Data Governance and Management: A digital infrastructure and inclusion perspective ADB & PRIF Data X Blue Pacific

LONG STREET A D V I S O R S

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In the last 50 years, mass connectivity has revolutionized growth and facilitated widespread use and adoption... however the journey is not over





Nations are passing from a pre-digital era to digitisation: we refer to these as Taxi, Runway and Take Off stages

Technological features of pre-digital to digitised eras of connectivity



Source: Long Street Advisors Taxi, Runway, Take-Off framework

Most developing nations are still on the taxiway or runway for digitisation; inclusion policy must target those left behind



Example countries

Source: IMF, Long Street Advisors analysis

Connectivity investment across the Pacific increases as population density drops, but not sufficiently enough for inclusion



Note: CapEx intensity index calculated as CapEx per capita * population density. Data based on 2010-2023.

Source: GSMA Intelligence, Long Street Advisors analysis INTERNAL. This information is accessible to ADB Management and Staff. It may be shared outside ADB with appropriate permission.

Some Pacific citizens might face a "triple whammy" of low population density, low network investment per head and poor income distribution



Note: Data based on 2010-23; Gini coefficient for nations is measured in multiple years but is assumed to be relatively stable over time

Source: GSMA Intelligence, World Bank, Long Street Advis on the permission is accessible to ADB Management and Staff. It may be shared outside ADB with appropriate permission.

Globally, there is work to do democratise data access and empower individuals with equal opportunity

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Individuals using the internet, world 1990-2023, % share of world population



To service future data demand and build modern networks, significant investment is required

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Asia Pacific digital infrastructure gaps USD, next decade



Past: Basic Internet Connectivity



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Looking forward, AI will create new data complexity, as well as unprecedented pressure on energy systems



The fragmented nature of digital infrastructure poses data governance, regulation and standards challenges

Pacific Islands are especially exposed to data governance risks due to reliance on submarine cables and satellite connectivity

GEO and LEO satellite connected maritime vessels

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Digital infrastructure lies at the heart of digitisation and data transmission and is necessary (but not sufficient) \ge

Thank You

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