

FINANCING WATER SECURITY IN ASIA AND THE PACIFIC

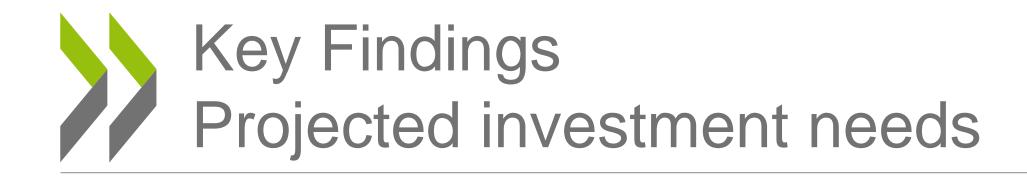
APWF – 22 December 2020 Xavier Leflaive, OECD Environment Directorate xavier.leflaive@oecd.org





Financing water security in Asia and the Pacific

- Measure
 - Financing flows
 - Financing needs
 - Financing capacities
- SDGs as the sole convergent ambition on water management in the region
- Lack of harmonised data
- >An opportunity, at sub-regional level



WSS

- Most countries will need to allocate between 1 and 2% of GDP to invest in WSS over the period 2015-2030
- Outliers: Afghanistan, Nepal, Pakistan, Timor Leste

Flood protection

- Proxy: exposure to flood risks
- Afghanistan, Bangladesh, Cambodia, Kyrgyz Republic, Tajikistan and Viet Nam all have flood risks exceeding 6% of GDP in 2030

Irrigation

- Need to expand and to enhance efficiency
- Driven by a growing population, dietary preferences change, the effects of climate change



Comparative expenditure gap of water supply and sanitation infrastructure required by 2030 to achieve SDGs



Countries Can Afford the

Cambodia Viet Nam 350 Myanmar Totex (2015-2030) per Capita (2015 population) (USD) Thailand Azerbaijan Kyrqyz Republic Marshall Islands Malaysia Bangladesh 🐸 Georgia Samoa Micronesia India Tonga Palau Sri Lanka Uzbekistan Vanuatu Solomon Islands Turkmenistan. Mongolia Indonesia 150 Kazakhstan Maldives 100 0.40% 0.60% 0.80% 1.00% 1.20% 1.40% Totex as a % of GDP



Potential sources of funding and financing for waterrelated investments

Water security

Sources of Funding

Development/ benevolent (grants, philanthropies)

Public budgets

Beneficiaries
(tariffs, PES, value
capture, public
goods charges, selffinanced)

Repayable Finance

Concessional finance

Commercial finance

Source: Adapted from OECD (2010) Innovative Financing Mechanisms for the Water Sector. https://doi.org/10.1787/9789264083660-en

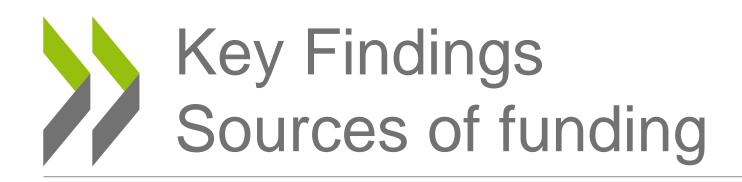
Water supply and sanitation

Sources of Funding

Transfers

Taxes

Tariffs



Taxes

• Public taxes are the main source of finance for water-related infrastructure

ODA

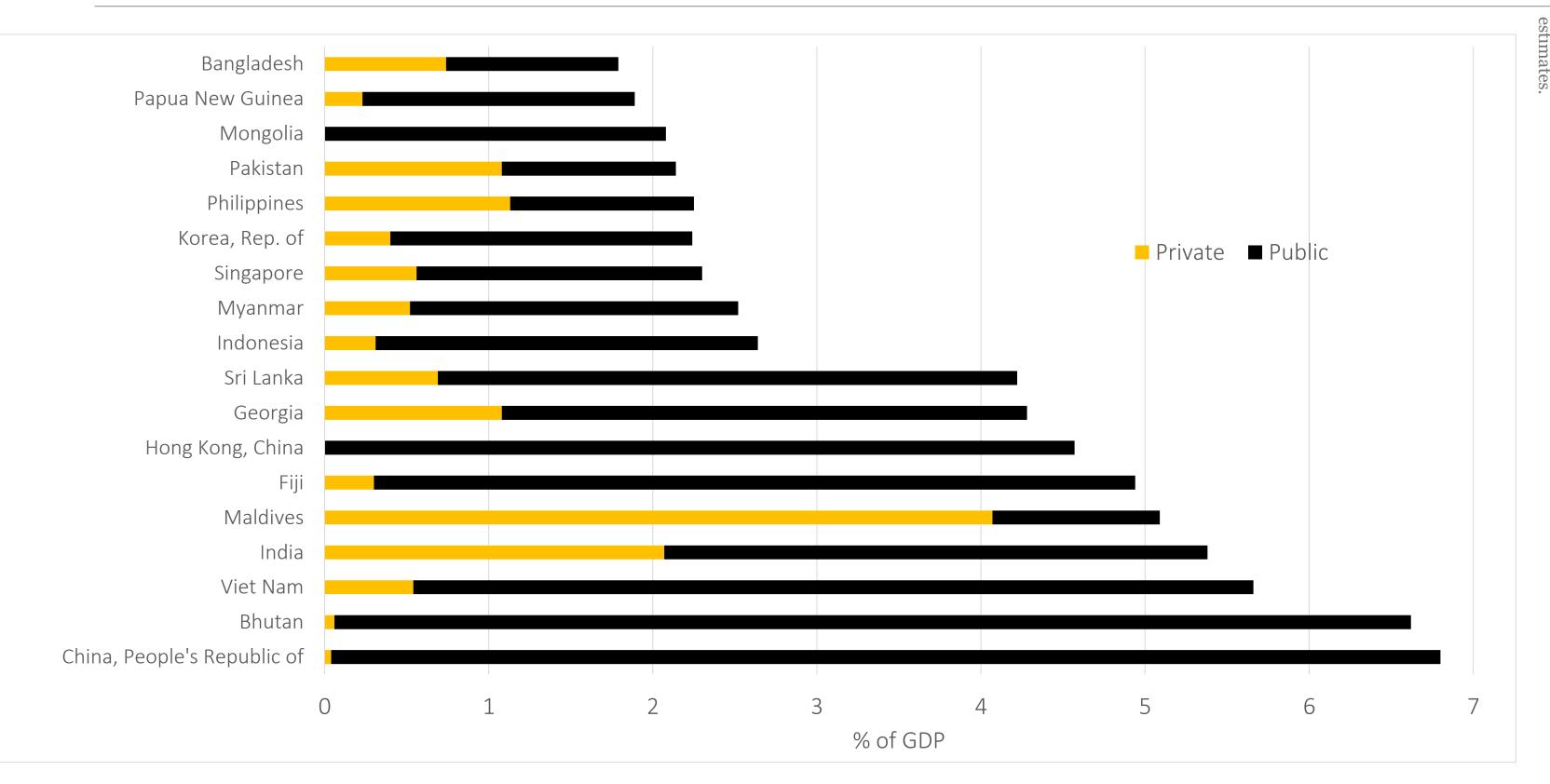
- Official Development Assistance remains a comparatively small share of finance in water infrastructure
- Need to leverage
- It may not be targeting those countries who need it most

Tariffs

- Water supply and sanitation tariffs are under-utilized
- Affordability acts as a barrier in selected countries



Public and private expenditure for water supply and sanitation, select economies, select years (% of GDP)



Note: Actual budget expenditure except Armenia, Bl which are planned or estimated budget expenditure Kong (China); 2011 for Armenia, Bangladesh and Georgia; Indonesia; 2010–2014 average for the PRC Philippines, nes, Sri L Fiji, and Malaysia; 2010, 2011, and 2014 average Bhutan, Periods covered are 2010 , Georgia, and -2012 average for Nepal; 2012 World Development Indicators, ADB Maldives, Myanm 2013

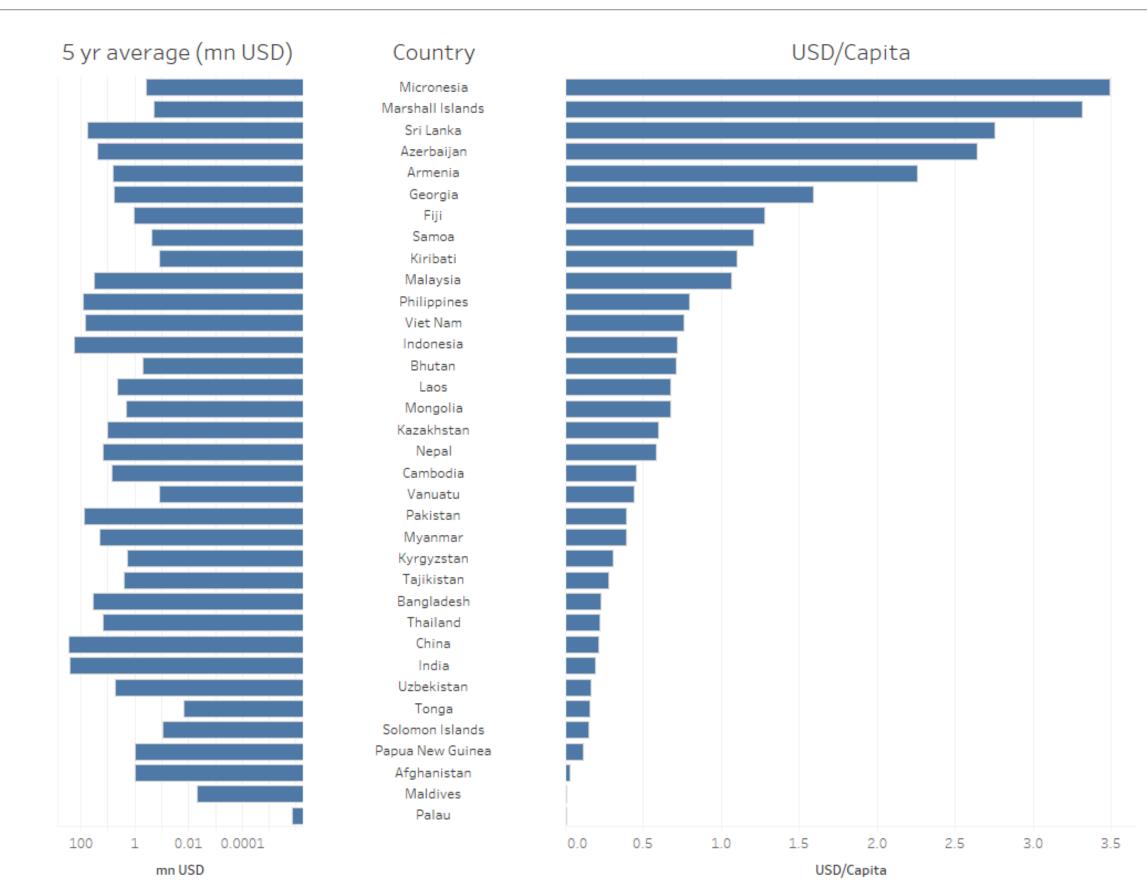


Annual ODA for water-related infrastructure in Asia-Pacific countries - Average 2013-2017. Million of USD

irrigation. Data are in millions of USD, gross disbursements, constant 2017 infrastructure: Notes: Includes ODA disbursements for the water supply and sanitation, water storage, following water-related flood protection.

Nauru, Timor Leste, Turkmenistan,

and



OECD (2019), OECD **Creditor Reporting System**



Policy Recommendations It is not just about more money

Make the best use of available assets and financial resources

- Enhance the operational efficiency of service providers
- A role for independent economic regulation

Avoid building future liabilities

- Build resilience into water management
- Manage water demand and strengthen water resources allocation
- Develop cost-effective flood risk mitigation strategies
- Encourage policy coherence across water and other policy domains

Improve tools to plan and decide on investments and financing mechanisms

- Develop climate-resilient plans to future-proof the water sector
- Support plans with realistic financing strategies
- Exploit innovation in line with adaptive capacities

Harness additional sources of finance

- Ensure tariffs for water services reflect the costs of service provision
- Consider new sources of finance from polluters and beneficiaries
- Leverage development finance and public funds to crowd-in commercial finance