



# PACIFIC ISLANDS TELECOMMUNICATIONS ASSOCIATION

ICT / Disaster Risk  
Reduction



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# The Pacific





# Background Disasters

- Pacific Islands susceptible to natural disasters
  - Cyclones, floods, earthquake, tsunami, landslides
- Increasing exposure to cyber threats as ICT supply increases
- ICT can be an effective tool for DRR
- Also requires the ordinary person on the street to also accept relevance / prepare / take heed
  - Warning System / Tonga subsea earthquake / Samoa
- Therefore challenges for implementing holistic integrated DRR systems
- Usually no separate / public ICT infrastructure for DRR



# ICT Development

- Focus on competition
  - Driving penetration, especially in mobile
  - Prices somewhat decrease, affordability concerns remain
  - Limited access to broadband
- Similar situation for Internet / Broadband
  - ADSL and wireless access
  - Other supporting infrastructure
  - End user devices
- Some cable but still satellite dependent for transmission – high costs
- Increasing ICT development also brings new cyber threats

# Key Private Sector Challenges



Business models are changing

- Traditional revenues shrinking
- Hard to compete against OTT
- Regulatory philosophy
  - Consumer Protection
  - Price regulation / Rate of return
- Scale / Scope are becoming more important, especially for application development
- But is regulation stifling innovation?
- Private sector (traditional businesses) barely afloat



# Resulting Challenges

- Private sector has more pressing issues
- Public sector is under-resourced
- Decisions to be made on cooperation / PPP
- Disaster planning, DRR and DR are usually not considered until an event occurs
- Low priority given to DRR
- Opportunity to leverage ICT for DRR

预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_7994](https://www.yunbaogao.cn/report/index/report?reportId=5_7994)

