/Mitigation

# JJAS IMPACT ANALYSIS: UGANDA

## (Lake Victoria, Lake Kyoga, Lake Albert sub basins)

<p>Water Uses/Demand <b>Municipal</b> <b>Pastoral</b> <b>Irrigation</b> <b>Hydropower</b></p> <p>Water sources Infrastructure <b>Rivers</b> <b>Water Pans</b> <b>Lakes</b> <b>Reservoirs</b></p>	+ve Impacts
	-ve Impacts
	Response/Mitigation



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## **WATER AND ENERGY SECTOR**

# EXPECTED POSITIVE SECTORAL IMPACTS FOR JJAS 2021



# EXPECTED NEGATIVE SECTORAL IMPACTS FOR JJAS 2021

# KEY RESPONSE MEASURES / ADVISORIES



**THANK YOU!**

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**#GHACOF58**

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