

Financing Mechanism for Green Investments

Rotterdam

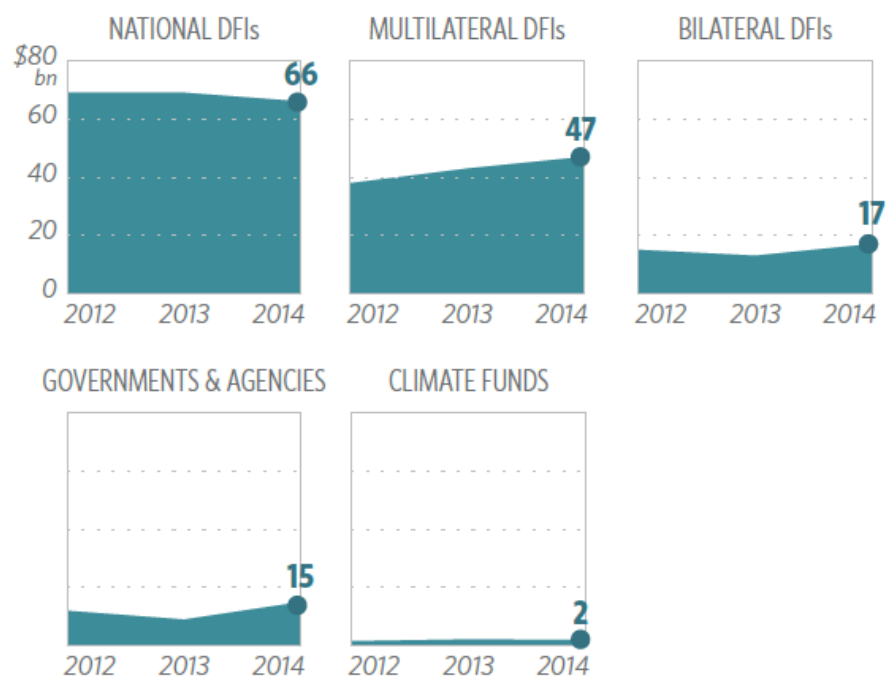
Adaptation Futures Conference

11 May 2016

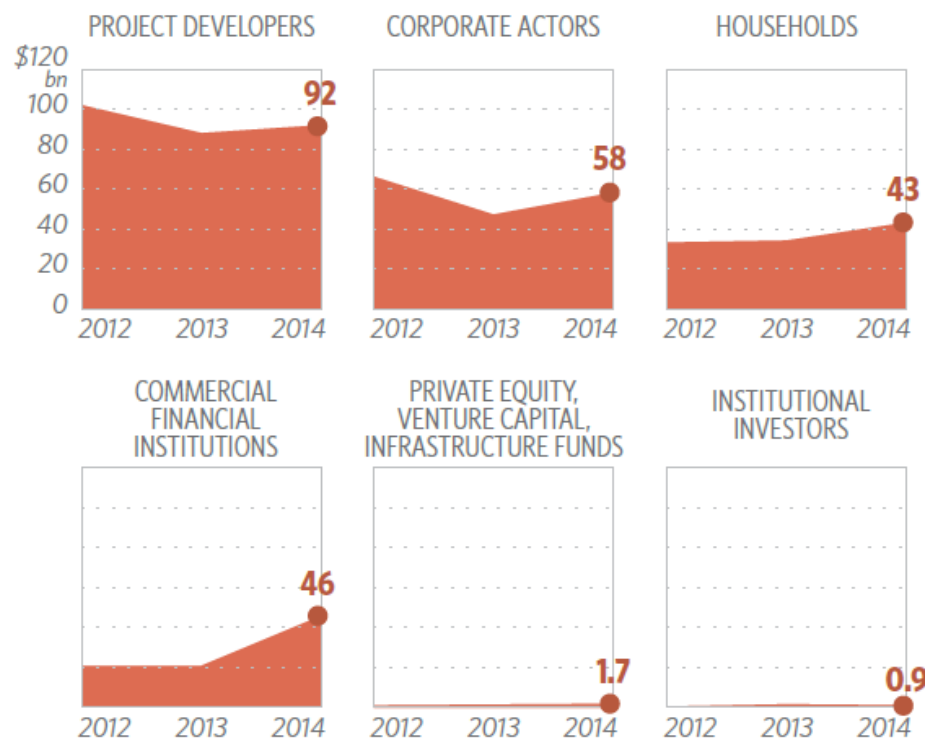


1. Public and Private Actors

**Total Public Finance by Actor
2012-14 in \$billion**

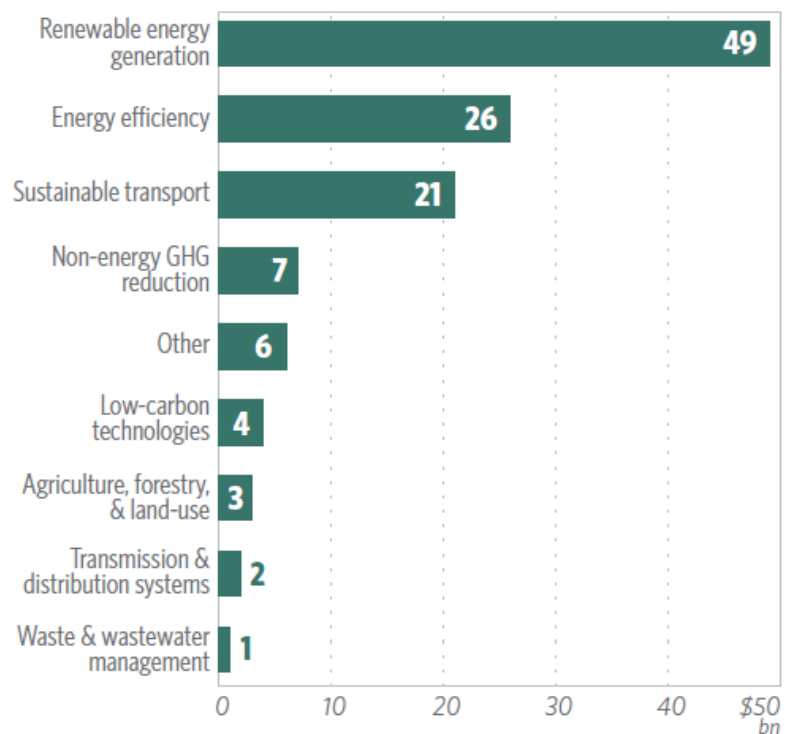


**Total Private Investment by Actor
2012-14 in \$billion**

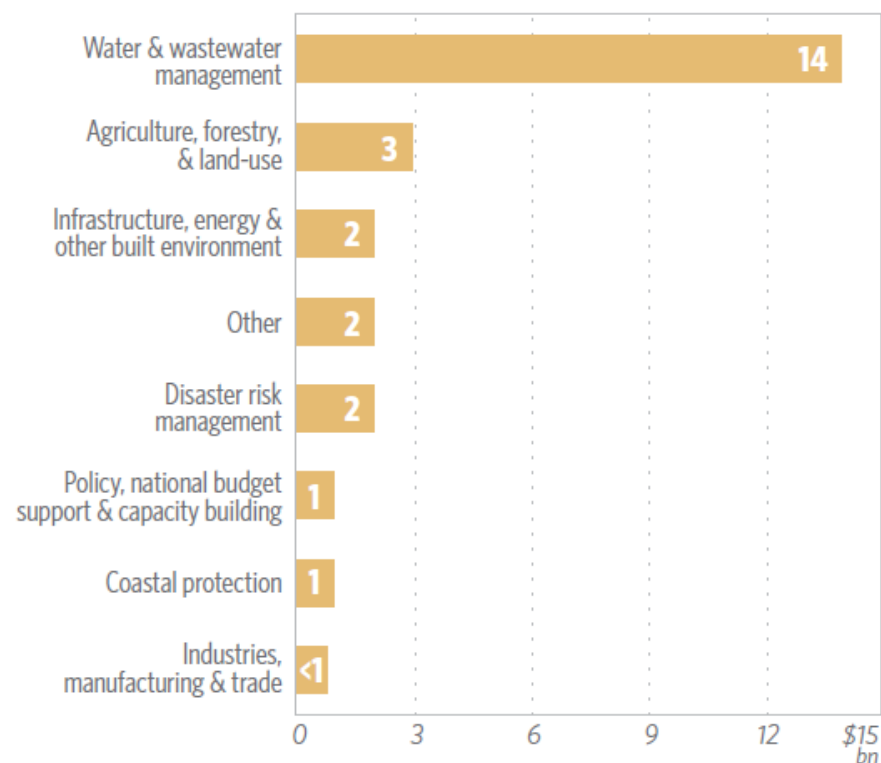


2. Mitigation and Adaptation Finance

Total Public Mitigation Finance by Sector (2014)
in \$billion



Total Public Adaptation Finance by Sector (2014)
in \$billion



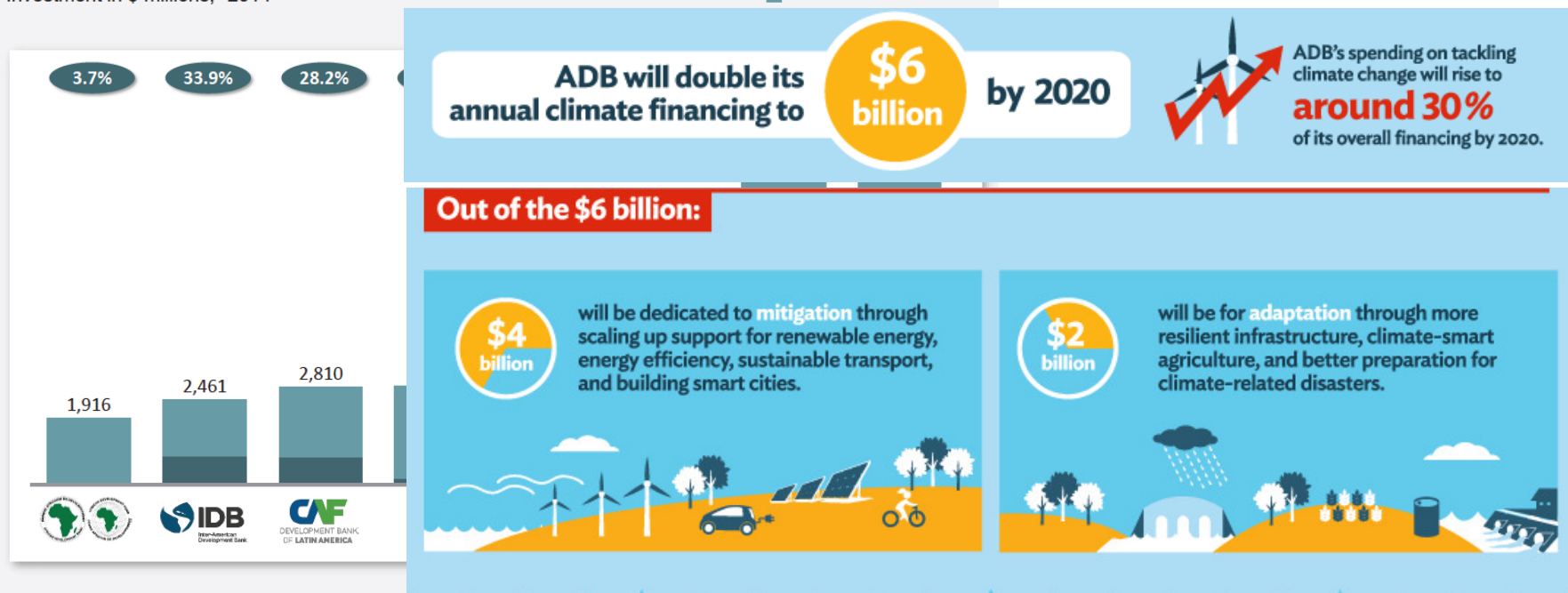
Source: 2015. Global Landscape of Climate Finance. Climate Policy Initiative.

3. MDB climate finance in urban

Exhibit 3: Share of climate finance directed to urban projects

Investment in \$ millions,¹ 2014

Urban climate finance as % of total climate finance
 Non-urban or mixed climate finance

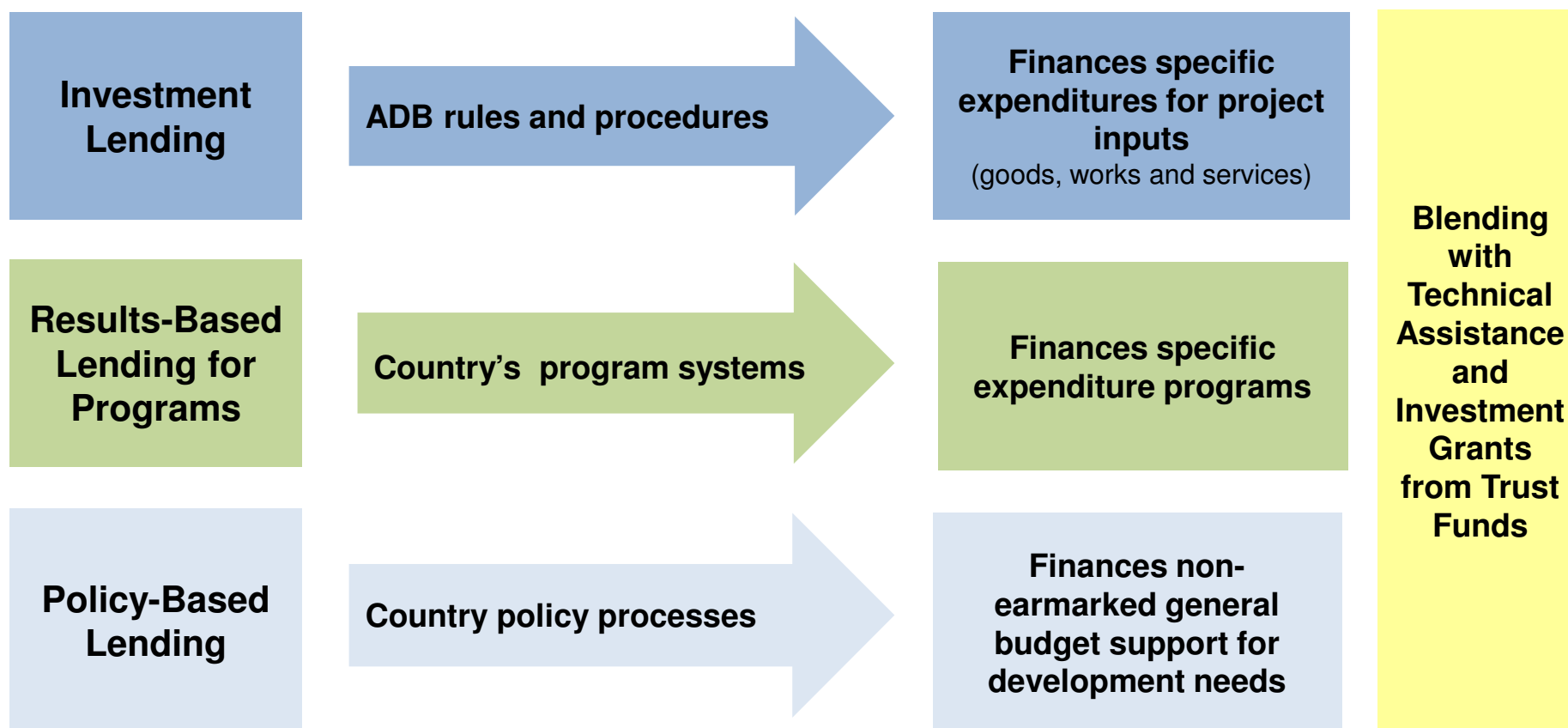


¹ Other currency amounts converted to US dollars using average annual exchange rates for 2014.
² ADB and WB include as "urban" only projects taking place within the geographic boundaries of urban areas.



Source: 2015. The State of City Climate Finance. Cities Climate Finance Leadership Alliance.

4. Public Finance Lending Modalities



5. Water Supply and Quality Regulation

Water management issue (Primary service to be provided)		Green Infrastructure solution	Location				Corresponding Grey Infrastructure solution (at the primary service level)
			Watershed	Floodplain	Urban	Coastal	
Water quality regulation	Water purification	Re/afforestation and forest conservation					Water treatment plant
		Riparian buffers					
		Reconnecting rivers to floodplains					
		Wetlands restoration/conservation					
		Constructing wetlands					
		Green spaces (bioretention and infiltration)					
	Erosion control	Re/afforestation and forest conservation					Reinforcement of slopes
		Riparian buffers					
		Reconnecting rivers to floodplains					
	Biological control	Re/afforestation and forest conservation					Water treatment plant
		Riparian buffers					
		Reconnecting rivers to floodplains					
		Wetlands restoration/conservation					
	Water temperature control	Constructing wetlands					Dams
		Re/afforestation and forest conservation					
		Riparian buffers					
		Reconnecting rivers to floodplains					
		Wetlands restoration/conservation					
Green spaces (shading of water ways)							



Source: 2014. Green Infrastructure: Guide for Water Management.
UNEP-DHI, IUCN, WRI and TNC.

6. Moderation of extreme events

Water management issue (Primary service to be provided)	Green Infrastructure solution	Location				Corresponding Grey Infrastructure solution (at the primary service level)	
		Watershed	Floodplain	Urban	Coastal		
Moderation of extreme events (floods)	Riverine flood control	Re/afforestation and forest conservation					Dams and levees
		Riparian buffers					
		Reconnecting rivers to floodplains					
		Wetlands restoration/conservation					
		Constructing wetlands					
	Urban stormwater runoff	Establishing flood bypasses					Urban stormwater infrastructure
		Green roofs					
		Green spaces (bioretention and infiltration)					
		Water harvesting*					
	Coastal flood (storm) control	Permeable pavements*					Sea walls
		Protecting/restoring mangroves, coastal marshes and dunes					
Protecting/restoring reefs (coral/oyster)							

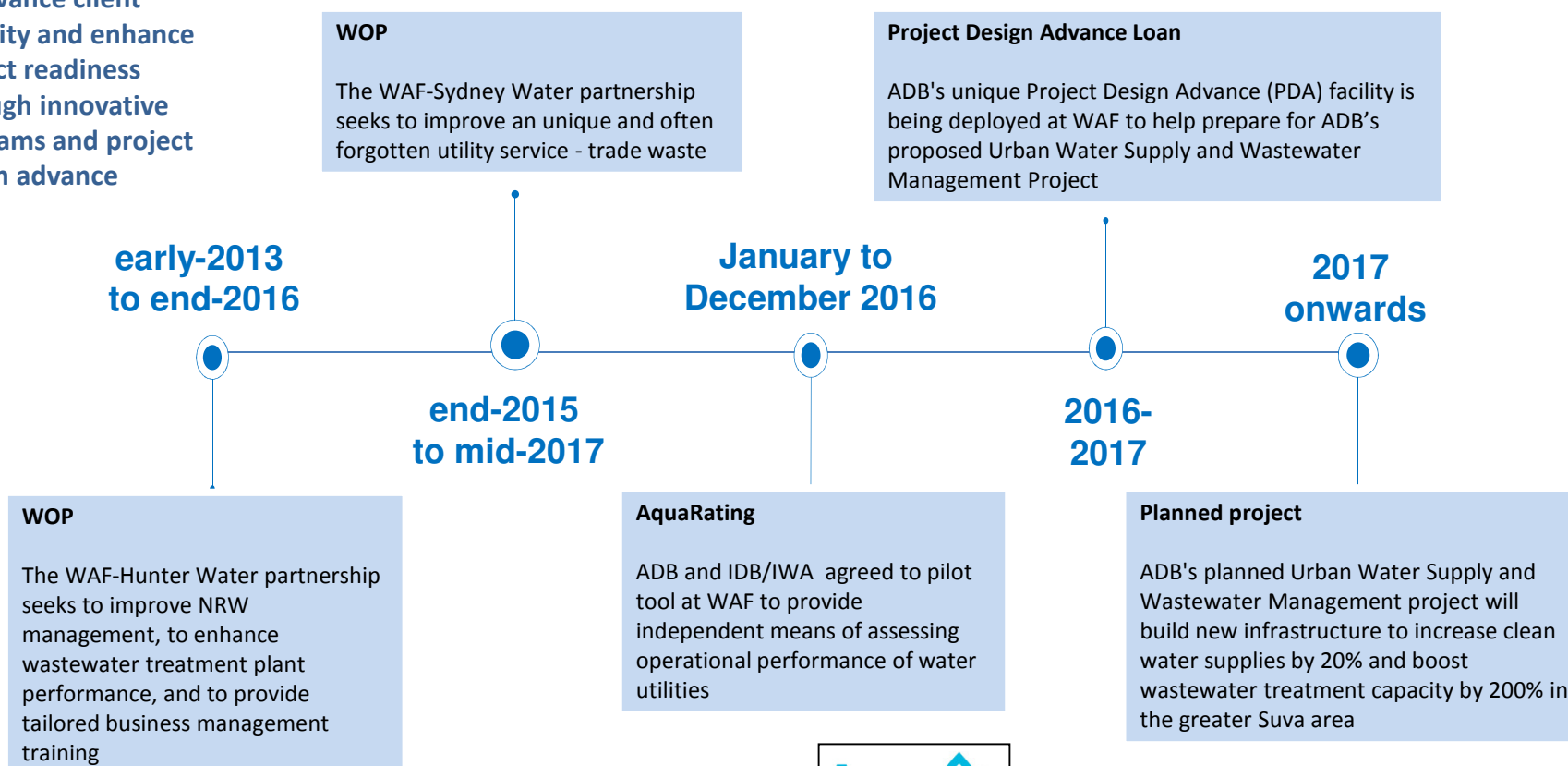


Source: 2014. Green Infrastructure: Guide for Water Management.
UNEP-DHI, IUCN, WRI and TNC.

7. Projects Highlights – Fiji

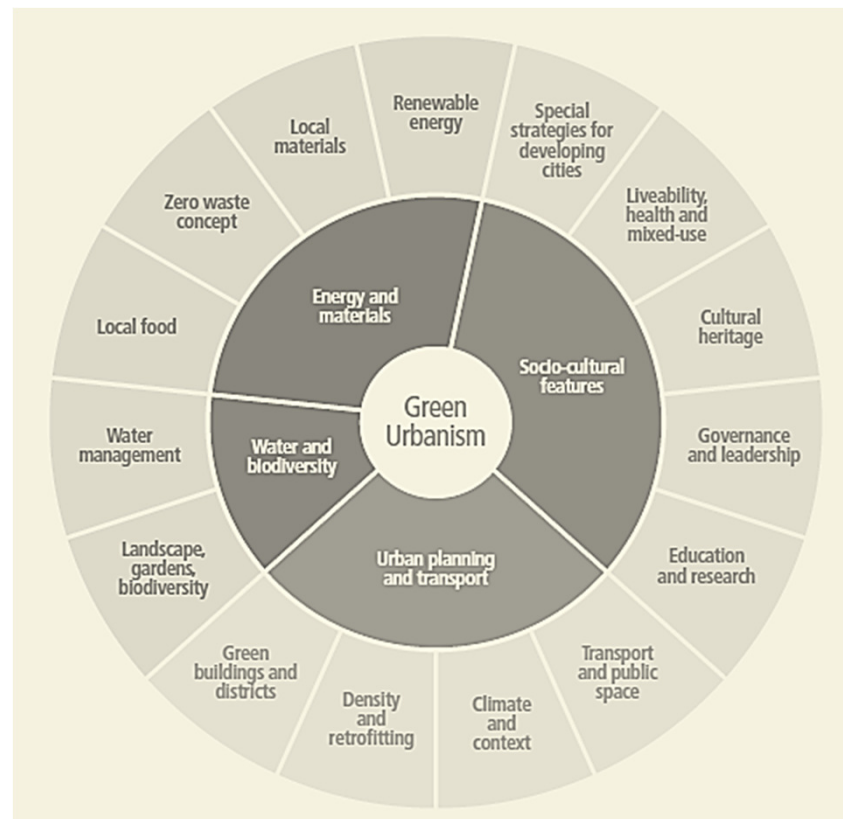
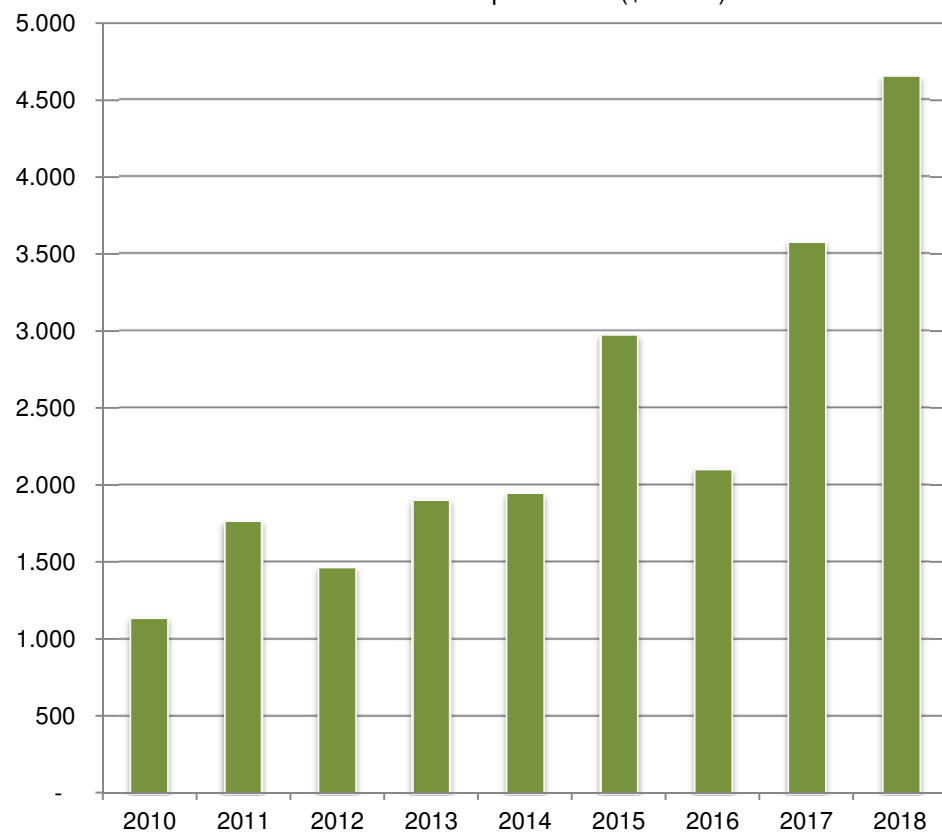
Progressive and unique step-by-step support to Water Authority Fiji (WAF):

- To advance client capacity and enhance project readiness
- Through innovative programs and project design advance



8. Smart Investments

Urban Sector Group Portfolio (\$million)



Source: 2015. The State of Asian and Pacific Cities. UNHABITAT and UNESCAP.



Thank You

Urban Sector Group

Asian Development Bank

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