



Board of Directors

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## Country Operations Business Plan: Maldives, 2019–2021

Attached for information is a paper on the above subject.

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# Country Operations Business Plan

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June 2018

Maldives  
2019–2021

This document is being disclosed to the public in accordance with ADB's Public Communications Policy 2011.

Asian Development Bank

## CURRENCY EQUIVALENTS

(as of 2 May 2018)

Currency unit	–	rufiyaa (Rf)
Rf1.00	=	\$0.0642892502
\$1.00	=	Rf15.5547

## ABBREVIATIONS

ADB	–	Asian Development Bank
ADF	–	Asian Development Fund
CPS	–	country partnership strategy
TA	–	technical assistance

## NOTE

In this report, “\$” refers to United States dollars.

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## I. CONSISTENCY OF BUSINESS PLAN WITH COUNTRY PARTNERSHIP STRATEGY

1. The growth of real gross domestic product in Maldives increased from 6.2% in 2016 to an estimated 6.5% in 2017.<sup>1</sup> Construction and tourism heavily contributed to this growth. Tourist arrivals increased to 8.0% in 2017 year-on-year from 4.2% in 2016 owing to the opening of several resorts, the government's intensive marketing campaign, the improving economy of Maldives' major tourism source market (i.e., Europe), and the start of operations of some of the major airlines from Europe and Asia serving Maldives. Robust construction activities continued from 2014, led by projects from the private sector, particularly in real estate. Gross domestic product growth is projected to improve to 6.7% in 2018 and further to 6.8% in 2019.

2. In April 2016, the government requested the Asian Development Bank (ADB) to shift the focus of its assistance to developing the Greater Malé Region.<sup>2</sup> In response to this, ADB in consultation with the government, carried out an analytical study of the region and formulated a development strategy in 2017. Based on the strategy, the government and ADB will prepare the Greater Malé Region master plan using an integrated and multidisciplinary approach. The master plan will help identify sector development projects that would generate economic activities and create jobs for the Greater Malé Region.

3. Following the presidential election in Maldives, which will take place in September 2018, the government will formulate the new national development strategy. ADB will prepare the new country partnership strategy (CPS) for Maldives based on the national development strategy and the Greater Malé Region master plan.

4. The country operations business plan, 2019–2021 for Maldives and the indicative pipeline of priority projects were prepared based on consultations with various government agencies. The country assistance results areas (Appendix 1) are in line with the CPS, 2007–2011.<sup>3</sup> This country operations business plan extends the validity of the CPS, 2007–2011 until the new CPS is in place.

## II. INDICATIVE RESOURCE PARAMETERS

5. Maldives, a group A developing member country, is eligible for ADB concessional resources. The indicative concessional resource allocation for 2019–2021 is \$43.26 million.<sup>4</sup> The final allocation will depend on, among other factors, available resources and the outcome of the country performance assessments. Cofinancing and funding from other sources, including the regional pool under concessional resources, will be explored. The 2017 debt distress classification of Maldives was assessed to be at high risk of debt distress.<sup>5</sup> In accordance with the Concessional Assistance Policy, the country is to receive 100% of its country allocation in grants in 2018, subject to a 20% volume discount on the grant portion of the country allocation.<sup>6</sup>

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<sup>1</sup> ADB. 2018. *Asian Development Outlook 2018: How Technology Affects Jobs*. Manila.

<sup>2</sup> The Greater Malé Region includes Gulhifalhu, Hulhulé, Hulhumalé, Malé, Thilafushi, and Villingili.

<sup>3</sup> ADB. 2007. *Country Partnership Strategy: Maldives, 2007–2011*. Manila.

<sup>4</sup> The indicative resources available for commitment for 2019–2021 include \$2.19 million allocation of resources for disaster risk reduction.

<sup>5</sup> International Monetary Fund. 2017. Maldives: Staff Report for the 2017 Article IV Consultation. *International Monetary Fund Staff Country Report*. No. 17/357. Washington, DC.

<sup>6</sup> The proportion of grants for the resource allocations during 2019–2021 will be determined by future annual debt distress classifications in accordance with the Concessional Assistance Policy.

6. The lending and nonlending programs for 2019–2021 (Appendix 2) will support the development outcomes in the following sectors: water and other urban infrastructure and services, industry and trade, energy, and public sector management. These are all in line with the priority areas of the CPS, 2007–2011 (footnote 3). The total lending program for 2019–2021 is \$43.26 million. The nonlending program during the period amounts to \$2.30 million. The assistance program for both lending and nonlending products for the current year is in Appendix 3. Appendix 4 provides the list of indicative knowledge publications and events for 2018 and 2019, which seek to respond to the country's priority knowledge needs.

7. **Nonsovereign operations.** The pursuit of private sector investments and nonsovereign operations in Maldives is hampered by the following constraints: (i) lack of effective convertibility of the rufiyaa, (ii) generally weak capacity of the private sector in financial management and accounting, and (iii) lack of a skilled workforce. ADB will continue to (i) explore potential private sector operations to support capacity building and promote the expansion of tourism and emerging export industries, and (ii) seek opportunities for public–private partnerships, including potential involvement of the private sector in public service provision.

### III. SUMMARY OF CHANGES TO LENDING AND NONLENDING PROGRAMS

#### A. Lending Program

8. The Greater Malé Environmental Improvement and Waste Management Project (Phase 2) scheduled for 2019 has been renamed Greater Malé Waste-to-Energy Project, since the main component of the project has been identified as the waste-to-energy treatment facility. The total allocation for this project has increased from \$24.92 million to \$26.84 million. The project has been rescheduled as standby for 2019 and firm for 2020.

9. The South Asia Subregional Economic Cooperation National Single Window Project is programmed for 2019 for \$2.0 million.<sup>7</sup> The project, which is in line with the government's objective of improving the business environment, will help promote trade facilitation and will be ADB's first regional cooperation and integration project in Maldives.

10. To improve basic infrastructure in the Greater Malé Region, a new project, the Greater Malé Infrastructure Project for \$14.42 million, has been added to the 2021 pipeline.<sup>8</sup>

#### B. Nonlending Program

11. There are two new technical assistance (TA) projects included in the 2019 pipeline: (i) a transaction TA project to support the capacity building of the Greater Malé Waste-to-Energy Project for \$500,000 (standby for 2019, and firm for 2020); and (ii) a transaction TA project to support the implementation of the South Asia Subregional Economic Cooperation National Single Window Project for \$500,000.

12. Two TA projects are in the pipeline for 2020: (i) a transaction TA project for \$500,000 to support the preparation of the Greater Malé Infrastructure Project; and (ii) supplementary financing for \$300,000 for the knowledge and support TA on Capacity Building for Country

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<sup>7</sup> Management approval will be sought to reallocate an additional \$4.0 million from the regional pool under concessional resources to this project.

<sup>8</sup> An additional \$14.42 million from the ADF grant resource allocation for 2022 will be earmarked for this project.

Programming and Portfolio Management to enhance the capacity of the executing and implementing agencies.

13. A transaction TA project to support the implementation of the Greater Malé Infrastructure Project for \$500,000 is programmed for 2021.

## COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2019–2021	Changes from Last COBP
<b>1. Water and Other Urban Infrastructure and Services</b>			
Improved access to sustainable solid waste management services benefiting the poor and women	Improved waste management facilities	Grants: Amount: \$26.84 million (ADF)  Share of COBP envelope: 62.04%	Greater Malé Environmental Improvement and Waste Management Project (Phase 2) has been renamed Greater Malé Waste-to-Energy Project; allocation increased from \$24.92 million to \$26.84 million
<b>2. Industry and Trade</b>			
Improvements in ease of doing business  Efficient, effective, transparent, secure, and service-oriented processing of cross-border trade in South Asia  Developed and expanded private small and medium-sized enterprises subsector	Modern and effective customs administration  Streamlined and transparent business regulations and procedures  Improved merchandise trade of the private sector, including small and medium-sized enterprises	Grants: Amount: \$2.0 million (ADF)  Share of COBP envelope: 4.62%	Allocation for South Asia Subregional Economic Cooperation National Single Window Project changed from \$2.5 million to \$2.0 million <sup>a</sup>
<b>3. Energy</b>			
Improved quality and reliability of electricity supply  Improved institutional capacity for policy formulation, sector regulation, and project implementation	Enhanced energy efficiency, transmission, and distribution  Capacity building for the relevant agencies	Grants: Amount: \$14.42 million <sup>b</sup>  Share of COBP envelope: 33.33%	A new project under this sector, the Greater Malé Infrastructure Project, has been added in the 2021 pipeline

ADB = Asian Development Bank, ADF = Asian Development Fund, COBP = country operations business plan.

<sup>a</sup> Management approval will be sought to reallocate an additional \$4.0 million from the regional pool under concessional resources to this project.

<sup>b</sup> An additional \$14.42 million from the ADF grant resource allocation for 2022 will be earmarked for this project.

Source: ADB estimates.

## INDICATIVE ASSISTANCE PIPELINE

Table A2.1: Lending Products, 2019–2021

Project/Program Name	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB			Gov't	Co-finance	
							Regular OCR	COL	ADF Grants			Total
<b>2019 Firm</b>												
SASEC National Single Window Project	IND	TI-G	IEG and RCI	SARC	2018	7.00	0.00	0.00	2.00	2.00 <sup>a</sup>	1.00	TBD
<b>Total</b>						<b>7.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2.00</b>	<b>2.00</b>	<b>1.00</b>	<b>TBD</b>
<b>2019 Standby</b>												
Greater Malé Waste-to-Energy Project	WUS	TI-G	IEG and PAR	SAUW	2018	TBD	0.00	0.00	26.84	26.84	TBD	TBD
<b>Total</b>						<b>TBD</b>	<b>0.00</b>	<b>0.00</b>	<b>26.84</b>	<b>26.84</b>	<b>TBD</b>	<b>TBD</b>
<b>2020 Firm</b>												
Greater Malé Waste-to-Energy Project	WUS	TI-G	IEG and PAR	SAUW	2018	TBD	0.00	0.00	26.84	26.84	TBD	TBD
<b>Total</b>						<b>TBD</b>	<b>0.00</b>	<b>0.00</b>	<b>26.84</b>	<b>26.84</b>	<b>TBD</b>	<b>TBD</b>
<b>2021 Firm</b>												
Greater Malé Infrastructure Project	ENE or TRA	TI-G	IEG and GEM	SAEN or SATC	2020	TBD	0.00	0.00	14.42	14.42 <sup>b</sup>	TBD	TBD
<b>Total</b>						<b>TBD</b>	<b>0.00</b>	<b>0.00</b>	<b>14.42</b>	<b>14.42</b>	<b>TBD</b>	<b>TBD</b>

ADB = Asian Development Bank; ADF = Asian Development Fund; COL = concessional OCR lending; ENE = energy; GEM = gender equity and mainstreaming; Gov't = government; IEG = inclusive economic growth; IND = industry and trade; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; RCI = regional cooperation and integration; SAEN = Energy Division, South Asia Department; SARC = Regional Cooperation and Operations Coordination Division, South Asia Department; SASEC = South Asia Subregional Economic Cooperation; SATC = Transport and Communications Division, South Asia Department; SAUW = Urban Development and Water Division, South Asia Department; TBD = to be determined; TI-G = targeted intervention—geographic dimensions of inclusive growth; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: Per the Strategy, Policy, and Review Department's memo of 10 March 2017, the project/program pipeline was prepared based on the expected year of signing.

<sup>a</sup> Management approval will be sought to reallocate an additional \$4.0 million from the regional pool under concessional resources to this project.

<sup>b</sup> An additional \$14.42 million from the ADF grant resource allocation for 2022 will be earmarked for this project.

Source: ADB.

**Table A2.2: Nonlending Products and Services, 2019–2021**

Assistance Name	Sector	Division	Assistance Type	Sources of Funding					
				ADB		Others		Total (\$'000)	
				Source	Amount (\$'000)	Source	Amount (\$'000)		
<b>2019 Firm</b>									
SASEC National Single Window Project	IND	SARC	TRTA	TASF	500.00	TBD	0.00	500.00	
<b>Total</b>					<b>500.00</b>		<b>0.00</b>	<b>500.00</b>	
<b>2019 Standby</b>									
Greater Malé Waste-to-Energy Project (Attached)	WUS	SAUW	TRTA	TASF	500.00	TBD	0.00	500.00	
<b>Total</b>					<b>500.00</b>		<b>0.00</b>	<b>500.00</b>	
<b>2020 Firm</b>									
Greater Malé Waste-to-Energy Project (Attached)	WUS	SAUW	TRTA	TASF	500.00	TBD	0.00	500.00	
Greater Malé Infrastructure Project	ENE or TRA	SAEN or SATC	TRTA	TASF	500.00	TBD	0.00	500.00	
Capacity Building for Country Programming and Portfolio Management (Supplementary Financing)	PSM	SARC	KSTA	TASF	300.00	TBD	0.00	300.00	
<b>Total</b>					<b>1,300.00</b>			<b>1,300.00</b>	
<b>2021 Firm</b>									
Greater Malé Infrastructure Project (Attached)	ENE or TRA	SAEN or SATC	TRTA	TASF	500.00	TBD	0.00	500.00	
<b>Total</b>					<b>500.00</b>		<b>0.00</b>	<b>500.00</b>	

ADB = Asian Development Bank; ENE = energy; IND = industry and trade; KSTA = knowledge and support technical assistance; PSM = public sector management; SAEN = Energy Division, South Asia Department; SARC = Regional Cooperation and Operations Coordination Division, South Asia Department; SASEC = South Asia Subregional Economic Cooperation; SATC = Transport and Communications Division, South Asia Department; SAUW = Urban Development and Water Division, South Asia Department; TASF = Technical Assistance Special Fund; TBD = to be determined; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: Per the Strategy, Policy, and Review Department's memo of 10 March 2017, the nonlending pipeline was prepared based on the expected year of signing. Source: ADB.

## ASSISTANCE PROGRAM FOR CURRENT YEAR

### Table A3.1: Lending Products, 2018

Project/Program Name <sup>a</sup>	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Cost (\$ million)						
						Total	ADB		Gov't	Co-finance		
							Regular OCR	ADF				
						Loans	Grants	Total				
<b>2018 Firm</b>												
Greater Malé Environmental Improvement and Waste Management Project <sup>b</sup>	WUS	TI-G	IEG, PAR, and GEM	SAUW	2017	40.00	0.00	0.00	33.07	33.07	4.93	2.00
<b>Total</b>						<b>40.00</b>	<b>0.00</b>	<b>0.00</b>	<b>33.07</b>	<b>33.07</b>	<b>4.93</b>	<b>2.00</b>

ADB = Asian Development Bank; ADF = Asian Development Fund; GEM = gender equity and mainstreaming; Gov't = government; IEG = inclusive economic growth; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; SAUW = Urban Development and Water Division, South Asia Department; TI-G = targeted intervention—geographic dimensions of inclusive growth; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: Per the Strategy, Policy and Review Department's memo of 10 March 2017, the project pipeline was prepared based on the expected year of signing.

<sup>a</sup> Given the provisional nature of the indicative lending program, composition of lending instruments in the actual loan delivery may change. Investment lending accounted for 100% of sovereign lending commitments during 2015–2017.

<sup>b</sup> Formerly named the Greater Malé Environmental Improvement and Waste Management Project (Phase 1) in the country operations business plan, 2018–2020. An additional ADF grant of \$8.22 million from the Operations Group 1 pool of concessional resources cancellations and savings was reallocated to the project, which increased the amount from \$24.85 million to \$33.07 million.

Source: ADB.

### Table A3.2: Nonlending Products and Services, 2018

Assistance Name	Sector	Division	Assistance Type	Sources of Funding				
				ADB		Others		Total (\$'000)
				Source	Amount (\$'000)	Source	Amount (\$'000)	
Strengthening Capacity for Sustainable Solid Waste Management in the Greater Male Region <sup>a</sup>	WUS	SAUW	TRTA	TASF	500.00		0.00	500.00
Capacity Building for Country Programming and Portfolio Management <sup>b</sup>	PSM	SARC	KSTA	TASF	550.00		0.00	550.00
Supporting the Processing of the South Asia Subregional Economic Cooperation National Single Window Project <sup>c</sup>	IND	SARC	TRTA	TASF	200.00		0.00	200.00
<b>Total</b>					<b>1,250.00</b>		<b>0.00</b>	<b>1,250.00</b>

ADB = Asian Development Bank; IND = industry and trade; KSTA = knowledge and support technical assistance; PSM = public sector management; SARC = Regional Cooperation and Operations Coordination Division, South Asia Department; SAUW = Urban Development and Water Division, South Asia Department; TASF = Technical Assistance Special Fund; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

Note: Per the Strategy, Policy, and Review Department's memo of 10 March 2017, the nonlending pipeline was prepared based on the expected year of signing.

<sup>a</sup> The amount of the assistance was changed from \$1,000,000 (in the country operations business plan, 2018–2020) to \$500,000.

<sup>b</sup> Formerly named Capacity Building for Portfolio Management. The amount of the assistance increased from \$300,000 to \$550,000.

<sup>c</sup> A new TRTA project has been added to support the preparation of the South Asia Subregional Economic Cooperation National Single Window Project.

Source: ADB.

## INDICATIVE KNOWLEDGE PUBLICATIONS AND EVENTS

Table A4.1: Knowledge Publications and Events for 2019

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Technical Assistance
Asian Economic Integration Report 2019	Capacity development, finance, governance and public sector management, industry and trade, regional cooperation and integration	Publication and documentation: flagship study	ERCD (ERCI)	Administrative Core Budget (Staff)
Key Indicators for Asia and the Pacific 2019	Capacity development, economics, governance and public sector management	Publication and documentation: flagship study	ERCD (ERDI)	Administrative Core Budget (Staff)
Basic Statistics 2019	Capacity development, economics, governance and public sector management	Publication and documentation: awareness raising brochure or leaflet	ERCD (ERDI)	Administrative Core Budget (Staff)
Asian Development Outlook 2019 and its Update	Capacity development, economics, governance and public sector management	Publication and documentation: flagship study	ERCD (ERMR)	Administrative Core Budget (Staff)
Safety and Sustainability for SMEs in South Asia	Environment	Publication and documentation: technical study	SDCC (Environment Thematic Group)	To be determined
APEC-FRTI Advisory Group Meeting, 2018	Finance, regional cooperation and integration	Flagship event	ERCD (ERCI)	9501
<b>Total number of publications = 5</b>				
<b>Total number of events = 1</b>				

APEC = Asia-Pacific Economic Cooperation; ERCD = Economic Research and Regional Cooperation Department; ERCI = Regional Cooperation and Integration Division, ERCD; ERDI = Development Economics and Indicators Division, ERCD; ERMR = Macroeconomics Research Division, ERCD; FRTI = Financial Regulators Training Initiative; SDCC = Sustainable Development and Climate Change Department; SMEs = small and medium-sized enterprises.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development.

Source: ADB.

**Table A4.2: Additional Knowledge Publications and Events Delivered in 2018**

<b>Title of Publication or Event</b>	<b>Subject</b>	<b>Type</b>	<b>Department or Sector Group or Thematic Group</b>	<b>Technical Assistance</b>
Asian Development Bank and Maldives: Fact Sheet 2017	ADB administration and governance	Publication and documentation: awareness-raising brochure	DOC	Administrative Core Budget (Staff)
2016 Purchasing Power Parity Update for Selected Economies in Asia and the Pacific	Capacity development, economics, governance and public sector management	Publication and documentation: technical study	ERCDC (ERDI)	9238
The Economic Effects of Participating in Global Value Chains: Country and Sector-Level Analysis	Capacity development, economics, governance and public sector management	Publication and documentation: technical study	ERCDC (ERDI)	8779
Evolution of the Economies of Selected DMCs: A Study Based on Input-Output Economic Analysis Framework—Part 2	Capacity development, economics, governance and public sector management	Publication and documentation: technical study	ERCDC (ERDI)	8838
Evolution of the Economies of Selected DMCs: A Study Based on Input-Output Economic Analysis Framework—Part 1	Capacity development, economics, governance and public sector management	Publication and documentation: technical study	ERCDC (ERDI)	8838
Poverty Purchasing Power Parities	Economics	Publication and documentation: working paper	ERCDC (ERDI)	7507
Asian Development Outlook 2018 and its Update	Capacity development, economics, governance and public sector management	Publication and documentation: flagship study	ERCDC (ERM)	Administrative Core Budget (Staff)
Tariff Appraisal Study: Balancing Sustainability and Efficiency with Inclusive Access	Energy	Publication and documentation: working paper	SARD (SAEN and SAOD)	8311
Maldives: Establishing a National Geospatial Database for Mainstreaming Climate Change Adaptation into Development Activities and Policies	Climate change, disaster risk management, environment	Publication and documentation: policy brief	SARD (SAOD)	8572
Climate Risk Atlas	Climate change, disaster risk management, environment	Publication and documentation: technical study	SARD (SAOD)	8572

<b>Title of Publication or Event</b>	<b>Subject</b>	<b>Type</b>	<b>Department or Sector Group or Thematic Group</b>	<b>Technical Assistance</b>
South Asia Subregional Economic Cooperation Operational Plan Update	Regional cooperation and integration	Publication and documentation: technical study	SARD (SARC)	9231
Road Map for the National Single Window in Maldives	Industry and trade	Publication and documentation: technical study	SARD (SARC)	7997
Trade Facilitation and Innovation: Evidence from SASEC Countries	Economics	Publication and documentation: working paper	SARD (SARC)	9231
Trade Costs, Time, and Supply Chain Reliability	Economics	Publication and documentation: working paper	SARD (SARC)	9231
Harbor Charging Study	Transport	Publication and documentation	SARD (SATC)	9155
Urban Health in South Asia	Health, urban development	Publication and documentation	SDCC (Health Sector Group)	Administrative Core Budget (Staff)
ADB Environment Program (2011–2016)	Environment	Publication and documentation	SDCC (Environment Thematic Group)	Non-TA
Presentation of Results for the 2016 Update for Selected Economies in Asia and the Pacific	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	7507
Regional Review Workshop (National Accounts, Compensation, Volume of Dwelling and Revised Machinery and Equipment and, Construction)	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	9238
Regional Technical Review and Evaluation Workshop for 2017 Annual Household Extrapolated Prices by Countries and Rental Data	Capacity development	Capacity development event for DMCs	ERCD (/ERDI)	9238
Regional Technical Review and Evaluation Workshop for 2017 ICP Household, Machinery and Equipment, and Construction Data	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	9238

<b>Title of Publication or Event</b>	<b>Subject</b>	<b>Type</b>	<b>Department or Sector Group or Thematic Group</b>	<b>Technical Assistance</b>
Regional Technical Review and Evaluation Workshop for Preliminary Purchasing Power Parities, Extrapolation, and 2017 ICP Household and Volume Data	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	9238
Regional Technical Review and Evaluation Workshop for 2016 Purchasing Power Parity	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	7507
Regional Technical and Evaluation Workshop for the 2016 Purchasing Power Parity Update	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	9238
Presentation of Statistical Business Register System	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	8594
In-Country Technical Workshop on Using Input-Output Tables and Supply and Use Tables for Economic and Tax Policy Analysis	Capacity development	Capacity development event for DMCs	ERCD (ERDI)	8838
Portfolio Management Seminar	Public sector management	Capacity development event	SARD (SARC)	9515
Asia Water Forum 2018: Information, Innovation, and Technology	Water	Flagship event	SDCC (Water Sector Group)	6498
<b>Total number of publications = 17</b>				
<b>Total number of events = 11</b>				

ADB = Asian Development Bank; DMC = developing member country; DOC = Department of Communications; ERCD = Economic Research and Regional Cooperation Department; ERDI = Development Economics and Indicators Division, ERCD; ERMR = Macroeconomics Research Division, ERCD; ICP = International Comparison Program; SAEN = Energy Division, SARD; SAOD = Office of the Director General, SARD; SARC = Regional Cooperation and Operations Coordination, SARD; SARD = South Asia Department; SASEC = South Asia Subregional Economic Cooperation; SATC = Transport and Communications Division, SARD; SDCC = Sustainable Development and Climate Change Department; TA = technical assistance.

Note: "Publications" may include databases, multimedia, and other forms of documentation. "Events" may include event organization and training or capacity development.

Source: ADB.

**Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2019**

<b>Item</b>	<b>Nature</b>	<b>Project Number</b>	<b>Sector or Theme</b>	<b>Division</b>
Deployment of advanced energy storage to increase the share of renewable energy on Addu Island of Maldives	Advanced technology	46122-003	ENE	SAEN
Usage of advanced controls to provide information on the electrical grid on each island for troubleshooting and analytical purposes	Advanced technology	46122-003	ENE	SAEN
Use of high-level technology through waste-to-energy	Advanced technology	51077-002	ENV	SAUW
Use of high technology for the proposed South Asia Subregional Economic Cooperation National Single Window Project	Advanced technology		IND	SARC

**Total number of innovation, advanced technology, and pilot initiatives = 4**

ENE = energy; ENV = environment; IND = industry and trade; SAEN = Energy Division, South Asia Department; SARC = Regional Cooperation and Operations Coordination Division, South Asia Department; SAUW = Urban Development and Water Division, South Asia Department.  
Source: ADB.