Establishing a Resilient ICT Network

Connecting People during Disaster

Jeffrey N. Llanto
Executive Director
CVISNet Foundation

- Philippine based ICT foundation formed in partnership with the government and private sector
- Pioneering in providing internet connection and solutions since 1997
- CVISNET envisions to support in delivering fast and efficient services to public and private sectors through ICT.
- Partner of the e-Resilience Pillar of the AP-IS Project of UN ESCAP
- Recognized and awarded by UN-ITU-MCC, ISIF-ASIA, NICT-Japan and APEC
Mother Nature Calls and Communication Network Falls

- Typhoons
- Earthquakes
- Tsunamis
- Cyclones
Disaster Time - Dark Ages for Technology

• Communication Infrastructure Damage
• Power Supply Disruption
• Computers, smartphones, tablets and ICT equipment becomes useless except for:
  - CAMERA
  - FLASHLIGHT
  - ENTERTAINMENT
Immediate ICT Connections

• Movable and Deployable ICT Resource Unit (MDRU)
  • A project of the Japanese government, academe and NTT
  • Can function as a stand alone network that provides voice and data communications to a locality using standard Wifi signal
  • ITU Recommended

• Locally Accessible Cloud System (LACS)
  • A project of Japanese government in cooperation with ATR
  • Providing data and multimedia information to an affected community using web technology
Pilot Areas and Best Practices - The Philippines

- Cebu Inter-island Connection
  - 6 Kilometer distance to mainland
  - Provides communication link to local executives and responders during disaster
- Non-disaster Period
  - Provide e-health solutions to the remote island where doctors are stationed in the mainland
  - Provide e-education solutions to the remote island where teachers are situated in the mainland
Pilot Areas and Best Practices - Nepal

- Kathmandu mountainous terrain connection
  - Provides communication link to command and control center and affected areas
- Provide e-education solutions to the remote mountainous area where teachers are situated in schools in lowland
- Provide e-health solutions to remote mountainous areas
THANK YOU!!

• www.cvis.net.ph
• www.mdru.org.ph