#### **Global ICT Capacity Building Symposium (CBS 2018)**

Developing Skills for the Digital Economy and Society

Mariana Is.

MICRONESIA

18-20 June 2018

Santo Domingo, Dominican Republic

Caroline Is.

Marshall Is.

POLYNESIA

Hawaii a

Bismarck Arch.

Kiribati

# Challenges and opportunities faced by LDCs, SIDS and LLDCs and implications for capacity development"

Society Is. Mangareva

Australia

Taiwan

Phillipines

Palau

New Caledonia

Tonga

Austral Is.

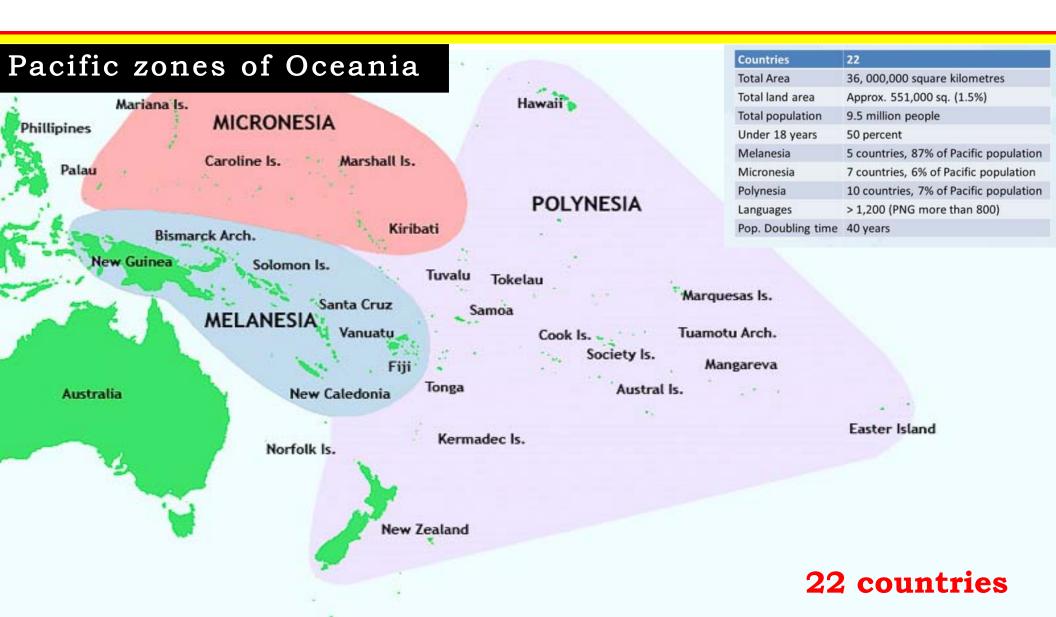
Norfolk Is.

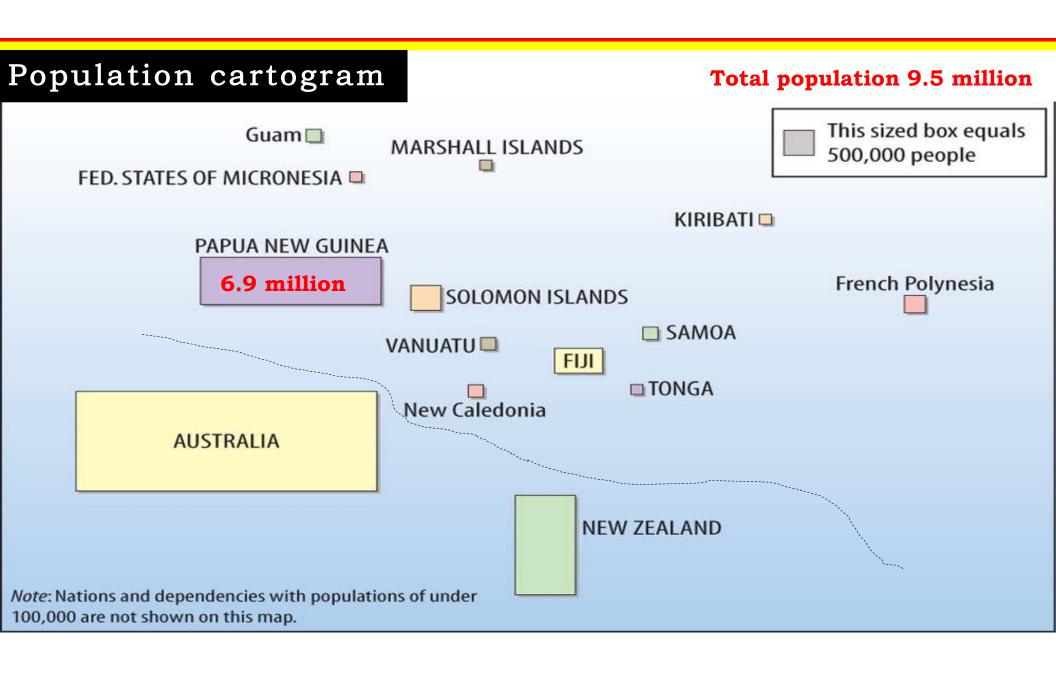
Kermadec Is.

Easter Island

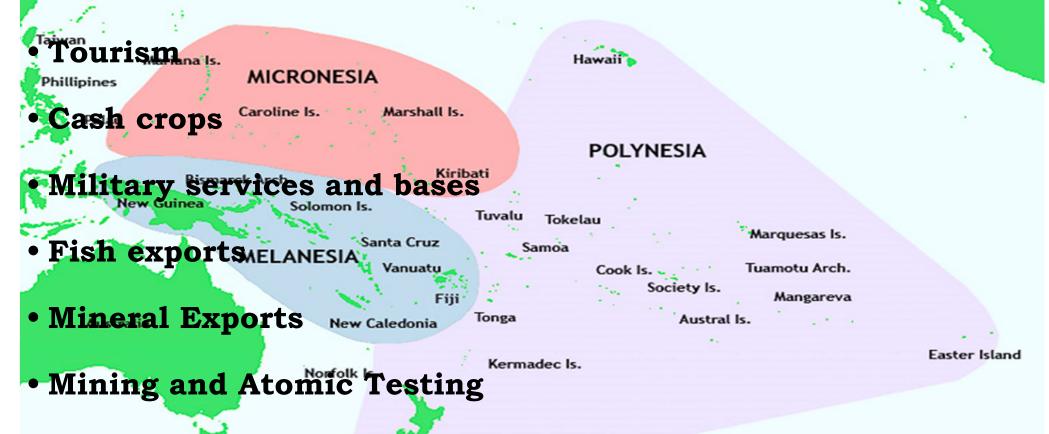
Presentation by

New 7Mr. Kila Aluvula **Manager Special Projects** National ICT Authority (NICTA) - Papua New Guinea





### Pacific Island Countries (PICs) economies

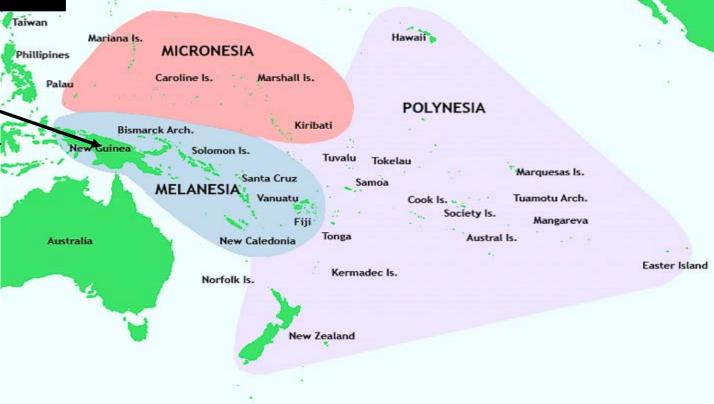


• Manufacturing (clothing) limited to Fiji and Cook Islands

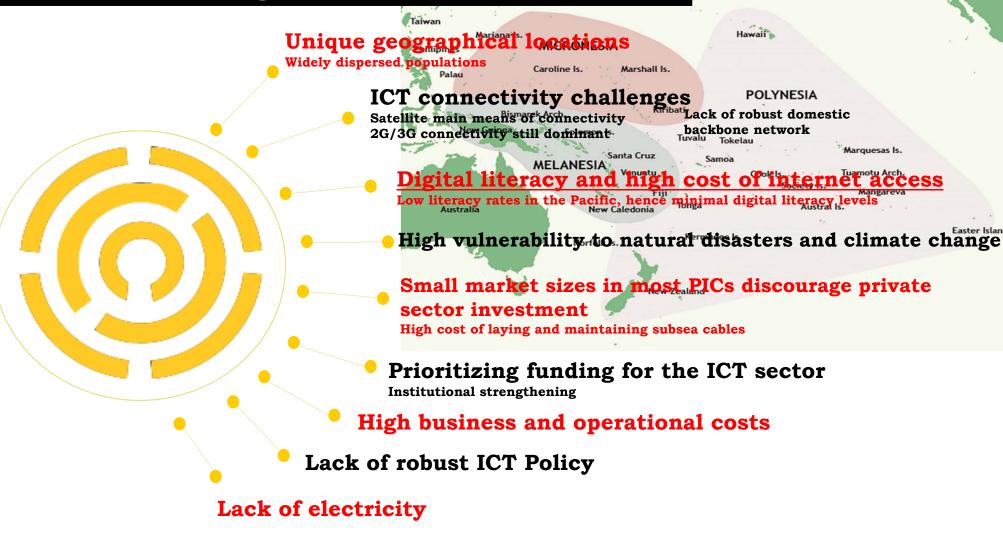
## Papua New Guinea

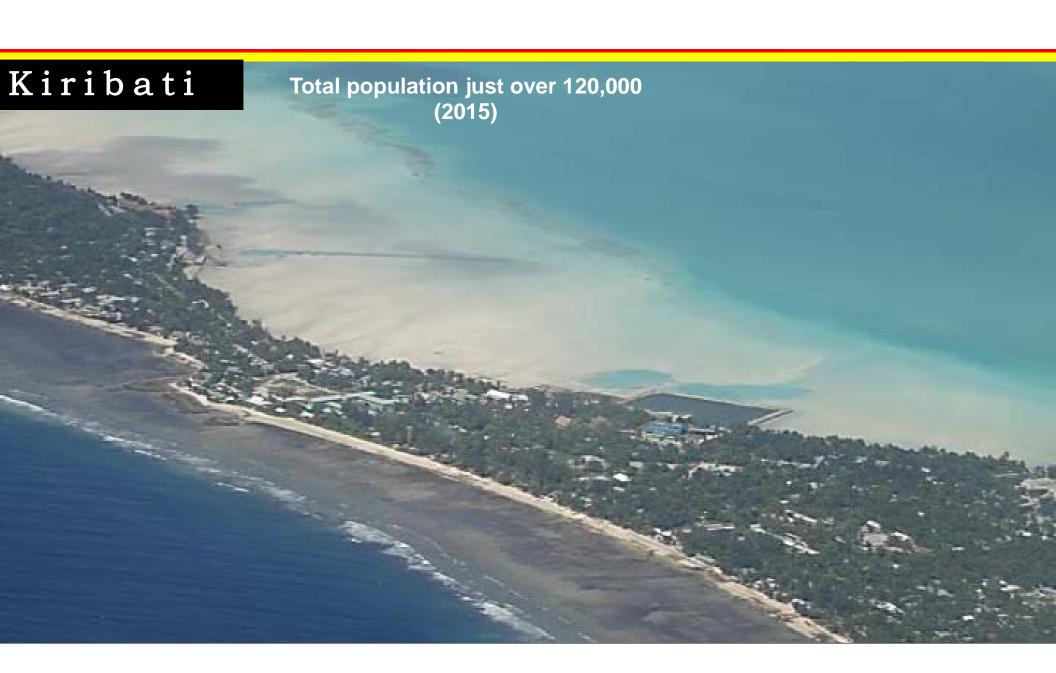


- Population est. 6.9 million
  - Most populated in the Pacific (75%)
- Port Moresby, Capital City
  - Est 500,000 population
- 2 Submarine cables
  - PPC 1
  - APNG 2
  - New (Coral Sea cable 2019)
- 3 Mobile Operators
  - Digicel
  - Bmobile Vodaphone
  - Telikom PNG
- Over 20 ISPs



### ICT Challenges in the Pacific

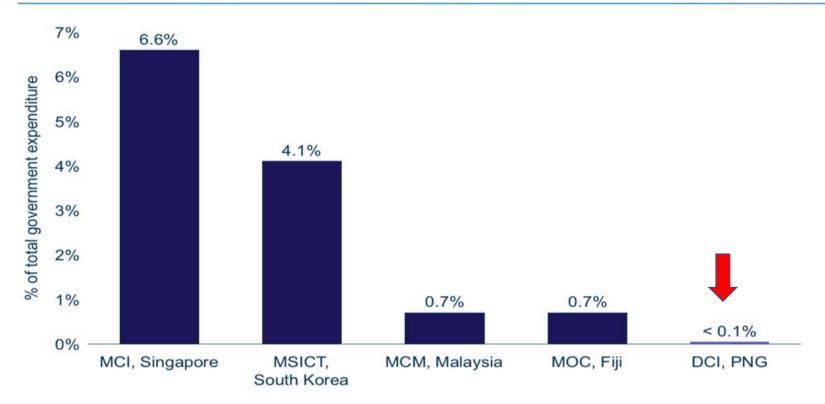




## Institutional Strengthening

### ICT policy department funding





Source: Analysys Mason, national government budgets



# Promoting ICT in the Pacific region

Bismarck Arch.

Mariana Is.

• ICTs are a key cross-cutting enabler for promoting and achieving each and every SDG.

Palau Palau Palau Polynesia

Kiribati

Has great potential to accelerate human progress

Taiwan

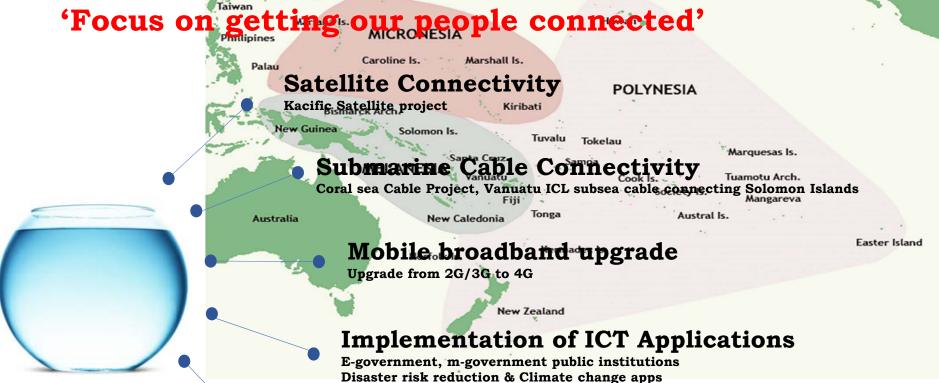
- Bridge the digital divide and to develop knowledge societies
- Rise in the mobile ecosystem (and smartphone penetration)

  contributing significantly to the economy and social wellbeing in the region

New Caledonia

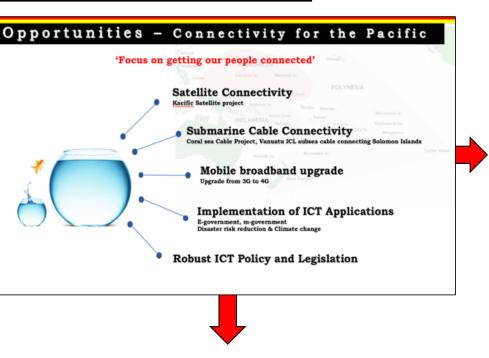
• Internet is empowering these communities and gives them an opportunity to actively participate in the global economy

### Opportunities - Connectivity for the Pacific



**Robust ICT Policy and Legislation** 

### Outcomes...



- Connectivity (Satellite and Subsea cable)
  - Rural connectivity for remote islands for digital inclusion
  - · Affordable broadband services across the Pacific
  - · High speed broadband connectivity
  - Increase the demand for bandwidth
- Mobile broadband upgrade
  - Mobile connectivity has increased exponentially across the Pacific, however mobile broadband penetration low
- Internet Exchange Point (IXP)
  - Expensive international bandwidth reduced

- Access to information and high bandwidth applications that address social, economic and health needs
- Embedding ICT skills development in education and training curricula

#### PACIFIC SATELLITE CONNECTIVITY PROJECT



Development of Satellite Communications Capacity and Emergency Communications Solutions for Pacific Island Countries



To provide Ku band capacity



Five (5) locations already earmarked in PNG
Up to 55 locations Pacific-wide

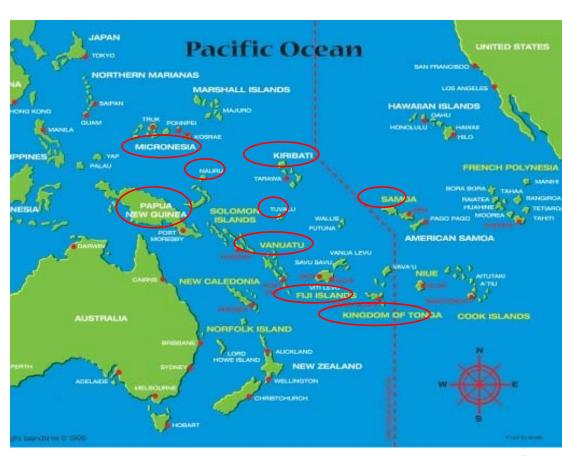
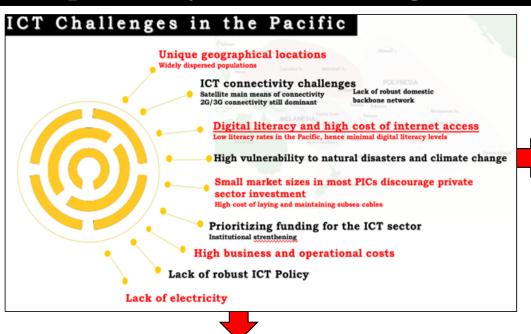


Image source: ITU



### Capacity building initiatives



- "Connect the Schools Project"
  - Deliver broadband internet to primary, secondary and tertiary institutions
  - Establish public WiFi access for surrounding communities
  - Collaboration with ICT and Education ministries
  - Computers for schools
- "Improve access to mobile broadband"
  - Mobile broadband in under served areas
  - Increase uptake of mobile internet

- Education and Training
  - University of South Pacific remains lead university in the use of ICTs, both through USPNet and use of ICTs in DFL and in transformation of teaching and learning though ICTs
- Many regional players take an active role in capacity development, mainly in the form of workshops, e.g. ITU, PITA, APNIC, ICAAN, ISOC etc. and most regional universities have IT courses at the graduate and postgraduate level

Taiwan Hawaii a Mariana Is. MICRONESIA Phillipines Caroline Is. Marshall Is. Palau THANK YOU Bismarck Arch. New Guinea Solomon Is. Tokelau Marquesas Is. Vanuatu Tuamotu Arch. Cook Is. Mangareva Tonga Austral Is. New Caledonia Australia Mr. Kila Aluvula Easter Island Norfolk Is. **Manager Special Projects** National ICT Authority (NICTA) - Papua New Guinea Email: kaluvula@nicta.gov.pg Web: www.nicta.gov.pg