Hurricane Tomas
Landslide – Marc
Saint Lucia (2010)

Volcanic Eruption, Montserrat
(Montserrat Volcano Observatory)

Earthquake
Haiti, 2010

Hurricane Lenny
Gouyave, Grenada
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)

Data Fusion
- Data Ingestion
- Process Modeling
- Scenario Development
- Risk Analysis

Hazard Assessment

Socio-Economic Data

Vulnerability Assessment

Online Decision Support Forum

Slide courtesy of CIMH
HYDRO-METEOROLOGICAL RISK
THANKYOU!

Should you have any queries, please contact:
Caribbean Disaster Emergency Management Agency (CDEMA)
Building #1, Manor Lodge Complex
Lodge Hill, St. Michael, Barbados
Tel: 246-425-0386  Fax: 246-425-8854
Email address: cdem@cdema.org