Increasing investment in Internet development in the Asia Pacific
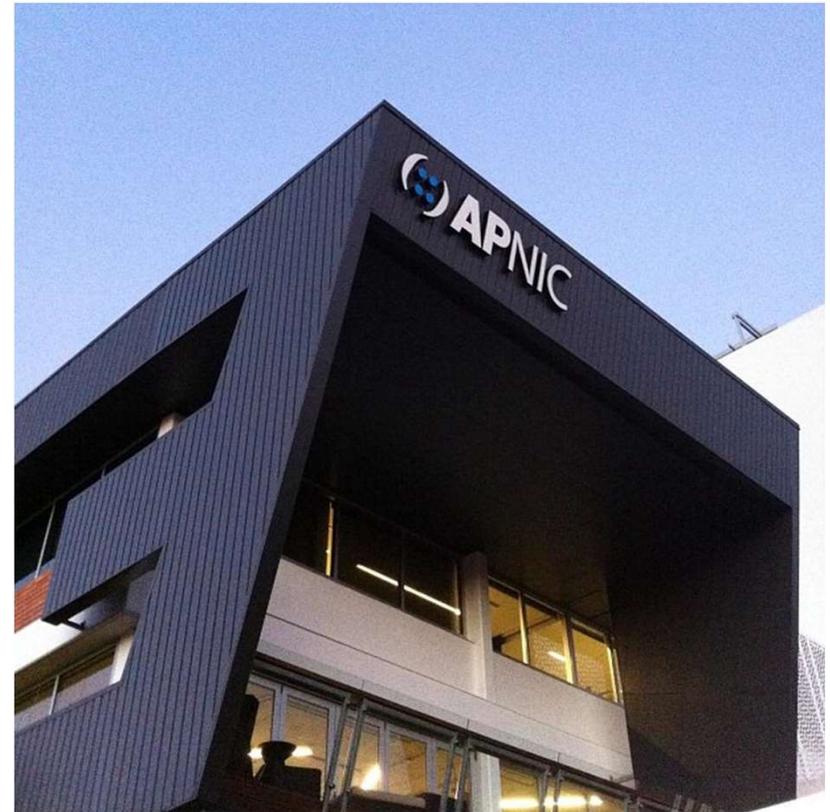
Duncan Macintosh

CEO

APNIC Foundation

Regional Review of the World Summit on the
Information Society (WSIS) Implementation in Asia
Pacific. Digital Transformation for achieving the
Sustainable Development Goals (SDGs)
Bangkok, Thailand
28 August 2019

APNIC
FOUNDATION

Who is APNIC?

- One of five regional Internet address registries globally

- Managing Internet number resources
  - IPv4, IPv6 and ASNs

- Supports training, education and internet development

- A neutral, independent, not-for-profit, membership-based organization (1993)

Who is the APNIC Foundation?

VISION

To have a global, open, stable and secure Internet that is affordable and accessible to the entire Asia Pacific community.

MISSION

To increase investment in Internet development in the Asia Pacific region, through education and training, human capacity building, community development, research, and related projects and activities.
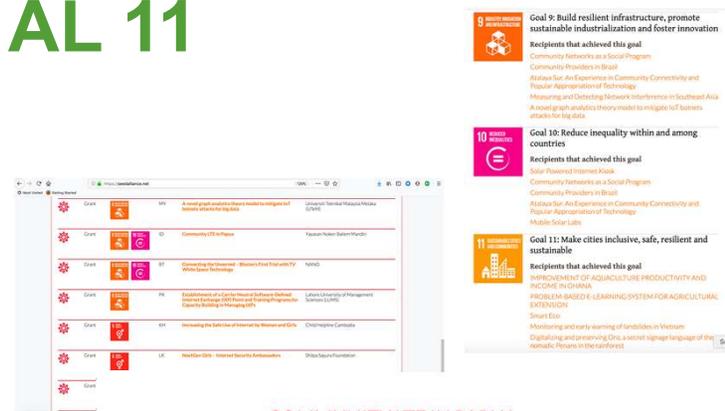
ISIF Asia

Grants and awards program empowering communities in the Asia Pacific region to **research, design and implement Internet-based solutions** for their own needs, placing particular emphasis on the positive role the Internet has in social and economic development in the region.

- Established in **2008**, is now a program of the APNIC Foundation

- **97 innovative initiatives supported** by July 2019: 69 grants and 28 awards

- **USD 3.2 million allocated** through a funding partnership with APNIC, IDRC, Sida, The Dot Asia Organization, ICANNN and APIA.

- **24 economies** supported

- **WSIS Champion 2018 & 2019, Action line 11** International and regional cooperation

- **2019 winners will be announced today** on two funding categories: Powering Internet infrastructure & Network Operations Research

Funding partnerships – WSIS AL 11

- Under the **WSIS Action line 11 - International and regional cooperation**, ISIF Asia has championed the establishment of alliances and funding partnerships, as international mechanisms where different stakeholders can finance ICT networks and services and support infrastructure development in order to:

- Offer neutral platform for donors/funders to collaborate

- Multi-stakeholder approach to funding

- Support technical innovation and research from Asia Pacific, high standards of reporting and documentation

- Raise awareness about how funding partnerships are a key element to achieve scale

COMMUNITY LTE IN PAPUA

GRANT
2018

Indonesia

View the report

Visit organization's site

Yayasan Noken Baliem Mandiri

This project sought to deploy one of the first locally-owned and operated handset supporting LTE networks in the world to rural Papua, Indonesia using low-cost eNodeBs and a custom developed enhanced packet core allowing for local operation and customization.

The Project's central focus was enabling Internet access in remote rural areas by designing and implementing a decentralized LTE network. A decentralized network enables new services and business models, such as Community Cellular (locally owned telecoms) that better serve remote rural areas. The Project's earlier work included one of the first decentralized 2G community cellular networks (providing just voice and SMS) deployed in Papua, Indonesia. A key finding from these early experimental network is that this model of cellular access is sustainable even in the most remote of rural areas, with each of the community cellular networks providing enough revenue for their ongoing operations. This decentralized model also allows for innovative use of edge computing, such as caching or local maintenance support.

Thanks!