

3rd Regional Workshop of CARE Component 1:
Regional Sectoral Focal Points Meeting

24 February 2025

IMPLEMENTATION PROGRESS:

Bangladesh

Presented by

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Agenda

- Progress and Achievements
- Sustainability and Way forward
- Demonstration of the Tools/DSSs
- Discussion

Progress and Achievements

1. NLAS integrated into National Data Center (nlas.dls.gov.bd)

National livestock Advisory System (NLAS) has been hosted in the National Data Center with provision of necessary budget support from Department of Livestock Services (DLS)

2. DSS for FFWC Operationalized (ffwc.gov.bd)

DSS for FFWC has been transferred to BWDB's data center, stakeholder feedbacks have been incorporated and tested for operation

3. Mobile Application for BAMIS Developed

Mobile application development for BAMIS has been completed and being tested by users



4. Advisories Reached More than 130,000 Beneficiaries

Advisories have been disseminated through different channels including emails, voice messages and mobile applications

5. More than 700 Government Officials Trained

More than 700 government officials from the stakeholder agencies have been trained on the application of DSS products, operation and maintenance

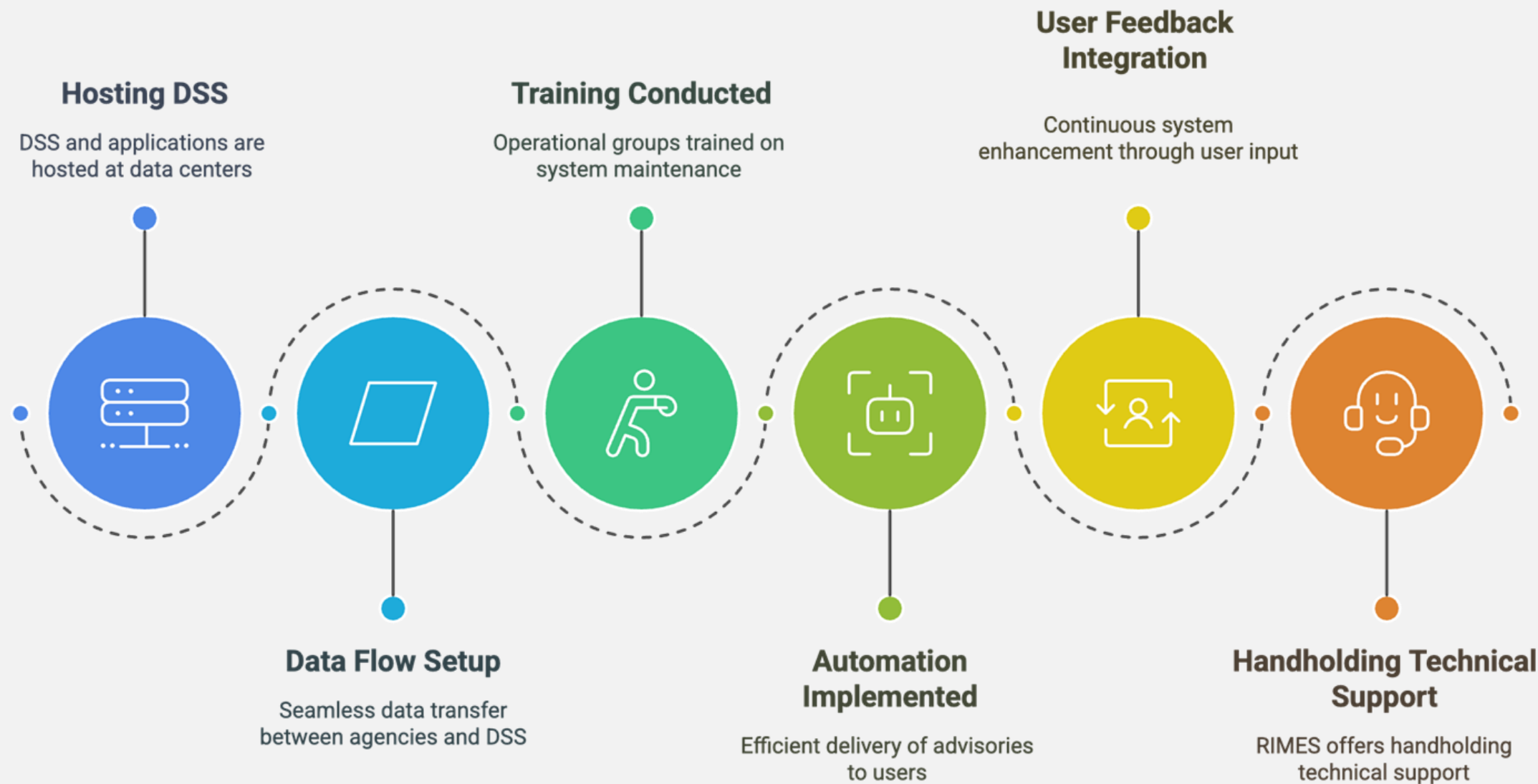
Progress and Achievements: Capacity Building



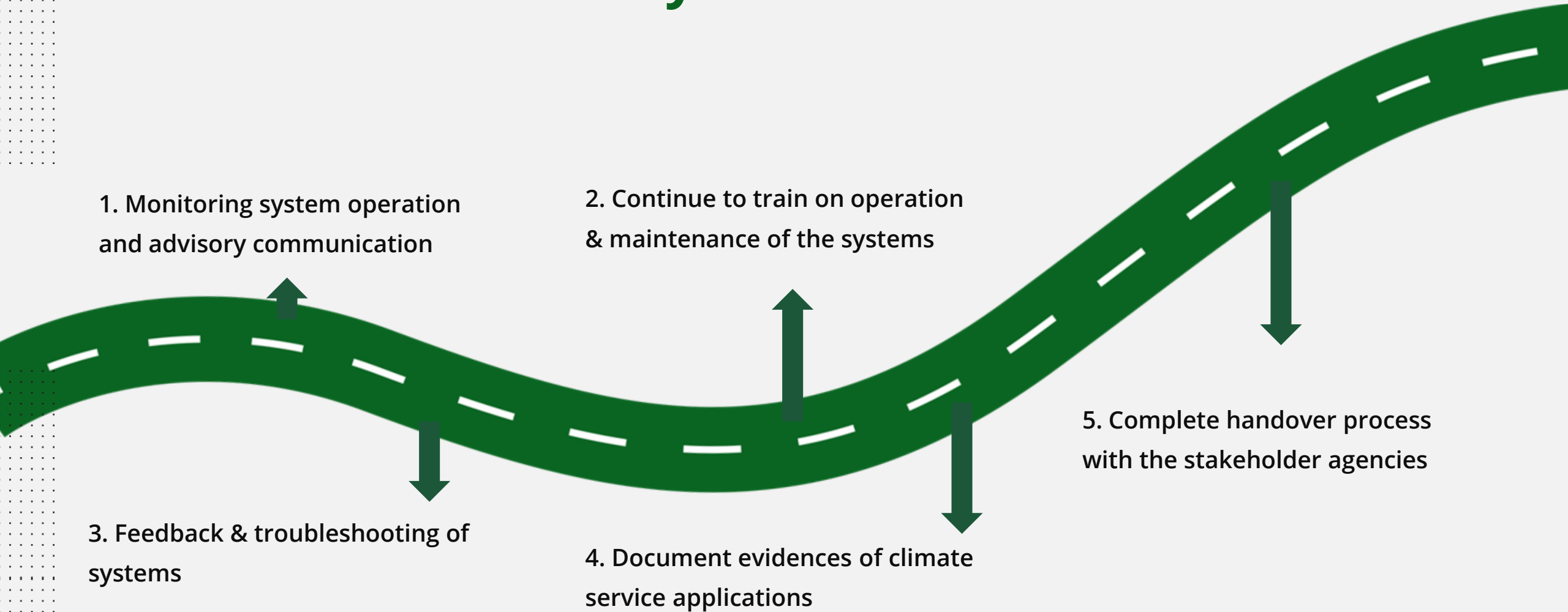
Training/Activity	Target Government Participants	Acheivement
Climate Application Forums	250	203
ToT on Climate Info App	20	48
Training on DSS/tools O&M	30	269
Training on DSS products application	40	182
Total	340	702

- Seasonal Climate Advisories have been issued for key sectors
- Access to forecast and advisory information has been enhanced
- *About 280 farmers already reached through community demonstrations*
- Evidence of advisory application for agriculture and livestock sector

Sustainability



Ways Forward

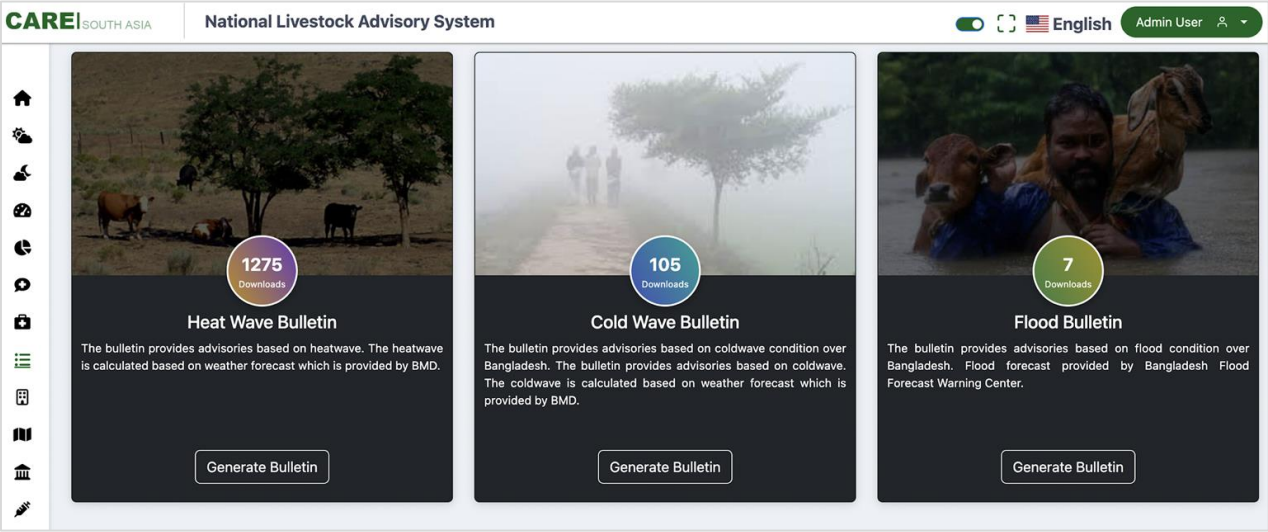




National Livestock Advisory Service (NLAS)

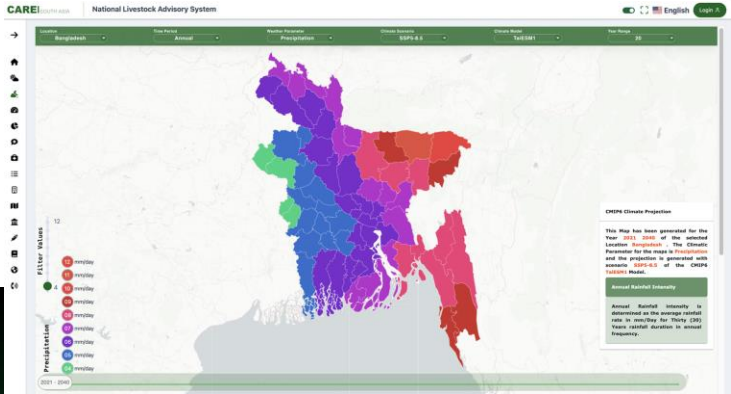
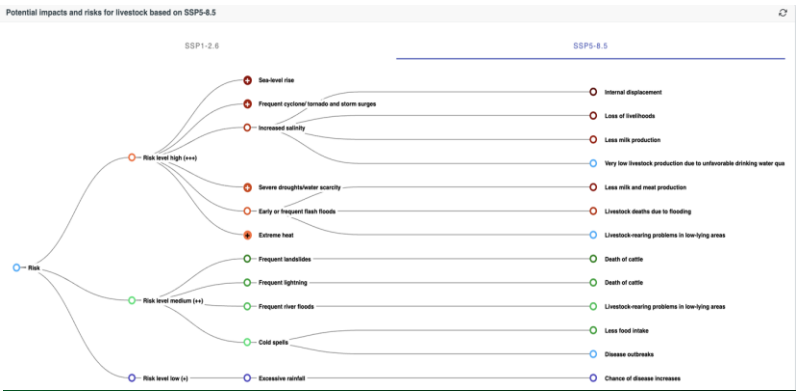


National Livestock Advisory Service (NLAS)



- Voice message advisories reached to more than **76,000 farmers**
- **249** DLS officials have been trained on the DSS

Special bulletins for Extreme Events



Strategic Adaptation Planning

Multi-timescale Information

Co-production Approach

National Livestock Advisory Service



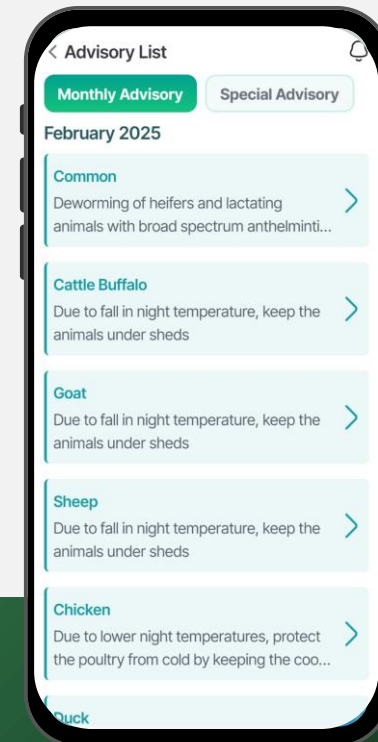
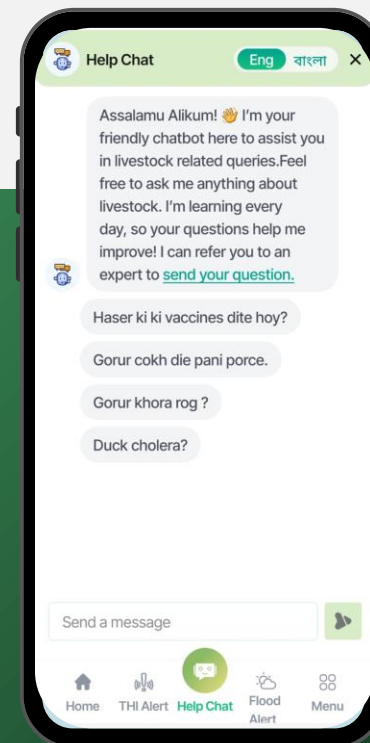
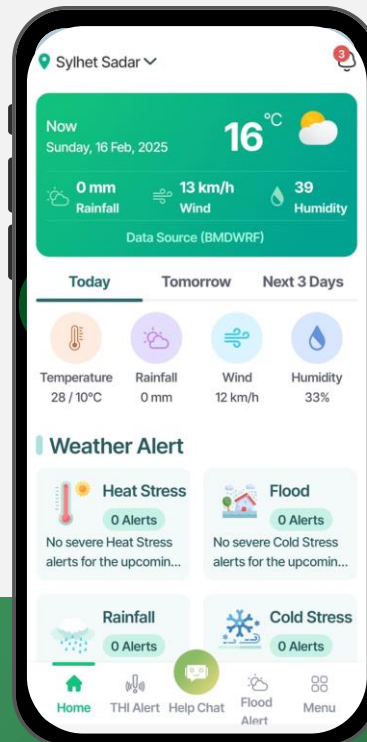
Personalized Advisories

Location specific and animal specific alerts and advisories.



AI Enabled Chatbot

Bilingual chatbot trained with actual Q&A from the farmers



MOBILE APPLICATION

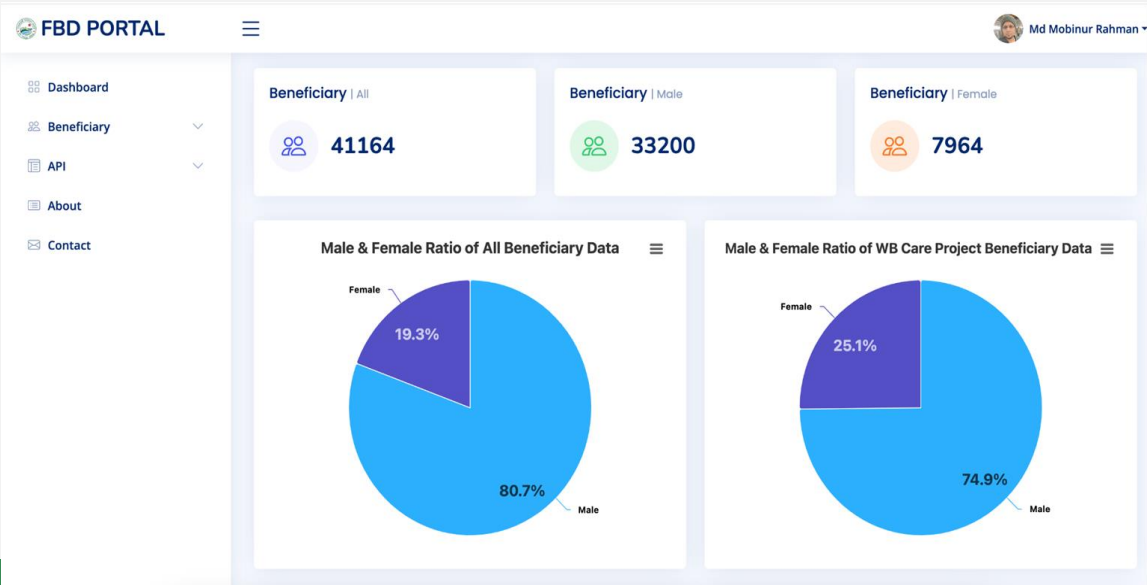
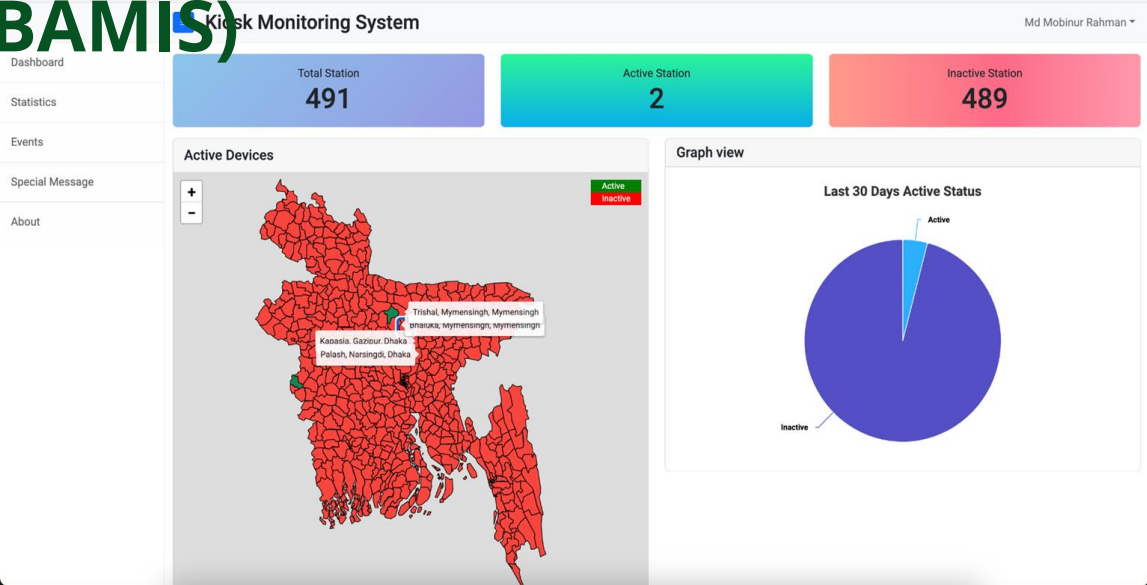
Demonstration of the National Livestock Advisory Service (NLAS)



Support to Department of Agricultural Extension (DAE)

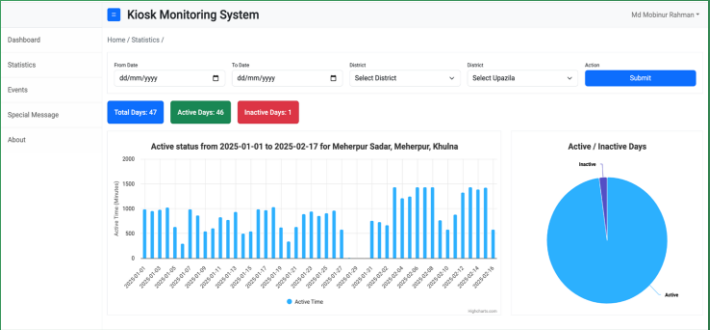


Support to Bangladesh Agrometeorological Information System (BAMIS)

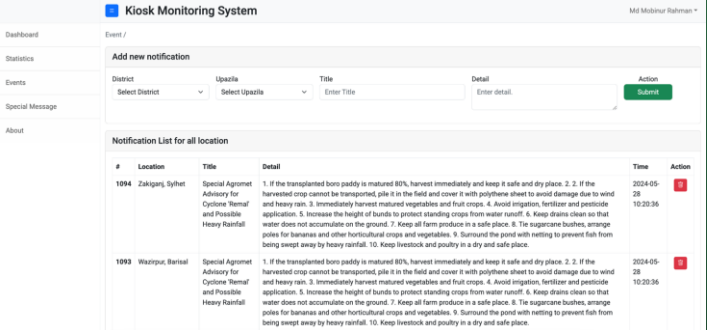


Real-Time KIOSK Monitoring & Alerting

Agromet Beneficiary Database



Active Status Analysis



Customize Notification Dissemination

BAMIS MOBILE APPLICATION



PERSONALIZED CROP MONITORING SYSTEM

Provide real time personalize crop information including sending alert and advisory



AI-BASED DISEASE DETECTION AND CROP ADVISORY

Delivers stage-specific crop advisories based on crop type, growth phase, and weather conditions



Demonstration of Bangladesh Agrometeorological Information System (BAMIS) Mobile Application



DSS for Flood Forecasting and Warning Center

DSS for Flood Forecasting and Warning Center

Public Interface

Bulletin
Preparation



Data
Management



Dynamic
Analytics



ML Application



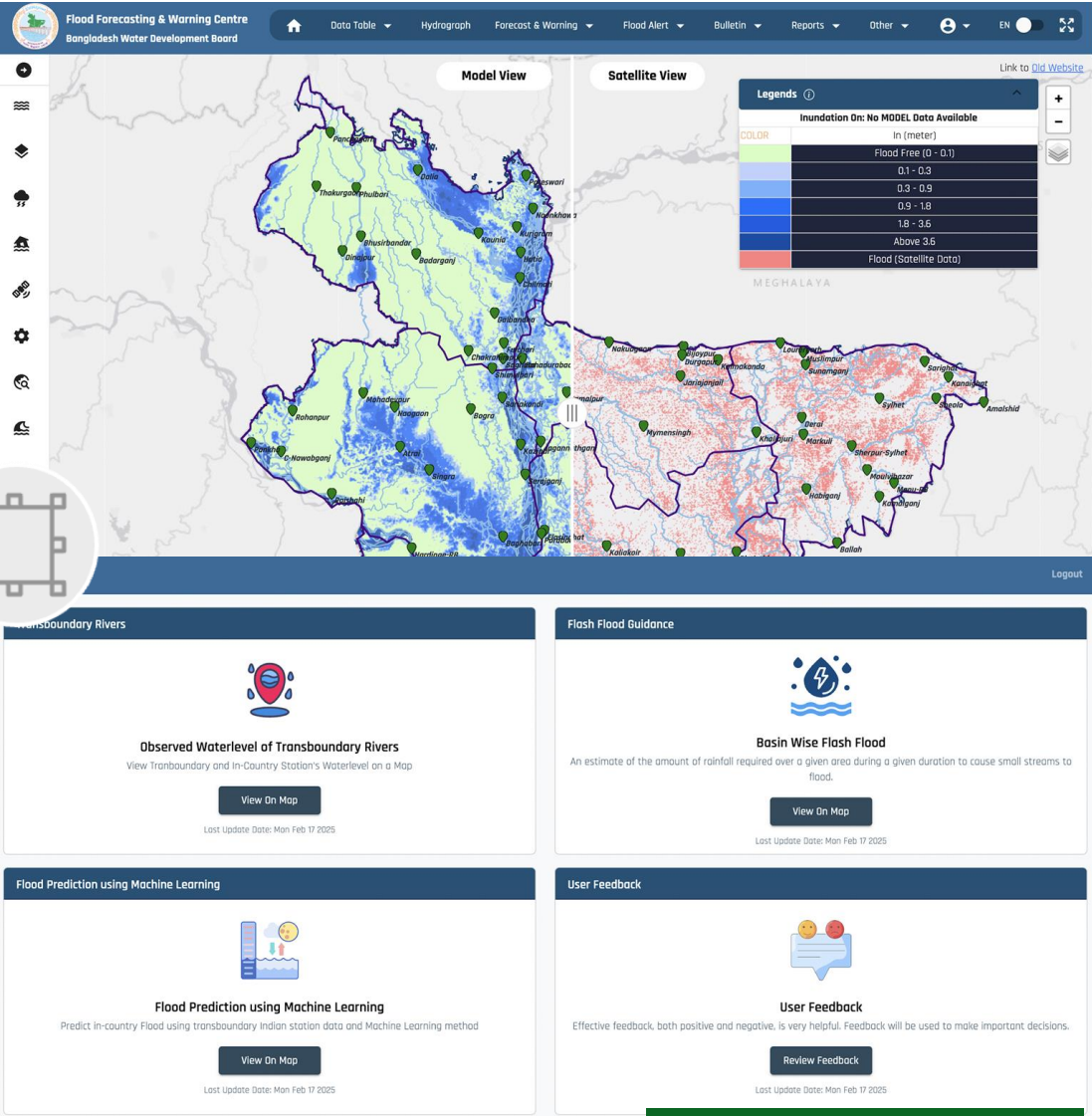
Intuitive
Visualization



Rapid
Dissemination



Enhanced Forecast Efficiency



Forecaster's Panel

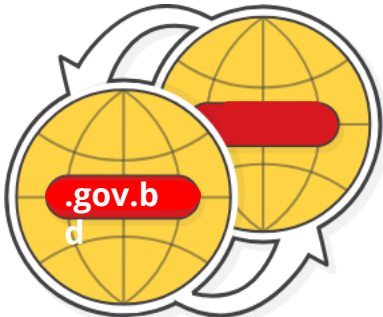
DSS for Flood Forecasting and Warning Center



FFWC DSS trial operation



June 2024



DSS hosted in the FFWC domain



January 2025



Ready for operation
Flood Season 2025



March 2025

Demonstration of the DSS for Flood Forecasting and Warning Center



THANK YOU

CARE for South Asia Project, Component 1

*Contributing to an enabling environment for climate-resilient policies
and investments for select sectors in South Asia*

[www. careforsouthasia. info](http://www.careforsouthasia.info)