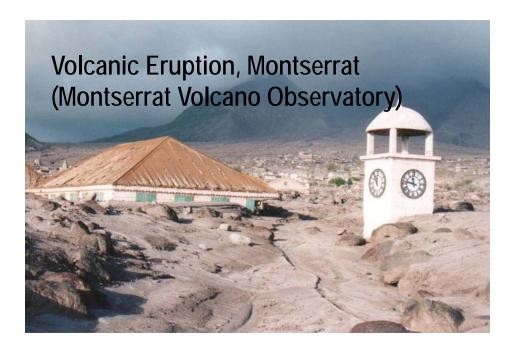
# GEOSPATIAL APPLICATIONS FOR CLIMATE CHANGE AND DISASTER MITIGATION: TOOLS AND METHODS

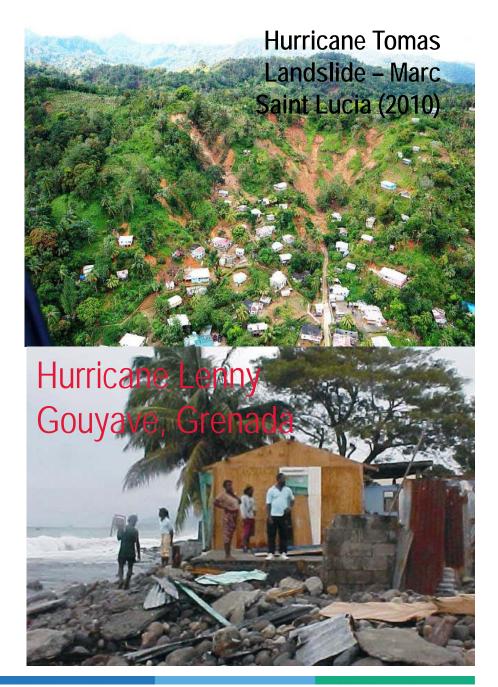
Prepared by
Liz Riley, Deputy Executive Director, CDEMA
Presented by
Jacob Opadeyi, University of Guyana













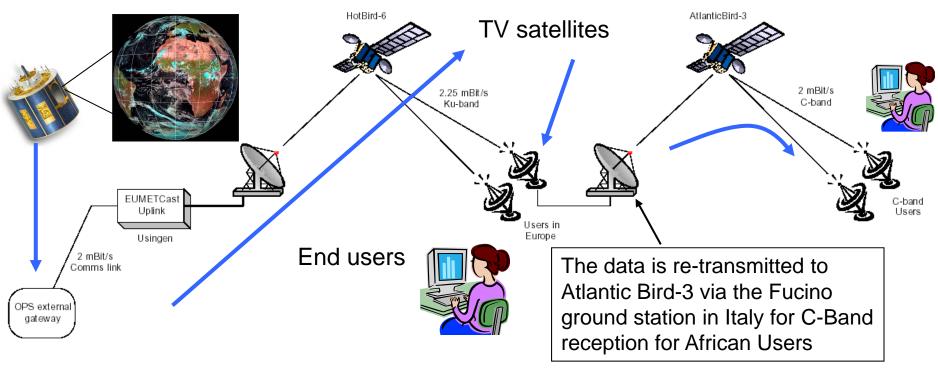
### We in the Caribbean do need access to tools and methods for undertake the following

- Trend analysis
- Predictive analysis
- Risk modelling
- Scenario modelling
- Evacuation planning



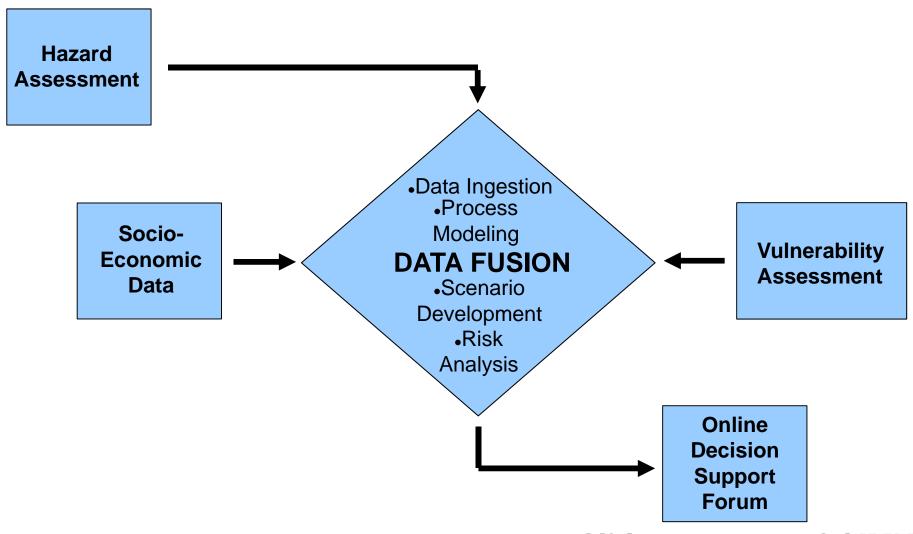
#### WE NEED REAL-TIME SATELLITE RECEPTION

After central ground processing at EUMETSAT, images in full resolution are transmitted in HRIT mode, within < 2 minutes of observation and then....



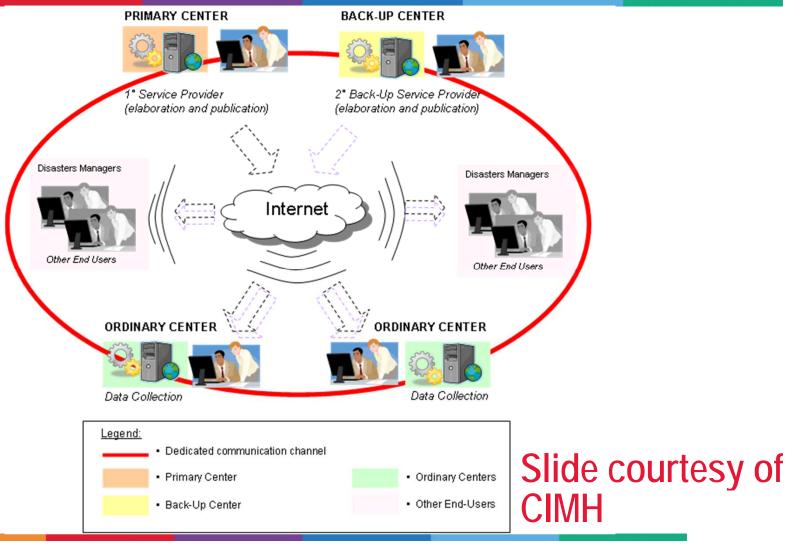
Before the (data) signal is received by an end-user, it has travelled: from MSG in space -> Darmstadt -> Usingen -> Eurobird-6 -> Fucino -> AtlanticBird-3 -> Local Station (approximate distance is 5 \* 36.000 km!!)

## CONCEPTUAL FRAMEWORK FOR (DATA USE IN) EFFECTIVE HAZARD RISK MANAGEMENT (CIMH 2013)



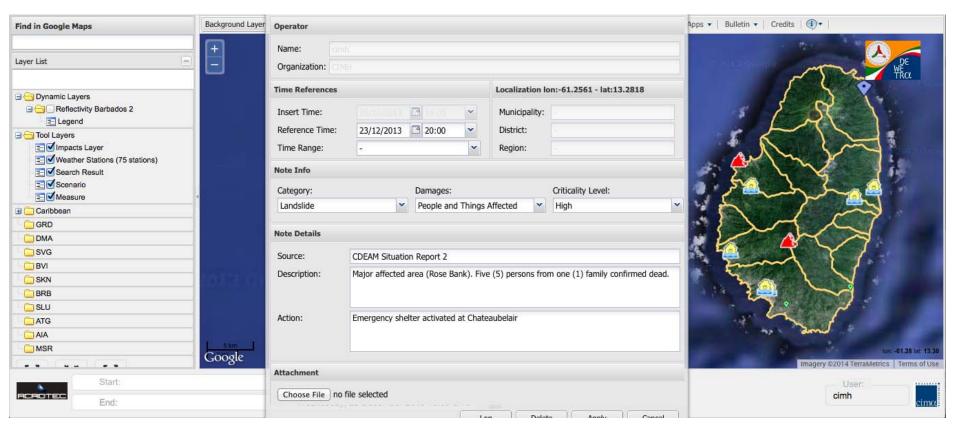
Slide courtesy of CIMH

#### CARIBBEAN DEWETRA PLATFORM





#### HYDRO-METEOROLOGICAL RISK



#### Slide courtesy of CIMH



#### THANKYOU!



Should you have any queries, please contact:

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