



AFIS

ADVANCED FIRE
INFORMATION SYSTEM

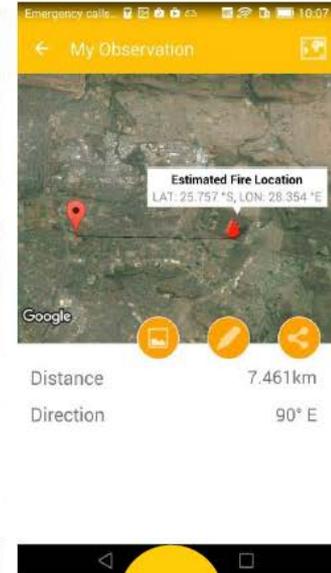
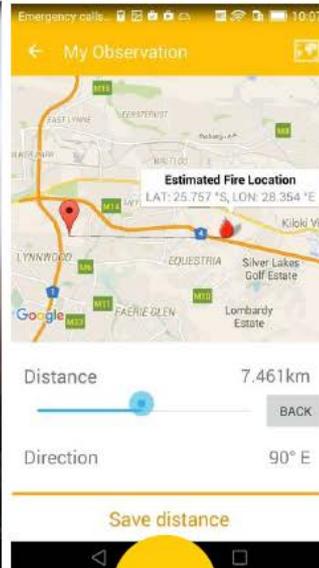
Research to Operations

What is AFIS

- Wildfire Information Monitoring and Visualization *framework* that allows for the integration of any data source
- Developed in *partnership* with fire managers from the forestry and utilities domain over more than 10 years
- Fully integrates satellite based and forest *camera detections* in to seamless detection network.
- It supports both ground based resources through *mobile solutions* and dispatch control centers with the fire dashboard and integrates with any existing GIS platforms and CMS's
- It *dynamically links* fire incidents with weather, fire danger and historical events for improved decision making
- It is a *hosted Software Solution* which provides a proactive service with out the need for specialised IT support

Crowd Sourced Fire detection and reporting

Spatially linked and controlled public reporting



The **AFIS Watchtower** app allows users to report the location of fires by pointing the Watchtower app in the direction of the fire through the phone camera. Both distance and direction to the fire is recorded and a latitude and longitude coordinate is produced and sent to the AFIS viewer

Supporting GWIS...

Contributions:

1. Strong links with user communities (Forestry, Utilities, Government,
2. Deep understanding of the needs to fire managers
3. Access to crowd sources information
4. Direct communication channels to fire managers through mobile app and dashboard

Support required:

1. Near real time access to Sentinel 1, 2 and 3
2. Validation campaigns for SAFNET