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PILOT SUB-SEASONAL CLIMATE INFORMATION FOR THE AGRICULTURE SECTOR IN SELECTED SITES OVER EAST AFRICA

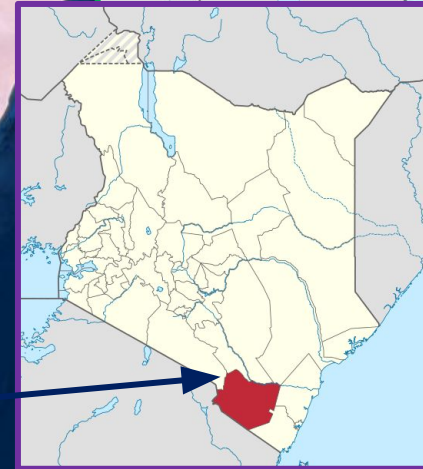
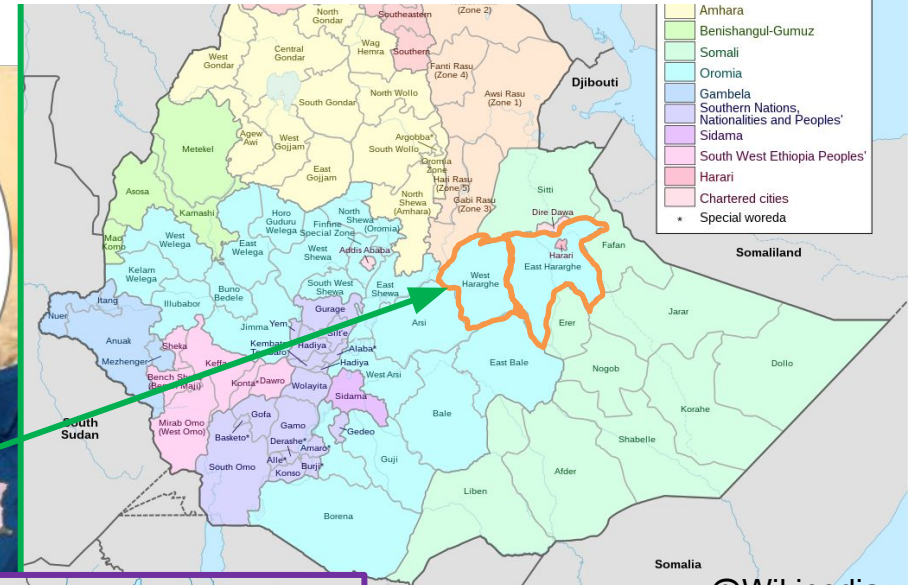
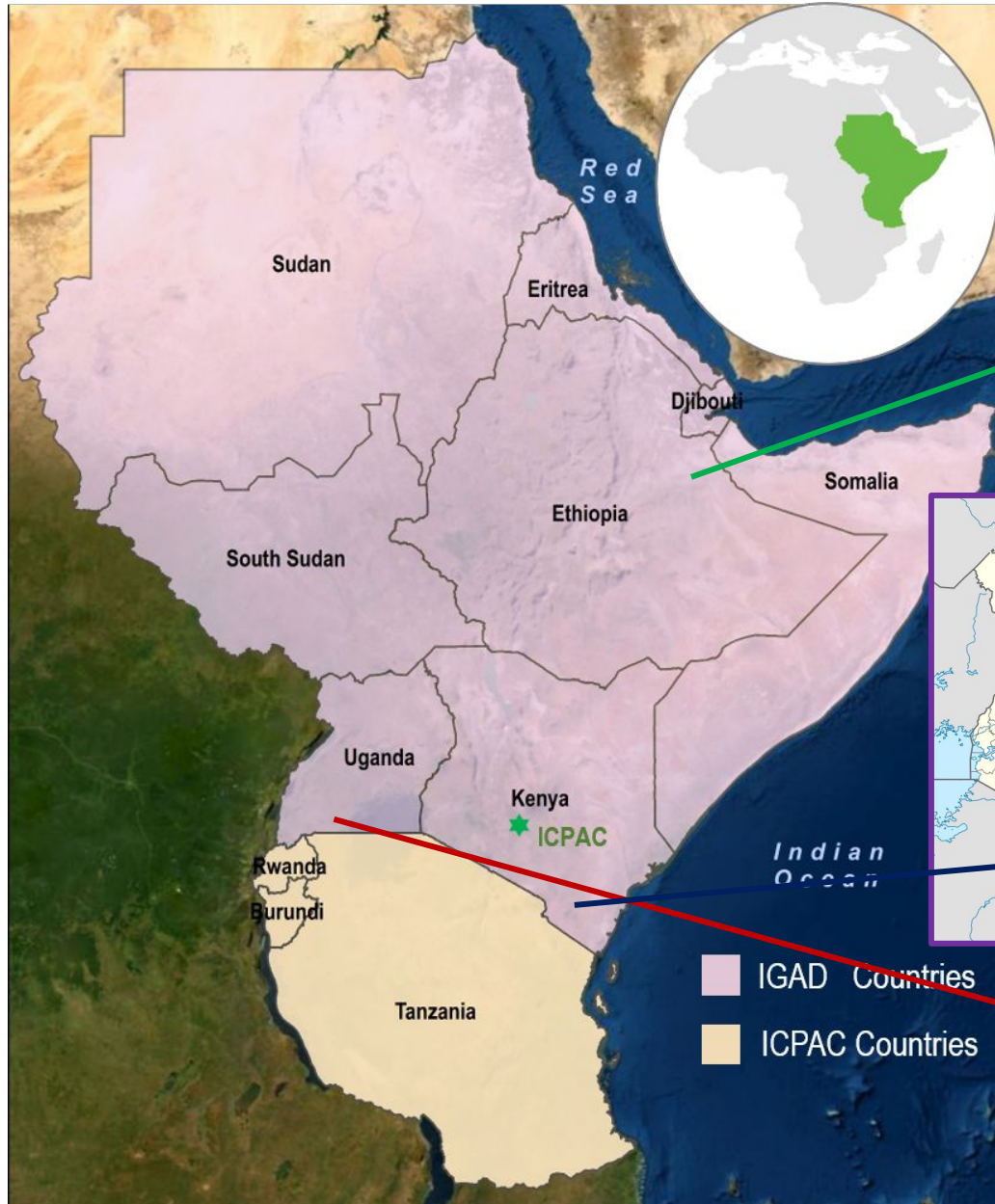
Anthony Mwanthi, Oliver Kipkogei, Cham Lam and Collison Lore

W2SIP and ACREII

- ❑ WISER II Support to ICPAC (W2SIP) aimed to strengthen user relevant CIS to the eastern Africa region.
- ❑ ACREI provided climate services to targeted pastoralist and agro pastoralist communities in Kenya, Uganda and Ethiopia
- ❑ ACREI was designed to building livelihoods resilience of vulnerable farming communities to adapt to future climate change and uncertainty in the Greater Horn of Africa (GHA) region through coproduction of CIS and products
- ❑ S2S forecasts were updated every Wednesday for next three weeks on rolling basis



SELECTED SITES



@Wikipedia
@Wikipedia



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REACHING LOCAL COMMUNITIES

- ❑ In line with the Global Framework for Climate Services (GFCS), ICPAC collaborated with the respective NMHS to improve CIS in local districts/counties in East Africa
- ❑ User Interface Platforms, such as the Participatory Scenario Process (PSP), and mass media approaches such as the Seasonal Media Action Plan (S-MAP) were utilized
- ❑ PSP meetings bring together stakeholders across the climate services value chain, including the end users, such as farmers, to co-design and co-produce weather and climate information.

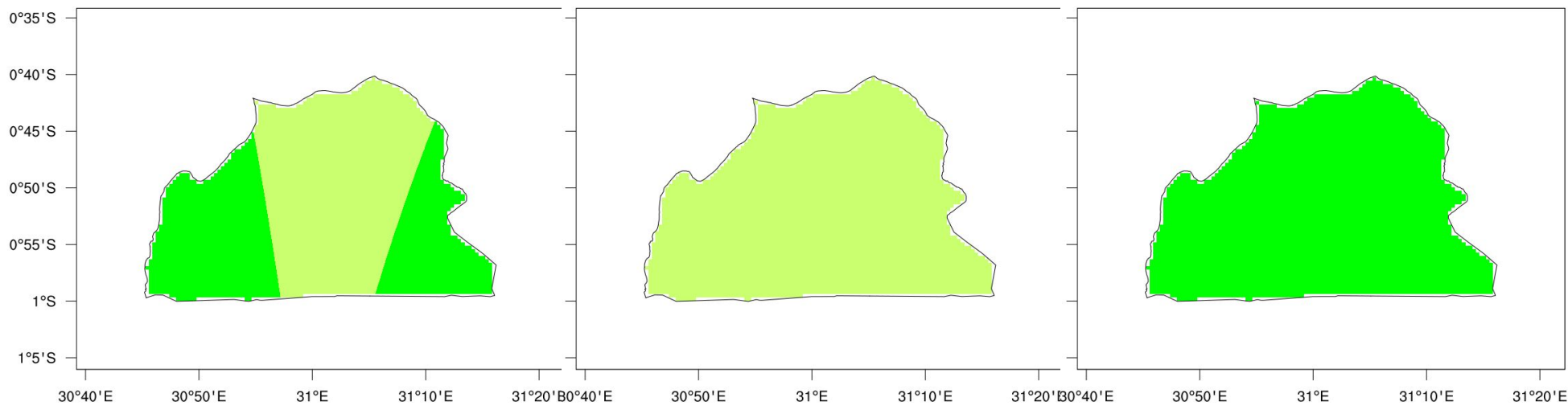
INTRA-SEASONAL RAINFALL FORECASTS - 2021

Isingiro

TP: 02Nov-15Nov - ECMWF

: 09Nov-22Nov - ECMWF

TP: 16Nov-29Nov - ECMWF

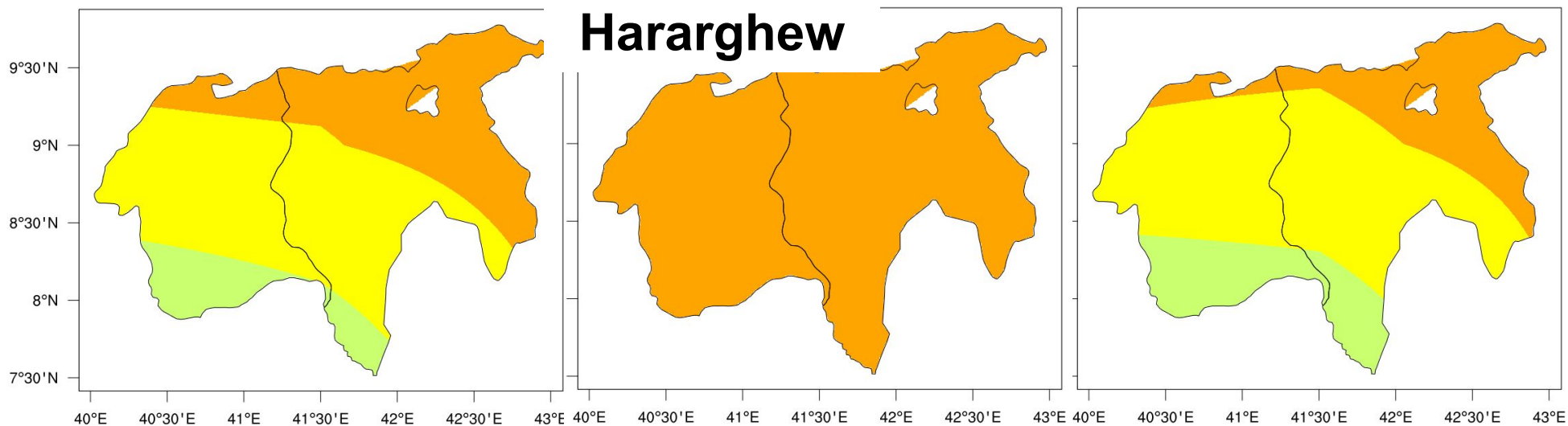


Hararghew

TP: 02Nov-15Nov - ECMWF

TP: 16Nov-29Nov - ECMWF

TP: 09Nov-22Nov - ECMWF



REACHING LOCAL COMMUNITIES

PSP

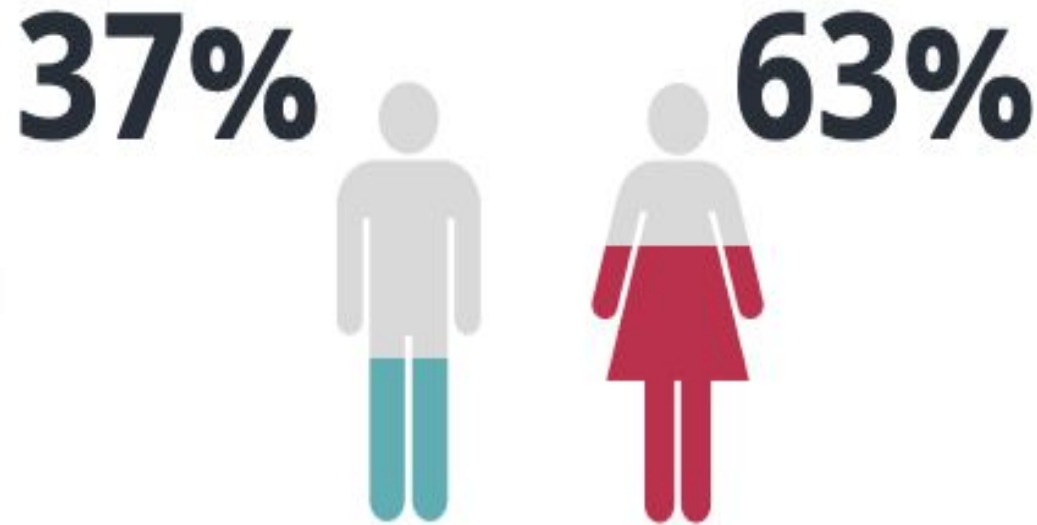
GHACOF



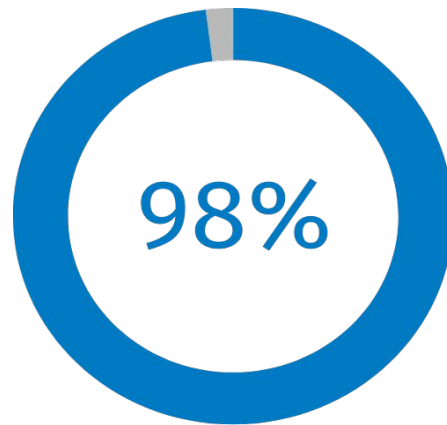
CASE STUDY OF UGANDA; ISINGIRO AND SEMBABULE DISTRICTS



CIS TO LAST-MILE USERS

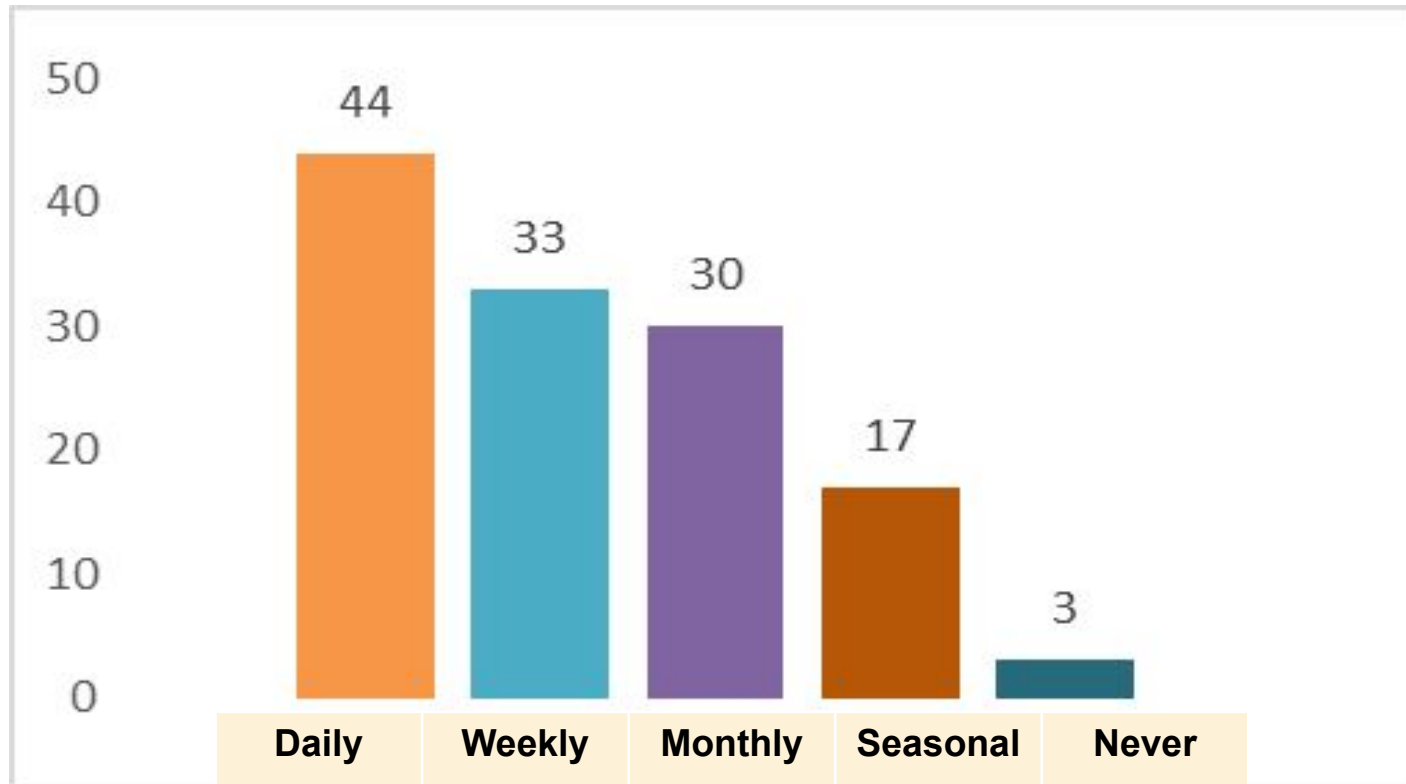


Access to CIS



- ☐ Acreage to cultivate
- ☐ When to plant
- ☐ Choice of crops
- ☐ Time to offload livestock
- ☐ Food stocking (human & fodder)

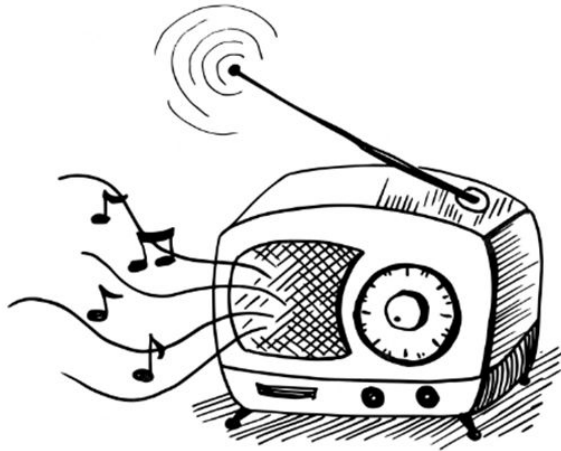
PSP and S-MAP



- ☐ Uptake of weather updates on daily basis was the highest compared other products such as weekly and monthly forecasts
- ☐ The preferred source was the local FM station.

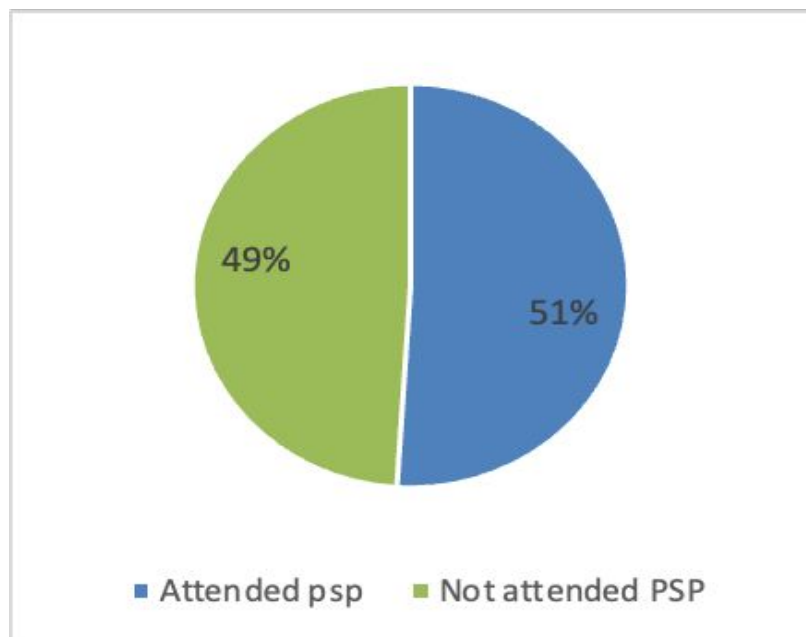
MEDIA AS PART OF CIS TO END USERS

- ❑ Over the last three years, communication of climate information in the local media has improved.



USER ENGAGEMENT

Who was surveyed



Uptake of CIS
contributed to
increased farm
outputs

87%

USER PERSPECTIVES ON S2S CIS



- ❑ Holding PSPs at the sub-county level, in addition to the district level PSPs to increase the number of farmers participating.
- ❑ Increasing the number of engagements and stakeholders involved for wider coverage.
- ❑ Incorporating the PSP process into district workplans and budgets.

USER PERSPECTIVES ON S2S CIS

- ❑ Improved spatial and temporal resolution is critical to most users at the local scale (downstream applications) ❑ one potential hydrology user, data was too coarse
- ❑ Need for established decentralized channels to reach end-users; collaboration with media is key
- ❑ Last mile end users to be more involved in the co-production process with regular assessment of the value-added elements of CIS.

THANK YOU!

ASANTE!

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