

UNIVERSITY OF GUAM

EDUCATE. INNOVATE. CONNECT.



GOREX: Guam Open Research & Education eXchange Updates

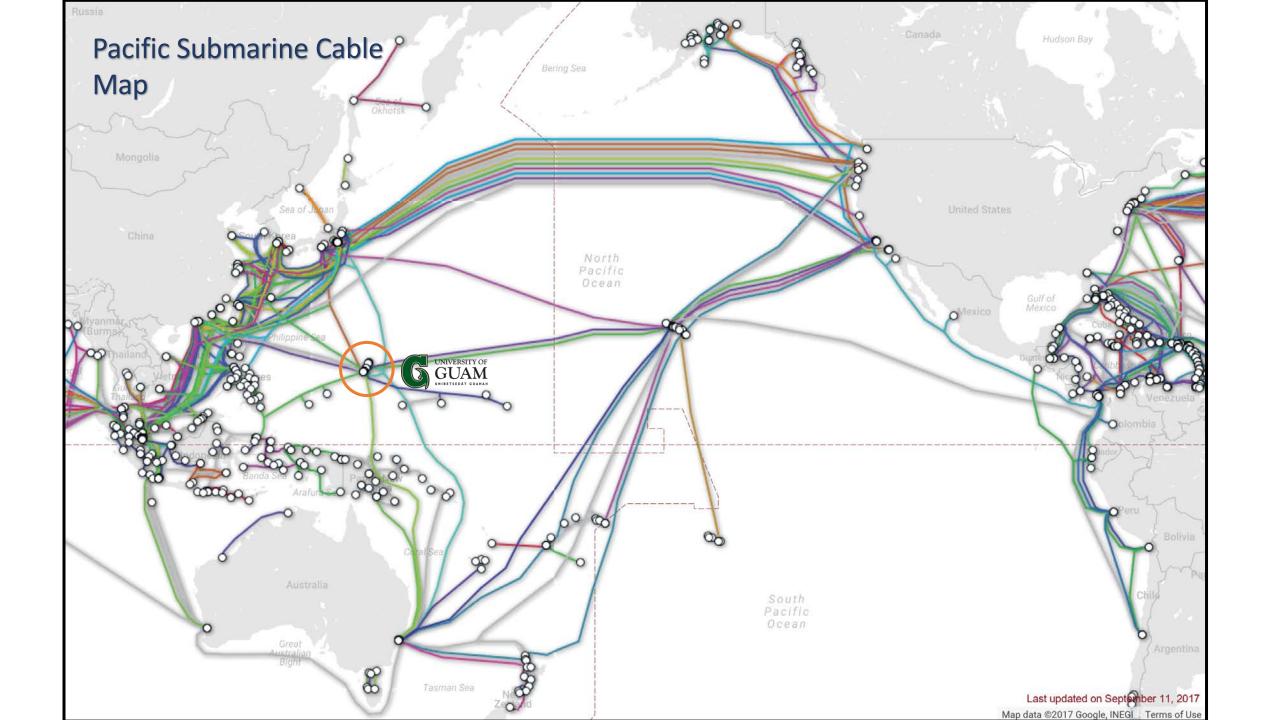
Rommel Hidalgo, Assoc. VP for IT / Innovation Officer California State University, Fullerton - Division of Information Technology Americas' Research Platform (AmRP) Working Group Updates September 17, 2019







Strategic Connectivity Waypoint

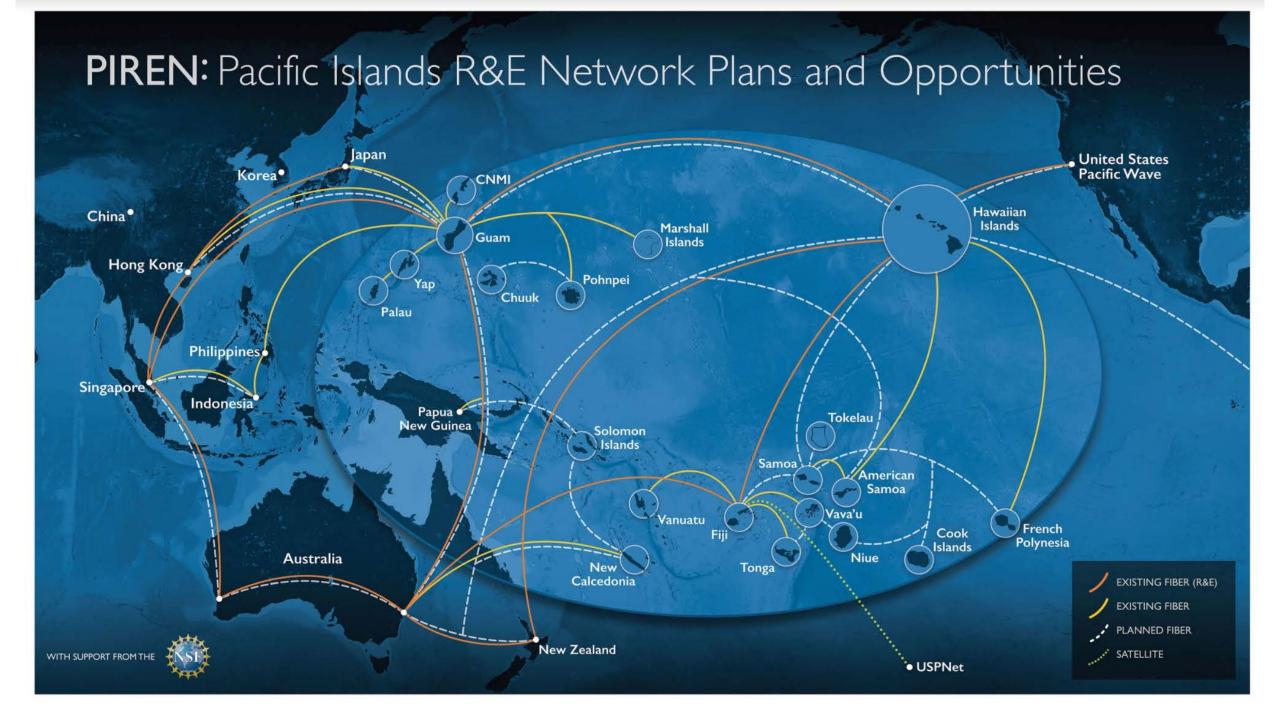


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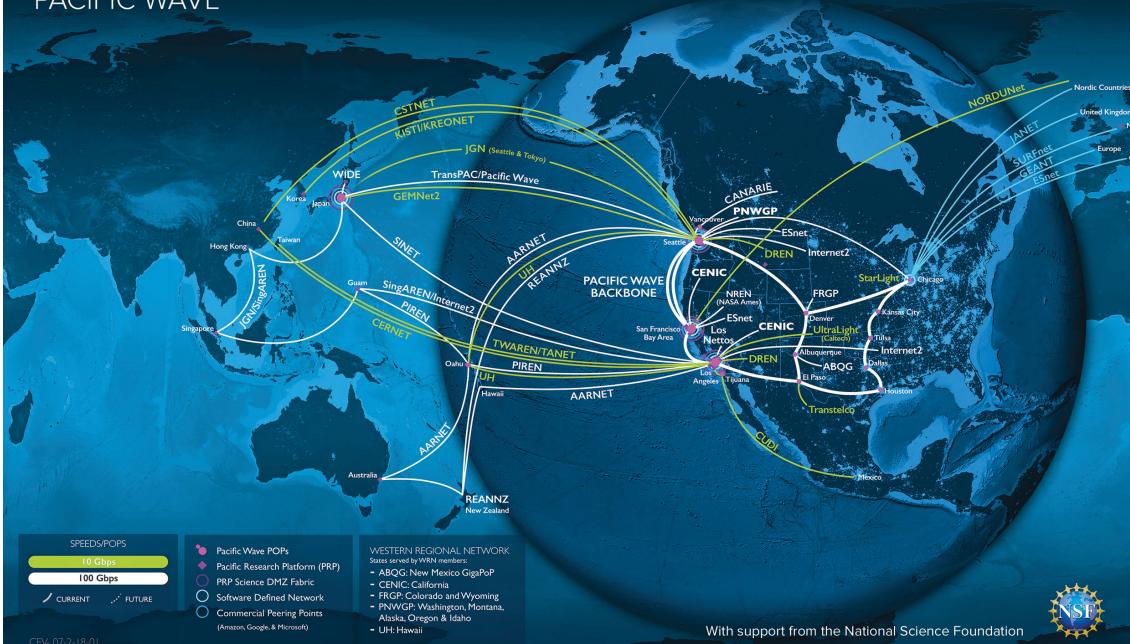


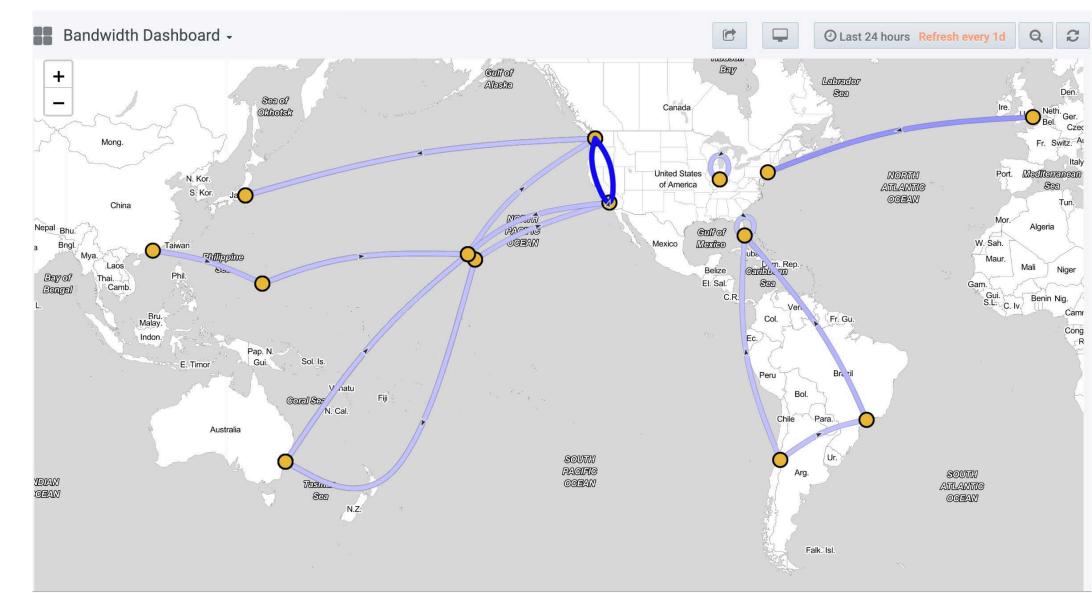




NATIONAL & INTERNATIONAL PEERING EXCHANGE

Pacific Wave is a project of CENIC & PNWGP





GOREX GOALS

Leverage strategic geographic location of Guam

Establish Open R&E Exchange

Inter-Connect existing, funded, and planned high capacity R&E trans-pacific circuits

Improve Pacific-wide transport diversity and resilience

- Support global R&E networks
- Facilitate greater access to global R&E networks by Pacific Island nations and communities

Overarching Goal:

Promote increased growth and effectiveness of data-intensive and highly collaborative research and education activities engaging the Asia-Pacific region with the global R&E community.

GOREX Status

□ **PIREN: GOREX**

- Juniper MX-480 installed at GTA Upper Tumon Co-Lo Facility in Guam (1.8.18)
- SEA-US (100-Gbps) is Connected to GOREX the first of multiple circuits.
- Hong Kong connected to GOREX via IN@IU (September 2018)
- Looking forward to implementing R&E connections from other locations.

GOREX Local Hands – Training & Professional Development

- We will continue to work with our NSF CC* Grant (OAC-1659182) leadership institutes, the NSRC and the University of Hawai'i, to continue to improve our technical capabilities to support and develop GOREX.
- We will continue to participate in Co-Training opportunities with the NSRC:

Guam continues to Engage with the Global REN Community

GOREX Live - Jan 8, 2018

- Juniper MX480
- Cisco 2911 Terminal Server
- SuperMicro PerfSonar @ 40Gbps
- BeagleBone Delay Node











GOREX Colo Location



Planned move

GTA Piti CLS

- GTA building new colo space on basketball court
- Adjacent to new Piti CLS
- GOREX will move from Tumon CO to Piti Colo 2019?
- Any circuits coming in should take this into account







For more information regarding GOREX

http://www.hawaii.edu/piren

- https://gorex.uog.edu
- Email: uognoc@uog.edu

Our Support

US National Science Foundation (NSF) Awards

 OAC-1659182 - CC * Network Design
 OIA-1457769 - EPSCoR - Guam Ecosystems Collaboratorium

Our Support – Dave Reese







