

Benefits of Partnering with the Private Sector: Success Stories in Building Infrastructures

John Doherty – Global Development Officer

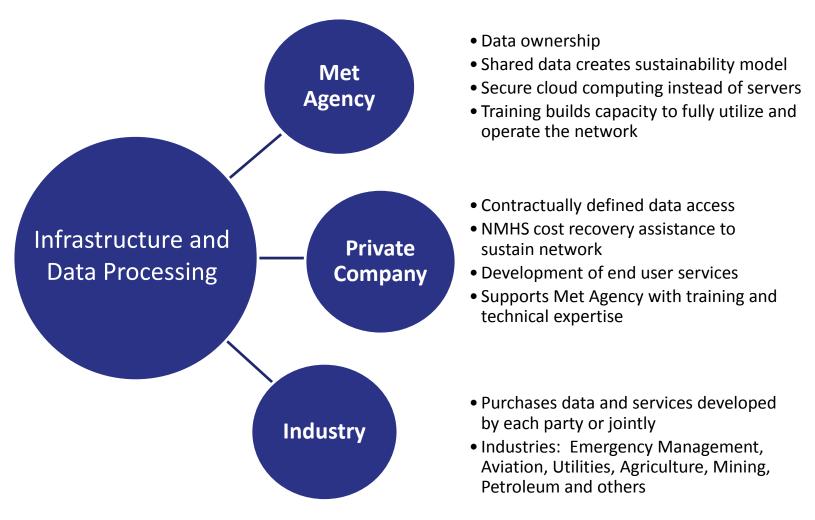
Challenges Facing National Met Agencies Building Severe Weather Monitoring Systems



One Solution: Enable a Private-Public Partnership Providing "Next Generation" Technology Delivering Performance and Sustainability at Lower Cost

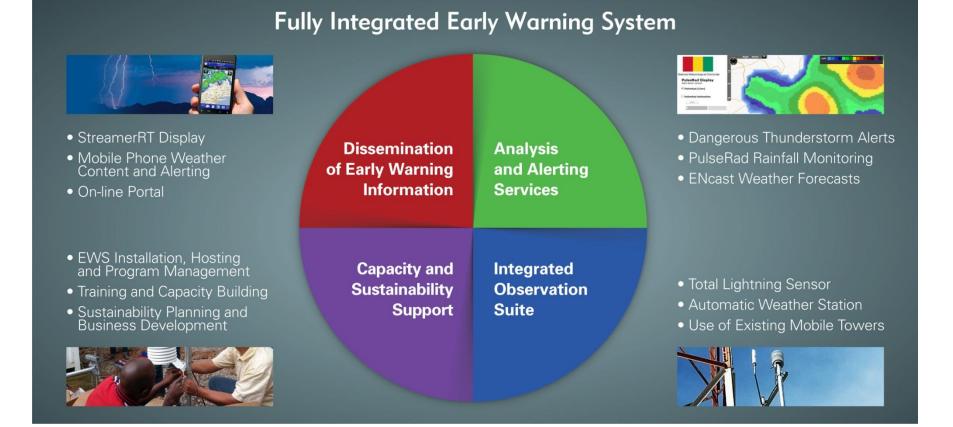


Delivering Infrastructure, Capacity and Sustainability with Lower Operating Cost





Early Warning System: Next Generation Technology with Lower Cost

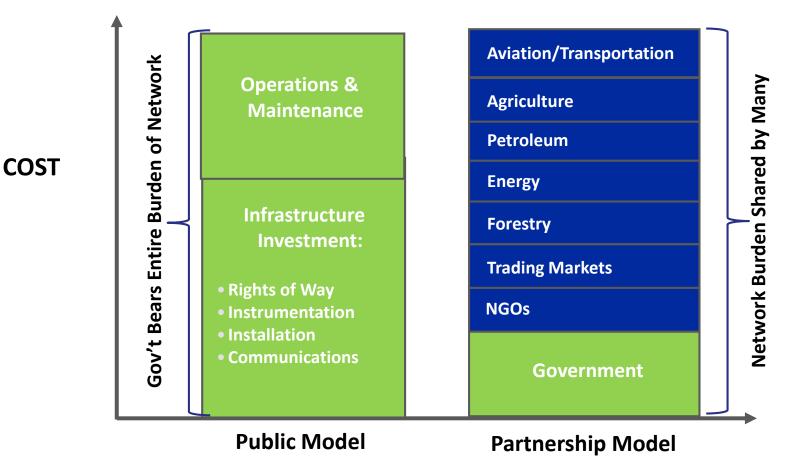


Provides increased capability, capacity, and sustainability for the Met Service



Private-Public Partnership Enables Sustainable Met Service Operations

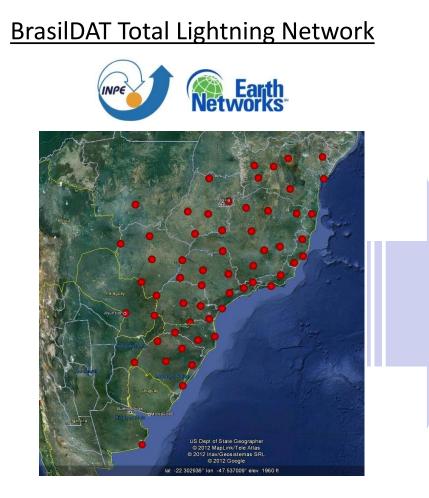
Total Operating Cost





Public Private Partnership – INPE Brazil

Data Services Sustainability Model



Sustainability Achieved Through Commercial Applications for Industry



- Aviation
- Electric utilities
- Agriculture
- Mining
- Media/broadcast
- Emergency Services



Network Development Partnerships Growing in Africa



Guinea Early Warning Pilot Project (West) 12 station network of total lightning sensors and AWS

- Complete Early Warning System providing proxy radar, alerting and precipitation forecasting
- Prospective Stakeholders: Aviation, energy, mining and agriculture





Lake Victoria Basin Nowcasting Pilot Project (East) 12 station network of total lightning sensors and AWS

- In partnership with East African Community Secretariat (EAC), and African Centres for Lightning and Electromagnetics (ACLE); Fully committed to UN for 2014-15 implementation
- Prospective Stakeholders: Fisheries, agriculture, hydropower

Mozambique Early Warning Network Pilot Project (South) 10 station network of total lightning sensors and AWS

- In partnership with Instituto Nacional de Meteorologia (INAM)
- Prospective Stakeholders Hydropower, mining and agriculture



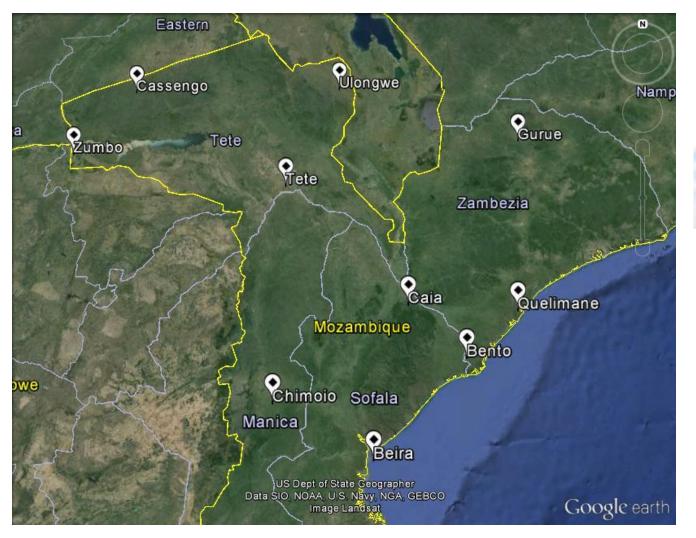




Appendix



Central Mozambique: Pilot Early Warning Network



Prospective Stakeholders:

Hydropower -



Dozens of mines-

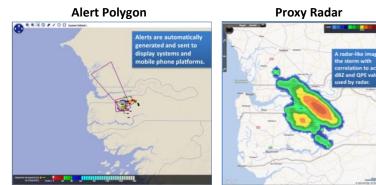


RioTinto



East African Community: Lake Victoria Pilot Project











- Tanzania, Kenya, Uganda, Rwanda, Burundi
- East African Community (EAC) Secretariat
- In partnership with African Centres for Lightning and Electromagnetics (ACLE)
- 12 Stations covering Lake Victoria basin
- Verification, training and capacity building
- Committed to UN to fully implement in 2014-5
- More stakeholders are most welcome!