MAY 29-31
AIM for Scale Weather
Partnership Convening

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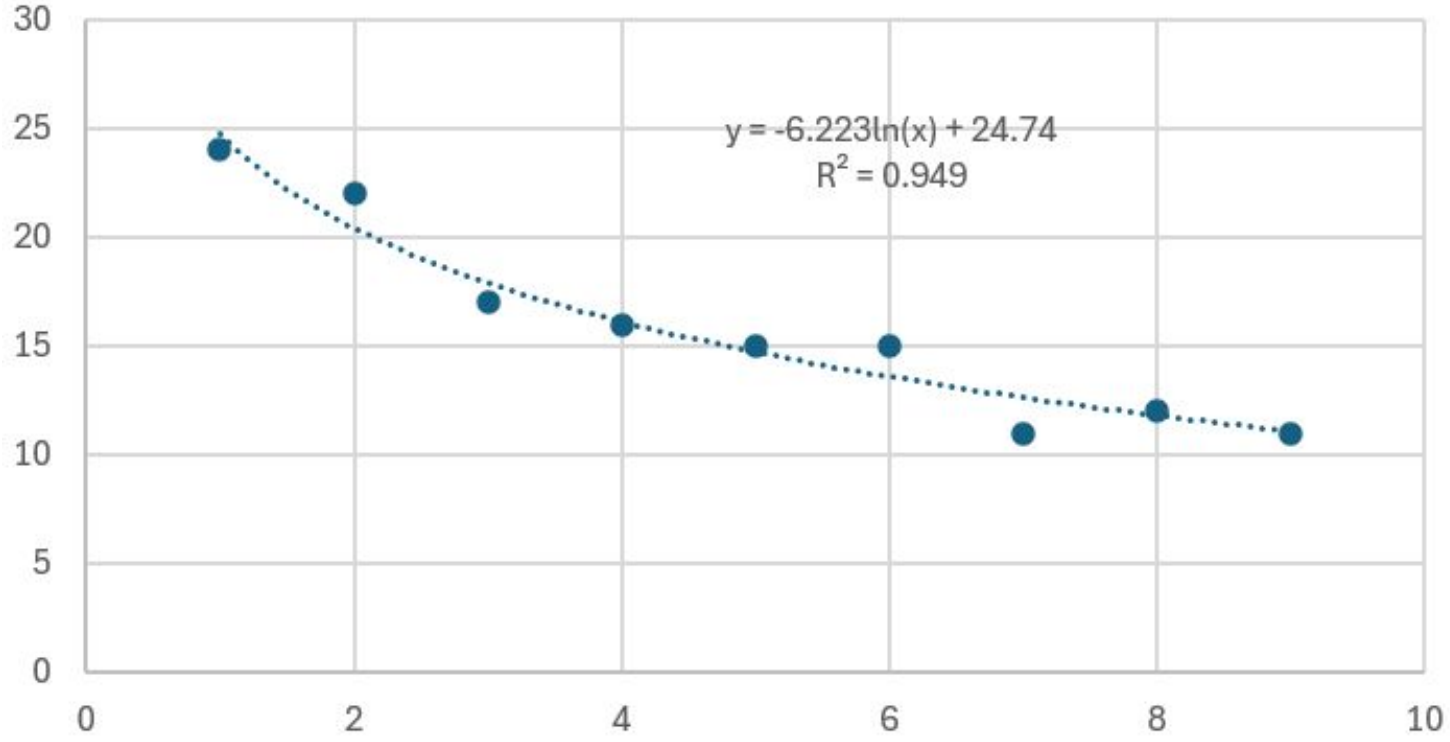
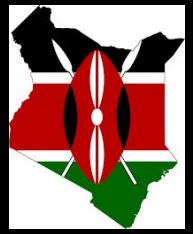
Welcome to Day 3!

Benchmarking Menti Poll





Name	RANK	Random
Odjugo Peter	1	0.001734241
Anna	2	0.040111347
Asaminew	3	0.078775506
Japeth Otieno Migiro	4	0.166689923
Sebastien Acosta	5	0.20194719
Farrae	6	0.205942025
Oluwaseun Wilfred IDOWU	7	0.229046144
Moktar	8	0.427648723
Will	9	0.441734955
Dr. Shameem	10	0.462907766
Akbobek	11	0.482175155
Temesgen	12	0.576332037
Tobias	13	0.649720827
Oliver Kip	14	0.732080413
Olivia	15	0.805635931
Tufa	16	0.81059437
Stanley Best	17	0.836009809
Khadijat	18	0.84433224
Hosni Ghedira	19	0.861014736
Giulio	20	0.865979441
Monica	21	0.868089764
Erin Coughlan de Perez	22	0.917164345
William Boos	23	0.969348387

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Regroup and prepare your presentations

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Country Investment Plans

Country

- **Observation Network:** xx
- **Forecast Production (AI):** xx
- **Benchmarking & Validation:** xx
- **Dissemination:** xx
- **Learning:** xx

Bangladesh

Context- Specific Team Approach: Building on findings of baseline study, stakeholder workshop earlier in 2025; we reviewed a working draft concept note and aimed to identify additional gaps and opportunities based on priority use cases

Concept Note: Focus on establishing Digital Public Infrastrastructure for Agriculture resulting in a one-stop-shop service for farmers, government and value chain actors.

Gaps/Opportunities identified (additional to concept note)

- **Observation Network:** Marine observation system (required to improve forecast quality); Evapotranspiration sensors; incl. laboratory and equipment for calibration & regular maintenance;
- **Forecast Production (AI):**
  - Strengthen flood & drought forecast capability: (i) national flood forecasts (monsoon and pre-monsoon flash floods); (ii) storm surge inundation model;
  - Create AI based forecasting capacity;
- **Benchmarking & Validation:** Ensure resolution of agronomic advice matches high- low-land distribution;
- **Dissemination:**
  - Extreme event alerts: Near real-time broadcasting of messages to warn farmers of impending disasters (eg. flash flood);
  - Lightning & Thunder early warning system dissemination & awareness raising: Increase lead-time from current 40 min and develop near-time dissemination mechanism;
- **Learning:** Deepen linkage with extension service to transfer information to farmers.

Chile

ALL AGENCIES RELATED TO AGRO-CLIMATIC SERVICES FOR SMALLHOLDERS SHOULD BE INVOLVED!

- **Observation Network an:**
  Network assessment (WMO methodology)
  National framework for agri-climate services (WMO methodology)
  Upgrade of infrastructure
  Data integration

- **Forecast Production (AI):**
  Production of climate services (assessment of farmers' weather information needs, output generation, and design)
  National strategy for agri-climatic services

- **Benchmarking & Validation:**
  Computing power (especially for storage)
  Training

- **Dissemination:**
  Dissemination strategy (work on trust through extensionists, choice of right channels)
  Design and development of dissemination platform
  Adjustment of current programs to prioritize subsidies for the implementation of agroclimatic recommendations

- **Learning:**
  A/B testing from pilots

Nigeria

Observation Network:

1. **Increased Density of Agro-meteorological and hydrometeorological Stations** including **real-time data collection sharing** (e.g. servers) - Soil moisture and soil temperature need to be collected automatically especially because of pest disease

a. Radar network development
b. Satellite Product access
c. Temperature sensitive crop monitoring - min/max temperature alerts weekly updated daily at farm-specific level

Forecast Production (AI):

1. **Capacity building for AI Model implementation and use**

b. AI Tuning with local data
c. Training farmers and extension agents to use mobile Apps
d. Capacity building for Digital Climate Advisory Services implementation
e. Norms interventions eg. drama skits, jingles
f. Data assimilation techniques
g. Farm Decision Management Services
h. AI in climate risk Management
i. Crop AI Modelling

Benchmarking & Validation: Model validation techniques for hydrometeorological and agrometeorological forecasts

Dissemination:

1. **National Electronic Extension Platform for extension service delivery**

b. One stop shop mobile application
c. Website investments
d. Push SMS, jingles, etc in multiple languages
e. Application Programming Interface (API) Systems to link weather forecasting to extension delivery

Learning: Conduct stakeholder meetings as a feedback mechanism (National, State and community levels) and impact evaluation studies

Ethiopia

- **Observation Network:**
  - Increase the coverage of Meteorological station network as per the EMI roadmap
  - Increase the number of weather Radars
- **Forecast Production (AI):**
  - Implement AI-based model with weather, sub-seasonal and seasonal information
  - Capacity building
- **Benchmarking & Validation:**
  - Generate actionable and validated weather and climate information products
    - Onset and secession dates
    - Number of wet/dry days
    - Number of dry spell
    - Length of seasons
    - Amount of rainfall
- **Dissemination:**
  - Expand and Strengthen the existing digital agriculture advisory system (8028 Farmer Hotline) with
    - More actionable and validated weather, sub-seasonal, seasonal information
    - Text to voice conversion system to the hotline
    - Multiple local languages
- **Learning:**
  - Undertake A/B test
  - Feedback loop to understand gaps in forecast quality

Kenya

- **Observation Network:**
  - **Utilization of existing data**
    - **Existing AWS (650) not fully accessible / integrated. Format of data is a challenge**
  - **Upgrading station network**
    - **Around 150 (Agromet) AWS needed, particularly in NE and NW.**
    - **Placement of stations guided by analysis of need**

- **Forecast Production (AI):**
  - IT dept to optimize computing facilities (training, new personnel)
  - **Upgrading computing infrastructure, ESPECIALLY IN AGROMET (CPU + GPU)**
  - **Training for meteorologists AND AGROMET on emerging methods / models**
  - Recruiting more meteorologists, agrometeorologists, IT people

- **Benchmarking & Validation:**
  - 10-day / S2S forecasts benchmarking (especially important for agriculture)

- **Dissemination:**
  - Digital data sharing platforms (e.g., machine readable forecasts)
  - **Increasing farmer ability to act on forecasts**
    - **Expanding co-production / PSPs at county level**
    - **National expansion of access to inputs (e.g., fertilizer, seeds, …)**
      - **KALRO, Kenya Seed, etc. expand seed shops**
      - **Seed production increase**
      - **Policy on seed availability based on forecasts**
  - **Dissemination through high-level decision makers (and part of co-production)**

- **Learning:**
  - **Cost-benefit analysis of climate services (to raise priority for funding)**
  - Analysis capacity for station placement

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Break

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Remarks from Dr. Zhang and Dr. Alebri, NCM

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Plenary Discussion on Regional and Global Public Goods

Which public goods would you prioritize?

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Final Remarks

Thank

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WhatsApp group

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