Weather Impact

ECMWF forecasts for African small-scale farmers

6th June 2018 Fiona van der Burgt MSc









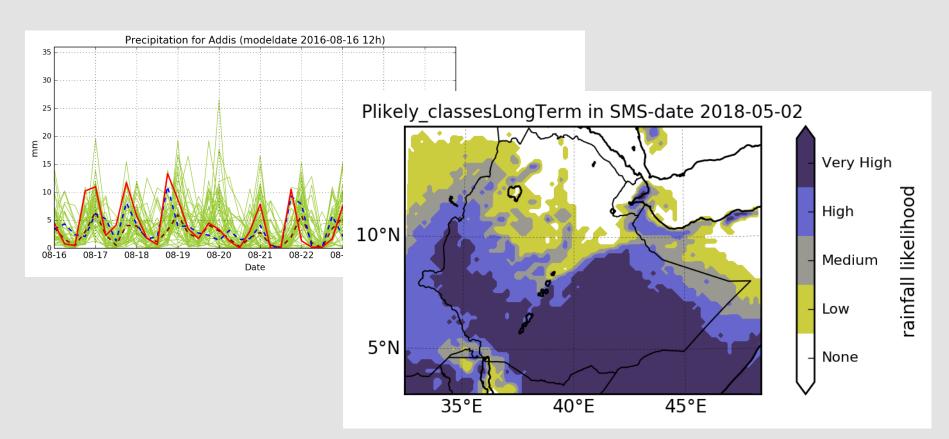






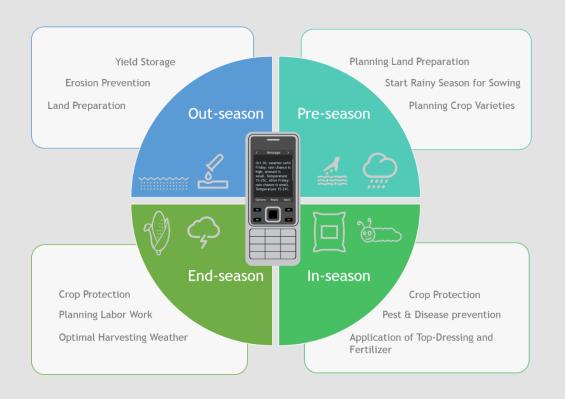
1. Location specific and reliable forecasts

From "Uncertainty" to "Likelihood"



2. Information/technology tailored to user needs

Local language and appropriate technology



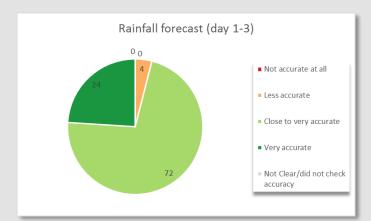


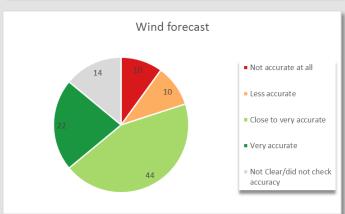
3. Service is embedded in existing local network

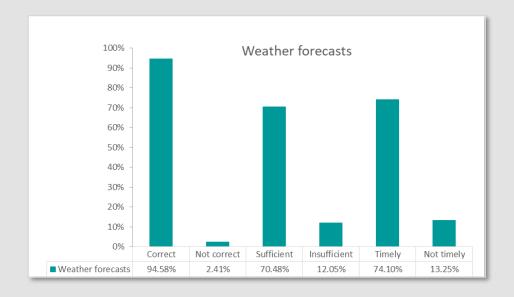
Extension networks as "ambassador" of the weather services



User evaluation in various projects





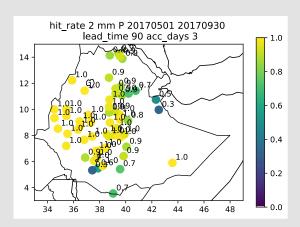


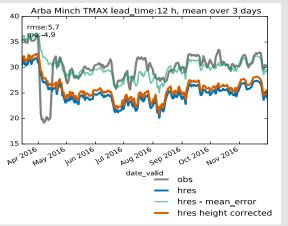
4. National weather services approve the service



Validation of ECMWF forecasts

- Rainfall likelihood good skill:
 - 80-90% accuracy
- Temperature fluctuations are well captured
- Predicting extreme rainfall events is possible, but not straightforward
- Rainfall amount can be improved, performance is very good compared to other models
- Difficulties next to big lakes





5. Involve the right partners for sustainability

- Financial institutes
 - MFI/insurers/banks
- Agro-input suppliers
- Governments

















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