



# Country Operations Business Plan

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March 2018

## People's Republic of China 2018–2020

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Asian Development Bank

## CURRENCY EQUIVALENTS

(as of 27 February 2018)

Currency unit	–	yuan (CNY)
CNY1.00	=	\$0.1583
\$1.00	=	CNY6.3159

## ABBREVIATIONS

ADB	–	Asian Development Bank
COBP	–	country operations business plan
CPS	–	country partnership strategy
OCR	–	ordinary capital resources
PRC	–	People's Republic of China
TA	–	technical assistance

## NOTE

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

<b>Vice-President</b>	Stephen Groff, Operations 2
<b>Director General</b>	Indu Bhushan, East Asia Department (EARD)
<b>Director</b>	Benedict Bingham, People's Republic of China Resident Mission, EARD
<b>Team leader</b>	Marzia Mongiorgi-Lorenzo, Principal Country Specialist, EARD
<b>Team members</b>	Robert Guild, Director, EARD Sujata Gupta, Director, EARD Nan Hua, Operations Assistant, EARD Sangay Penjor, Director, EARD Ying Qian, Director, EARD Junmei Yang, Senior Programs Officer, EARD Xiaoyan Yang, Senior Programs Officer, EARD Qingfeng Zhang, Director, EARD

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

1. The country operations business plan (COBP), 2018–2020 for the People’s Republic of China (PRC) is consistent with the strategic priorities of the Asian Development Bank (ADB) country partnership strategy (CPS), 2016–2020 for the PRC, the priorities of the government’s 13th Five-Year Plan, 2016–2020, and ADB’s strategic priorities as outlined in the Midterm Review of Strategy 2020.<sup>1</sup> It was prepared based on agreements reached during the country programming mission in Yueyang, Hunan Province, in October 2017.

2. The COBP builds on past efforts to incorporate innovative elements, add value, leverage finance and knowledge, and contribute to capacity development of human resources in the PRC. It focuses on innovation and high-impact technology; fostering of regional and global public goods such as pollution control and climate change mitigation and adaptation; promotion of equal access to services and environmentally sustainable development; reduction of rural–urban disparities and promotion of international cooperation and regional connectivity, trade, and investments (Appendix 1 and 2). The COBP also reinforces the vision to deepen the partnership between the PRC and ADB in the area of knowledge and to share knowledge solutions created through ADB operations in the PRC with other developing member countries for enhanced development impact in the PRC and Asia and the Pacific.

## **II. INDICATIVE RESOURCE PARAMETERS**

3. The PRC, a group C developing member country, is eligible for regular ordinary capital resources (OCR) lending. The indicative resources available for commitments during 2018–2020 for sovereign operations amount to \$5.25 billion. The COBP 2018–2020 consists of 32 firm lending projects totaling \$6.15 billion and eight standby lending projects for 2020 totaling \$1.66 billion, both on a transitional approval basis reflecting an understanding reached at the country programming mission in October 2017 (Appendix 3, Table A3.1). These totals will be adjusted as the program transitions to commitments in 2018. Cofinancing and funding from other sources, including the regular OCR regional cooperation and integration set-aside, will also be explored.

4. Nonsovereign operations will continue to support environmental protection, climate change adaptation, inclusive growth, and regional cooperation with a focus on new business models and new technological solutions. Financing will be direct and through intermediaries and will target environmental solutions such as sustainable energy delivery, waste management and clean water, food safety and agricultural development, as well as social sector investments to meet basic human needs. Investments in the finance sector will focus on promoting the development of small and medium-sized enterprises, as well as leasing and supply-chain finance. Non-sovereign operations will also seek to expand support for reform-minded state-owned enterprises and greater synergies with sovereign operations.

5. The nonlending program for 2018–2020 (Appendix 3, Table A3.2) will enhance the design, preparation and readiness of the lending program and support knowledge creation, management and sharing, both within the PRC and with other developing economies. The TA program has a strong thematic focus, in line with the lending program and in response to the government’s priorities. The 2018 nonlending program consists of 29 TA projects with a total value of \$14.3 million financed from ADB’s Technical Assistance Special Fund. Ten TA projects (total value: \$7 million) are categorized as transaction TA, and 19 TA projects (total value: \$7.3 million) as

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<sup>1</sup> ADB. 2016. *Transforming Partnership: People’s Republic of China and Asian Development Bank, 2016–2020*. Manila; ADB. 2014. *Midterm Review of Strategy 2020: Meeting the Challenges of a Transforming Asia and Pacific*. Manila.

knowledge and support TA. ADB will seek to mobilize additional resources from other TA funds and facilities available to ADB, as well as TA cofinancing from other development partners.

6. The indicative 2018–2020 lending and nonlending pipelines are organized around the following four core themes that address the complex development issues of the PRC in a strategic way with high-value multisector programs:

- a) **Environment and climate change.** This encompasses the two flagship programs, Beijing–Tianjin–Hebei air pollution control and Yangtze River Economic Belt, as well as sustainable urbanization, and other environment-related programs.
- b) **Inclusive development.** This covers rural transformation, North-East revitalization, demographic transition (aging and education), and other social inclusion programs.
- c) **Regional cooperation and integration.** This covers regional cooperation initiatives to support the participation of PRC provinces in ADB’s subregional programs (Central Asia Regional Economic Cooperation and Greater Mekong Subregion), the Belt and Road Initiative, and other regional integration activities by promoting regional connectivity, trade and investment, and regional public goods.
- d) **Institution building.** This covers public sector management (e.g., public–private partnerships, central–local fiscal relations, eco-compensation), the finance sector (e.g., green finance and bond market), and other institution-building activities (e.g., legal and judicial reform).

7. The sector-specific allocation of resources in the 2018–2020 lending pipeline covers transport (24%); water and other urban infrastructure and services (24%); agriculture, natural resources, and rural development (22%); and energy (15%). Support to elderly care will account for 7%, support to industry and trade for 6%, and support to education for 2%.

8. Appendix 4 shows the indicative list of knowledge publications and events for 2018, as well as additional knowledge publications and events delivered in 2017 and innovation, advanced technology, and pilot initiatives to be implemented in 2018.

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

9. Changes to the lending pipeline from the COBP, 2017–2019 were mainly the result of placing greater emphasis on multisector interventions for environment-related programs (such as YREB development and sustainable urbanization) and inclusive development (such as education and elderly care) with 10 new firm projects.<sup>2</sup> Changes to the nonlending pipeline result from 17 new knowledge and support TA projects, and from carrying over two such TA projects from the 2017 program to 2018.

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<sup>2</sup> ADB. 2017. *Country Operations Business Plan: People’s Republic of China, 2017–2019*. Manila.

## COUNTRY ASSISTANCE RESULTS AREAS

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2018–2020	Changes from Last COBP
<b>1. Agriculture, Natural Resources, and Rural Development</b>			
Agricultural productivity and water use efficiency improved; participation of rural households in agricultural value chains increased.	<ul style="list-style-type: none"> <li>Integrated water resources management</li> <li>Sustainable land management</li> <li>Agricultural and rural infrastructure</li> <li>Information and communication technology application in rural areas</li> <li>Rural finance</li> <li>Climate smart agriculture</li> <li>Climate change adaptation</li> </ul>	\$1,395 million, 22% of COBP, 2018–2020 envelope	Six new projects added at the request of the government, and two marker projects added as proposed by ADB.
<b>2. Education</b>			
Skills and employability of graduates of post-secondary institutions improved.	<ul style="list-style-type: none"> <li>Technical and vocational education and training</li> <li>Curriculum development</li> <li>School–industry partnerships</li> <li>School rehabilitation and upgrades</li> <li>System and policy reforms</li> </ul>	\$130 million, 2% of COBP, 2018–2020 envelope	Two new projects added at the request of the government, and one marker project added as proposed by ADB.
<b>3. Energy</b>			
Energy efficiency increased and greenhouse gas emissions reduced; energy regulation system and low-carbon development strategies developed and implemented; and carbon-trading platforms established.	<ul style="list-style-type: none"> <li>Renewable energy development</li> <li>Emission reduction in industrial sector</li> <li>Advanced technologies for low-emission fossil fuel</li> <li>Low-carbon, energy-efficient urban energy system</li> </ul>	\$900 million, 15% of COBP, 2018–2020 envelope	No change.
<b>4. Health</b>			
A three-tiered elderly care system (home, community, and institutional care) developed.	<ul style="list-style-type: none"> <li>Development and implementation of elderly care policies</li> <li>Planning and management of elderly care services</li> <li>Elderly care infrastructure</li> <li>Development of age-friendly cities</li> <li>Development of health and elderly care services</li> </ul>	\$400 million, 7% of COBP, 2018–2020 envelope	No change.

Key Country Development Outcomes that ADB Contributes to	ADB		
	Key Areas of Assistance	Indicative Resource Allocation in 2018–2020	Changes from Last COBP
<b>5. Industry and Trade</b>			
Economic growth potential on both sides of the border realized along economic corridors connecting the PRC with neighboring countries of the Greater Mekong Subregion and Central Asia.	Support for small and medium-sized enterprises in border areas Promotion of cross-border financial transactions and investments Better efficiency for cross-border trade Key infrastructure and services in border economic zones Physical and informational connectivity across borders	\$350 million, 6% of COBP, 2018–2020 envelope	No change.
<b>6. Transport</b>			
A more efficient, safe, green, and sustainable transport system developed.	Low-carbon transport Sustainable public transport Road safety Multimodal passenger transport hubs Freight logistics facilities Energy-efficient technologies, emission control, and monitoring Climate change adaptation	\$1,469 million, 24% of COBP, 2018–2020 envelope	One new project added at the request of the government.
<b>7. Water and Other Urban Infrastructure and Services</b>			
More green, inclusive, competitive, and smart small and medium-sized cities developed.	Improvement of urban environment Solid-waste management Flood protection Climate-resilient city Urban redevelopment	\$1,506 million, 24% of COBP, 2018–2020 envelope	One new project added at the request of the government.

ADB = Asian Development Bank, COBP = country operations business plan, PRC = People's Republic of China.

Source: Asian Development Bank estimates.



Table A2.1: Lending Approvals, 2016–2017

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									Regular OCR	ADB	Gov't <sup>a</sup>
<b>2016</b>											
Air Quality Improvement in the Greater Beijing–Tianjin–Hebei Region—China National Investment and Guaranty Corporation's Green Financing Platform	Env.	BTH	ENE, FIN TRA	GI	IEG, ESG GCD, PSD KNS, PAR	EAEN	2016	1,827	500	1,327	
Henan Hebi Qihe River Environmental Improvement and Ecological Conservation	Env.	YREB	ANR, WUS	No	IEG, ESG EGM, KNS PSD	EAER	2014	325	150	175	
Chongqing Integrated Logistics Demonstration	Env.	YREB	TRA	GI	IEG, ESG GCD, KNS RCI	EATC	2014	428	150	278	
Jiangxi Xinyu Kongmu River Watershed Flood Control and Environmental Improvement	Env.	YREB	ANR, WUS	No	IEG, ESG EGM, GCD KNS, PAR	EAER	2015	300	150	150	
Qinghai Haidong Urban Rural Eco Development	Env.	Sust. Urban.	ANR, WUS	GI	ESG, IEG GCD, EGM	EASS	2014	234	150	84	
Shaanxi Accelerated Energy Efficiency and Environment Improvement Financing Program	Env.	Sust. Urban.	ENE	No	IEG, ESG KNS, PSD PAR	EAEN	2015	459	150	309	
Fujian Farmland Sustainable Utilization and Demonstration	Env.	Other	ANR	No	IEG, ESG EGM, GCD PAR, PSD	EAER	2014	191	100	91	
Shandong Groundwater Allocation and Protection	Env.	Other	ANR	No	KNS, IEG, ESG, SGE	EAER	2013	344	150	194	
Public–Private Partnership Demonstration Program to Transform Local Government Delivery of Elderly Care Services (RBL)	Inc. Dev.	Dem. Trans.	HLT	GI	IEG, GCD KNS, PAR PSD	EASS	2015	128	50	78	
Ningxia Liupanshan Poverty Reduction Rural Road Development	Inc. Dev.	Rural Trans.	TRA	TI-G	IEG, GCD EGM, ESG	EATC	2014	266	100	166	

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									ADB	Gov't <sup>a</sup>	Co-finance
Guangxi Regional Cooperation and Integration Promotion Investment Program (MFF) – Tranche 1	RCI	RCI	IND, ICT WUS	No	IEG, ESG RCI, PSD	EAPF	2015	280	130	150	
<b>Total</b>								<b>4,782</b>	<b>1,780</b>	<b>3,002</b>	
<b>2017</b>											
Air Quality Improvement in the greater BTH Region—Regional Emission Reduction and Pollution Control Facility	Env.	BTH	ENE,WUS, ANR, TRA	No	ESG, IEG PSD, KNS GCD, PAR	EAEN	2017	2,037	499	1,538	
Guizhou Rocky Desertification Area Water Management	Env.	YREB	ANR	TI-G	IEG, ESG GCD,EGM KNS,PSD	EAER	2016	339	150	189	
Xinjiang Changji Integrated Urban–Rural Infrastructure Demonstration	Env.	Sust. Urban.	ANR, TRA WUS, EDU, ENE	GI	IEG, ESG RCI, PSD	EASS	2015	255	150	105	
Shandong Spring City Green Modern Trolley Bus Demonstration	Env.	Sust. Urban.	TRA	GI	IEG, ESG GCD, KNS	EATC	2016	422	150	272	
Heilongjiang Green Urban and Economic Revitalization	Env.	Sust. Urban.	ANR, WUS TRA, IND FIN	GI	IEG, ESG GCD, KNS PSD,PAR	EASS	2015	1,021	310	491	220
Shanxi Urban–Rural Water Source Protection and Environmental Improvement Demonstration	Env.	Other	ANR,TRA, WUS	No	IEG, ESG GCD, EGM	EAER	2014	152	100	52	
Hebei Elderly Care Service System Development	Inc. Dev.	Dem. Trans.	HLT, EDU	GI	IEG, GCD PAR	EASS	2015	180	100	80	
Guangxi Modern Technical and Vocational Education and Training Development Program (RBL)	Inc. Dev.	Dem. Trans.	EDU	GI	IEG, RCI GCD, KNS PAR, PSD	EASS	2016	10,022	250	9,772	
Mountain Railway Safety Enhancement	Inc. Dev.	Rural Trans.	TRA	GI	IEG, ESG	EATC	2008	860	180	680	

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									ADB	Gov't <sup>a</sup>	Co-finance
Shanxi Inclusive Agriculture Value Chain Development	Inc. Dev.	Dem. Trans.	ANR	TI-G	IEG, ESG GCD,KNS PAR,PSD EGM	EAER	2016	148	Regular OCR 90	58	
<b>Total</b>								<b>15,436</b>	<b>1,979</b>	<b>13,237</b>	<b>220</b>

ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BTH = Beijing–Tianjin–Hebei; Dem. = demographic; EAEN = Energy Division; EAER = Environment, Natural Resources and Agriculture Division; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EASS = Urban and Social Sectors Division; EATC = Transport Division; EDU = education; ENE = energy; EGM = effective gender mainstreaming; Env. = environment and climate change; ESG = environmentally sustainable growth; FIN = finance; GCD = governance and capacity development; GI = general intervention; Gov't = government; HLT = health; IEG = inclusive economic growth; Inc. Dev. = inclusive development; IND = industry and trade; KNS = knowledge solutions; MFF = multitranches financing facility; OCR = ordinary capital resources; PAR = partnerships; PDA = project design advance; PSD = private sector development; RBL = results-based lending; RCI = regional cooperation and integration; Sust. Urban. = sustainable urbanization; TI-G = targeted intervention–geographic dimensions of inclusive growth; TRA = transport; Trans. = transformation; TRTA = transaction technical assistance; WUS = water and other urban infrastructure services; YREB = Yangtze River Economic Belt  
Source: Asian Development Bank.

<sup>a</sup> The government's financing amounts are estimates.

**INDICATIVE ASSISTANCE PIPELINE**  
**Table A3.1: Lending Products, 2018–2020**

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									ADB	Gov't <sup>a</sup>	Co-finance
								Regular OCR			
<b>2018 Firm</b>											
Air Quality Improvement in the Greater BTH for Shandong	Env.	BTH	ENE	No	ESG, IEG PSD, KNS	EAEN	2017	400	400	TBD	
Green Finance Catalyzing Facility for Shandong (MFF and FIL)	Env.	BTH	WUS	No	ESG, IEG PSD, KNS PAR	EAOD	2017	600	100	TBD	500
Yangtze River Green Ecological Corridor Comprehensive Agriculture Development	Env.	YREB	ANR	No	IEG, ESG GCD, EGM KNS	EAER	2017	507	300	207	
Chongqing Longxi River Basin Integrated Flood and Environmental Risk Management	Env.	YREB	ANR, WUS	No	IEG, ESG KNS, GCD EGM, PAR	EAER EASS	2017	424	150	274	
Sichuan Ziyang Green transformation and Development	Env.	YREB	EDU, WUS	No	ESG, GCD IEG, SGE	EAER EASS	2017	403	200	203	
Qingdao Rural Waste-to-Energy and Clean Energy Supply Project	Env.	Sust. Urban.	ENE	GI	ESG, IEG KNS, SGE	EAEN	2016	232	100	132	
Hunan Xiangjiang River Watershed Existing Solid Waste Comprehensive Treatment	Env.	Sust. Urban.	WUS	GI	ESG, GCD GEM, PSD	EASS	2015	320	150	170	
Xinjiang Hetian Comprehensive Urban Development and Environmental Improvement	Env.	Sust. Urban.	ANR, WUS TRA	GI	ESG, GCD GEM, PSD	EASS	2016	240	100	140	
Hubei Yichang Comprehensive Elderly Care Service Demonstration	Inc. Dev	Dem. Trans.	HLT	GI	IEG, GCD GEM	EASS	2016	300	150	150	
Subregional Rail Link (Yuxi–Mohan)	RCI	RCI	TRA	GI	IEG, RCI GEM	EATC	2011	150	150	TBD	
Guangxi Regional Cooperation and Integration Promotion MFF Tranche II	RCI	RCI	IND, WUS	No	IEG, RCI PSD	EAPF	2016	470	180	290	
<b>Total</b>								<b>4,046</b>	<b>1,980</b>	<b>1,566</b>	<b>500</b>

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									ADB	Gov't <sup>a</sup>	Co-finance
									Regular OCR		
<b>2018 Standby</b>											
Yunnan Lincang Border Economic Cooperation Zone Infrastructure Comprehensive Development	Env.	Sust. Urban.	TRA, WUS	GI	ESG, GCD	EASS EAPF	2017	763	250	513	
Shanxi Changzhi Industrial Transformation and Economic Upgrading	Env.	Sust. Urban.	WUS, TRA	GI	GEM, PSD	EASS		632	300	332	
Guizhou Gui'an New Urban Area Smart Transport	Env.	Sust. Urban.	TRA	GI	ESG, GCD	EATC	2017	687	200	487	
Multimodal Passenger Hubs Development	Env.	Sust. Urban.	TRA	GI	IEG, ESG	EATC	2008	120	120	TBD	
Gansu Internet-Plus Based Socialized Agricultural Service System Development	Inc. Dev	Rural Trans.	ANR, ICT	No	GEM	EAER	2017	150	150	TBD	
Hubei Xiangyang Elderly Care Service Development (PPP)	Inc. Dev	Dem. Trans.	IND, WUS	No	IEG, KNS	EASS	2018	250	150	TBD	100
Heilongjiang Jiamusi Irrigation and Drainage System Modernization	Inc. Dev	Rural Trans.	ANR, WUS	No	IEG, RCI	EAER	2015	364	150	214	
Xinjiang Regional Cooperation and Integration Promotion MFF Tranche I	RCI	RCI	IND, WUS	No	GEM	EAER	2017	250	150	TBD	100
<b>Total</b>								<b>3,216</b>	<b>1,470</b>	<b>1,546</b>	<b>200</b>
<b>2019 Firm</b>											
Air Quality Improvement in the greater BTH Region for Hebei (FIL)	Env.	BTH	ANR, ENE TRA, WUS	No	ESG, IEG	EAEN	2017	1,000	500	TBD	500
Shanxi Changzhi Industrial Transformation and Economic Upgrading	Env.	Sust. Urban.	WUS, TRA	GI	PSD, KNS, PAR	EASS		632	300	332	
Yunnan Lincang Border Economic Cooperation Zone Infrastructure Comprehensive Development	Env.	Sust. Urban.	TRA, WUS	GI	ESG, GCD	EASS	2017	763	250	513	
Guizhou Gui'an New Urban Area Smart Transport	Env.	Sust. Urban.	TRA	GI	ESG, GCD	EAPF	2017	687	200	487	
Multimodal Passenger Hubs Development	Env.	Sust. Urban.	TRA	GI	GEM, PSD	EATC	2017	120	120	TBD	

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)			
									Regular OCR	ADB	Gov't <sup>a</sup>	Co-finance
Hubei Xiangyang Elderly Care Service Development (PPP)	Inc. Dev	Dem. Trans.	HLT	GI	IEG, ESG	EATC	2018	300	150	150		
Gansu Internet-Plus Based Socialized Agricultural Service System Development	Inc. Dev	Rural Trans.	ANR, ICT	No	GEM	EASS	2017	150	150	TBD		
Heilongjiang Jiamusi Irrigation and Drainage System Modernization	Inc. Dev	Rural Trans.	ANR,WUS	No	IEG, RCI	EAER	2015	364	150	214		
Xinjiang Regional Cooperation and Integration Promotion MFF Tranche I	RCI	RCI	IND, WUS	No	GEM	EAER	2017	250	150	TBD	100	
<b>Total</b>								<b>4,266</b>	<b>1,970</b>	<b>1,696</b>	<b>600</b>	
<b>2019 Firm</b>												
Air Quality Improvement in the greater BTH Region for Hebei (FIL)	Env.	BTH	ANR, ENE, TRA, WUS	No	ESG, IEG	EAEN	2017	1,000	500	TBD	500	
Shanxi Changzhi Industrial Transformation and Economic Upgrading	Env.	Sust. Urban.	WUS, TRA	GI	PSD, KNS, PAR	EASS		632	300	332		
Yunnan Lincang Border Economic Cooperation Zone Infrastructure Comprehensive Development	Env.	Sust. Urban.	TRA, WUS	GI	ESG, GCD	EASS	2017	763	250	513		
Guizhou Gui'an New Urban Area Smart Transport	Env.	Sust. Urban.	TRA	GI	ESG, GCD	EAPF	2017	687	200	487		
Multimodal Passenger Hubs Development	Env.	Sust. Urban.	TRA	GI	GEM, PSD	EATC	2017	120	120	TBD		
Hubei Xiangyang Elderly Care Service Development (PPP)	Inc. Dev	Dem. Trans.	HLT	GI	IEG, ESG	EATC	2018	300	150	150		
Gansu Internet-Plus Based Socialized Agricultural Service System Development	Inc. Dev	Rural Trans.	ANR, ICT	No	GEM	EASS	2017	150	150	TBD		
Heilongjiang Jiamusi Irrigation and Drainage System Modernization	Inc. Dev	Rural Trans.	ANR,WUS	No	IEG, RCI	EAER	2015	364	150	214		
Xinjiang Regional Cooperation and Integration Promotion MFF Tranche I	RCI	RCI	IND, WUS	No	GEM	EAER	2017	250	150	TBD	100	
<b>Total</b>								<b>4,266</b>	<b>1,970</b>	<b>1,696</b>	<b>600</b>	
<b>2019 Standby</b>												
Chongqing Green Transformation and Development	Env.	YREB	ANR, EDU, ICT, IND, WUS	No	IEG, ESG, GCD, EGM	EASS	2017	427	200	227		

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									ADB	Gov't <sup>a</sup>	Co-finance
									Regular OCR		
Jilin Yanji Urban Development	Env.	Sust. Urban.	WUS, TRA	GI	ESG, GCD	EASS	2018	170	130	40	
Hunan Xiangtan Low Carbon City Development	Env.	Sust. Urban.	TRA, ENE	GI	IES, ESG PAR	EATC EAEN	2017	2,048	200	1,748	100
Shanxi Technical and Vocational Education and Training	Inc. Dev	Dem. Trans.	EDU	GI	IEG, GCD GEM, KNS	EASS	2018	100	100	TBD	
Guangxi Elderly Care Demonstration (PPP)	Inc. Dev	Dem. Trans.	HLT	No	IEG, RCI PSD	EASS	2018	100	100	TBD	
Inner Mongolia Regional Cooperation and Integration Promotion-MFF Tranche I	RCI	RCI	IND, WUS	No	IEG, RCI PSD, PAR	EAPF	2017	300	200	TBD	100
<b>Total</b>								<b>3,145</b>	<b>930</b>	<b>2,015</b>	<b>200</b>
<b>2020 Firm</b>											
Air Quality Improvement in the greater BTH Region - Green Financing Scale-Up (FIL)	Env.	BTH	ANR, ENE TRA, WUS	No	ESG, IEG PSD, KNS PAR	EAEN	2017	1,000	500	TBD	500
Anhui Huangshan Xin'an River Ecological Protection and Green Development	Env.	YREB	ANR	No	ESG, GCD, IEG EGM, KNS, PAR	EAER	2018	448	100	248	100
Yunnan Sayu River Basin Eco-Compensation Demonstration	Env.	YREB	ANR	No	ESG, GCD, IEG EGM, KNS, PAR	EAER	2018	525	100	325	100
Henan Dengzhou Ecological Protection and Integrated Rehabilitation	Env.	YREB	ANR	No	ESG, GCD IEG, EGM KNS, PAR	EAER EASS	2018	538	200	238	100
Chongqing Green Transformation and Development	Env.	YREB	ANR, EDU ICT, IND WUS	No	IEG, ESG GCD, EGM	EASS	2017	427	200	227	
Jilin Yanji Urban Development	Env.	Sust. Urban.	WUS, TRA	GI	ESG, GCD	EASS	2018	170	130	40	
Shaanxi Logistics Development	Env.	Sust. Urban.	TRA	GI	IEG, GEM RCI	EATC	2018	468	200	268	

Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									Regular OCR	Gov't <sup>a</sup>	Co-finance
Hunan Xiangtan Low Carbon City Development	Env.	Sust. Urban.	TRA, ENE	GI	IES, ESG PAR	EATC EAEN	2017	2,048	200	1,748	100
Guangxi Elderly Care Demonstration (PPP)	Inc. Dev	Dem. Trans.	HLT	No	IEG, RCI PSD	EASS	2018	100	100	TBD	
Shanxi Technical and Vocational Education and Training	Inc. Dev	Dem. Trans.	EDU	GI	IEG, GCD GEM, KNS	EASS	2018	100	100	TBD	
Inner Mongolia Regional Cooperation and Integration Promotion-MFF Tranche I	RCI	RCI	IND, WUS	No	IEG, RCI PSD, PAR	EAPF	2017	300	200	TBD	100
Xinjiang Regional Cooperation and Integration Promotion MFF Tranche II	RCI	RCI	IND, WUS	No	IEG, RCI PSD	EAPF	2017	170	170	TBD	
<b>Total</b>								<b>6,294</b>	<b>2,200</b>	<b>3,094</b>	<b>1,000</b>
<b>2020 Standby</b>											
Chishui River Transprovincial Environmental and Eco-compensation	Env.	YREB	ANR	No	ESG, GCD IEG, EGM KNS	EAER	2019	600	600	TBD	
Silk Road Ecological Rehabilitation and Protection (Shaanxi, Gasu, Qinghai, Ningxia)	Env.	YREB	ANR	No	ESG, GCD IEG, SGE	EAER	2018	348	200	148	
Yangtze River Inland Waterway Demonstration	Env.	YREB	TRA, ENV	GI	ESG, GEM IEG	EATC		150	150	TBD	
Guangxi Hezhou Mineral Land Ecological Rehabilitation	Env.	Other	ANR, WUS	GI	ESG, IEG	EASS	2018	222	100	122	
Jiangxi Shangrao Preschool Education Demonstration	Inc. Dev	Dem. Trans	EDU	GI	IEG, GCD GEM, KNS	EASS	2018	257	100	157	
Guangxi Regional Cooperation and Integration Promotion MFF Tranche III	RCI	RCI	IND, WUS	No	IEG, RCI PSD	EAPF	2016	120	120	TBD	
Inner Mongolia Regional Cooperation and Integration Promotion-MFF Tranche II <sup>p</sup>	RCI	RCI	IND, WUS	No	IEG, RCI PSD	EAPF	2017	220	220	TBD	



Project/Program Name	Theme	Sub-theme	Sector	Poverty Targeting	Strategic Agendas and Drivers of Change	Division	Year of TRTA/PDA	Total	Cost (\$ million)		
									ADB	Gov't <sup>a</sup>	Co-finance
Xinjiang Regional Cooperation and Integration Promotion MFF Tranche III	RCI	RCI	IND, WUS	No	IEG, RCI PSD	EAPF	2017	170	170	TBD	
<b>Total</b>								<b>2,087</b>	<b>1,660</b>	<b>427</b>	
<b>Total Firm 2018–2020</b>									<b>6,150</b>		

ADB = Asian Development Bank; ADF = Asian Development Fund; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; Dem. = demographic; EAEN = Energy Division; EAER = Environment, Natural Resources and Agriculture Division; EAOD = Office of the Director General; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EASS = Urban and Social Sectors Division; EATC = Transport Division; EDU = education; ENE = energy; ENV = environment and climate change; ESG = environmentally sustainable growth; FIL = financial intermediation loan; GCD = governance and capacity development; GEM = gender equity and mainstreaming; GI = general intervention; Gov't = government; ICT = information and communication technology; HLT = health; IEG = inclusive economic growth; Inc. Dev. = inclusive development; IND = industry and trade; KNS = knowledge solutions; MFF = multitranches financing facility; OCR = ordinary capital resources; PDA = project design advance; PPP = public–private partnership; PSD = private sector development; RCI = regional cooperation and integration; Sust. Urban. = sustainable urbanization; TBD = to be determined; TRA = transport; Trans. = transformation; TRTA = transaction technical assistance; WUS = water and other urban infrastructure services; YREB = Yangtze River Economic Belt.

Source: Asian Development Bank.

<sup>a</sup> The government's financing amounts for the 10 newly proposed projects are estimates, using the ADB rate of \$1 = CNY 6.3 on 31 January 2018.

<sup>b</sup> Out of 2 tranches for a total of \$420 million.

**INDICATIVE ASSISTANCE PIPELINE**  
**Table A3.2: Nonlending Products and Services, 2018–2020**

Project/Program Name	Theme	Sub-theme	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
						ADB		Others		
						Source	Amount (\$'000)	Source	Amount (\$'000)	
<b>2018 Firm</b>										
<b>a. TRTA</b>										
TRTA Facility for Preparing Air Quality Improvement Program (2017–2019) in the Greater Beijing–Tianjin–Hebei Region (supplementary)	Env.	BTH	ENE	EAEN	TRTA	TASF	500			500
TRTA Facility for Preparing Yangtze River Economic Belt Projects (supplementary)	Env.	YREB	ANR, WUS	EAER	TRTA	TASF	1,500	TBD	500	2,000
Xinjiang Hetian Comprehensive Urban Development and Environmental Improvement, attached TA	Env.	Sust. Urban.	WUS, TRA	EASS	TRTA	TASF	400	TBD	400	800
Shanxi Changzhi Industrial Transformation and Economic Upgrading	Env.	Sust. Urban.	WUS, TRA	EASS	TRTA	TASF	400			400
Shaanxi Transport & Logistics Port	Env.	Sust. Urban.	TRA	EATC	TRTA	TASF	400			400
Guangxi Hezhou Mineral Land Ecological Rehabilitation	Env.	Other	ANR	EASS	TRTA	TASF	400			400
Silk Road Ecological Rehabilitation and Protection for Shaanxi, Gansu, Qinghai and Ningxia	Env.	Other	ANR	EAER	TRTA	TASF	800			800
Shanxi Xinzhou Technical and Vocational Education and Training	Inc. Dev.	Dem. Trans.	EDU	EASS	TRTA	TASF	400			400
Enhancing Capacity of the Executing and Implementing Agencies in PRC for Better Project Implementation	Inst. Build.	Inst. Build.	PSM	PRCM	TRTA	TASF	700			700
TRTA Facility for Supporting Project Preparation (supplementary)	Multiple	Multiple	HLT, FIN, WUS, TRA	PRCM	TRTA	TASF	1,500			1,500
<b>Subtotal TRTA</b>							<b>7,000</b>		<b>900</b>	<b>7,900</b>

Project/Program Name	Theme	Sub-theme	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
						ADB		Others		
						Source	Amount (\$'000)	Source	Amount (\$'000)	
<b>b. KSTA</b>										
Study on the Improvement Path of Air Quality in Typical Cities in Beijing–Tianjin–Hebei and Its Surrounding Areas	Env.	BTH	ANR	EAEN	KSTA	TASF	400			400
Study on Municipal Solid Waste Regional Integrated Management Mode for Beijing-Tianjin-Hebei	Env.	BTH	ENE, WUS	EASS	KSTA	TASF	400			400
Policy research on forestry and ecological construction coordinated development in the YREB	Env.	YREB	ANR	EAER	KSTA	TASF	350			350
Pilot Implementation of Public–Private Partnership Funding Mechanism for Chishui Watershed Protection	Env.	YREB	ANR	EAER EAPF	KSTA	TASF	400			400
Study on comprehensive eco-compensation mechanism	Env.	YREB	ANR	EAER EAPF	KSTA	TASF	400			400
Hubei Xiangyang Integrated Sustainable Urban Transportation Planning and Strategic Study	Env.	Sust. Urban.	WUS	EATC	KSTA	TASF	400			400
Policy Study on Integrated Transport Development in Xiong'an New Area by International Perspective	Env.	Sust. Urban.	TRA	EATC	KSTA	TASF	400			400
Research on Improvement of the Design of PRC's National Carbon Emissions Trading System	Env.	Sust. Urban.	ENE	EATC EAEN EAPF	KSTA	TASF	350			350
Advanced Renewable Energy Technology Demonstration	Env.	Other	ENE	EAEN	KSTA	TASF	300	TBD	400	700
Piloting Innovative Flash Flood Early Warning System in Selected River Basins	Env.	Other	WUS	EAER	KSTA	TASF	400			400
Guangdong Industry Green Growth Indicators and Innovative Mechanisms Research Proposal	Env.	Other	IND	EASS	KSTA	TASF	300			300
Policy Study and Capacity Building for Elderly Care	Inc. Dev.	Dem. Trans.	PSM	EASS EAPF	KSTA	TASF	350			350
Reform Application-oriented Talents Training Mode in Local Universities of Yunnan Province	Inc. Dev.	Dem. Trans.	EDU	EASS	KSTA	TASF	400			400
Jiangxi Internet Plus Government Services Innovation Research	Inc. Dev	Rural Trans.	ANR	EAER	KSTA	TASF	300			300

Project/Program Name	Theme	Sub-theme	Sector	Division	Assistance Type	Sources of Funding				
						ADB		Others		Total (\$'000)
						Source	Amount (\$'000)	Source	Amount (\$'000)	
Policy Study on Integrating Poverty Alleviation into Ecological Conservation	Inc. Dev.	Other	ANR	EAER	KSTA	TASF	350		350	
Legislation Research on Public Private Partnership, From the Perspective of National Fiscal Management	Inst. Build.	Public Admin.	PSM	EAPF	KSTA	TASF	400		400	
Study on the Diversification of PRC Local Government Bond Investors	Inst. Build.	Public Admin.	FIN	EAPF	KSTA	TASF	400		400	
Flagship Studies for the 14th FYP preparation	Inst. Build.	Other	PSM	PRCM EAOD	KSTA	TASF	600		600	
Study on Characteristic Tourism along One Belt One Road Initiative in Five Northwestern Provinces	RCI	RCI	IND, PSM	EASS EAPF	KSTA	TASF	400		400	
<b>Subtotal KSTA Total</b>							<b>7,300</b>	<b>400</b>	<b>7,700</b>	
							<b>14,300</b>	<b>1,300</b>	<b>15,600</b>	
<b>2019/2020</b>										
<b>a. TRTA</b>										
Chishui River Transprovincial Environmental and Eco-compensation	Env.	YREB	ANR	EAER	TRTA	TASF	500		500	
Yangtze River Inland Waterway Demonstration	Env.	YREB	TRA, ENV	EATC	TRTA	TASF	TBD		TBD	
Provincial University Transformation	Inc. Dev	Dem. Trans.	EDU	EASS	TRTA	TASF	500		500	
Elderly Care Project	Inc. Dev	Dem. Trans.	PSM	EASS EAPF	TRTA	TASF	300		300	
<b>b. KSTA</b>										
Research on Renewable Resource Utilization and Disposal Compensation Mechanism	Env.	Sust. Urban.	ENE	EAEN	KSTA	TASF	475		475	
Scoping work on zero waste manufacturing for future possible operations in the area	Env.	Sust. Urban.	WUS	EASS	KSTA	TASF	400		400	
Shanxi Changzhi Industrial Transformation and Economic Upgrading	Env.	Sust. Urban.	IND	EASS EAPF	KSTA	TASF	400		400	

Project/Program Name	Theme	Sub-theme	Sector	Division	Assistance Type	Sources of Funding				Total (\$'000)
						ADB		Others		
						Source	Amount (\$'000)	Source	Amount (\$'000)	
<b>b. KSTA</b>										
Construction of linkage mechanism for ecological environmental damage compensation in Tianjin	Env.	Sust. Urban.	ANR	PRCM EAER	KSTA	TASF	400			400
Rural Space Optimization and Cultural Heritage Protection in Rapid Urbanization Process	Env.	Sust. Urban.	ANR, WUS	EASS	KSTA	TASF	350			350
Monitoring and Load assessment of agricultural diffused pollution in typical watershed	Env.	Other	ANR	EAER	KSTA	TASF	400			400
Study on Construction of National Civil Ecological Protection Pilot Zone in Qinghai	Env.	Other	ANR	EAER	KSTA	TASF	400			400
Belt and Road Human Resource Development Cooperation Focus and Path	Inc. Dev.	Dem. Trans.	EDU	EASS	KSTA	TASF	400			400
Strengthening Core Competencies Development for Primary Schools	Inc. Dev	Dem. Trans.	EDU	EASS	KSTA	TASF	400			400
Green Financing and Climate Change Bond	Inst. Build.	Finance	FIN	EAPF	KSTA	TASF	400			400
Green Finance in Supporting the Green Transformation of the Economy: Policies and Practices	Inst. Build.	Finance	FIN	EAPF	KSTA	TASF	400			400
Research on Treasury cash management risk control system	Inst. Build.	Public Admin.	FIN	EAPF	KSTA	TASF	350			350
Capacity Building of PPP Government Management	Inst. Build.	Public Admin.	FIN	EAPF EAOD	KSTA	TASF	500			500
<b>Total</b>							<b>6,575</b>			<b>6,575</b>

ADB = Asian Development Bank; ADF = Asian Development Fund; Admin. = administration; ANR = agriculture, natural resources, and rural development; COL = concessional OCR lending; Dem. = demographic; EAEN = Energy Division; EAER = Environment, Natural Resources and Agriculture Division; EAOD = Office of the Director General; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EASS = Urban and Social Sectors Division; EATC = Transport Division; ENE = energy; ENV = environment and climate change; FIN = finance; FYP = five-year plan; Gov't = government; IND = industry; Inst. Build. = institution building; KSTA = knowledge and support technical assistance; MUL = multisector; OCR = ordinary capital resources; PPP = public-private partnership; PRCM = People's Republic of China Resident Mission; PSM = public sector management; RCI = regional cooperation and integration; Sust. Urban. = sustainable urbanization; TA = technical assistance; TASF = Technical Assistance Special Fund; TRA = transport; Trans. = transformation; TRTA = transaction technical assistance; WUS = water and other urban infrastructure services.  
Source: Asian Development Bank.

**Table A4.1: Indicative Knowledge Publications and Events for 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>
Financial Inclusion in the PRC	Finance, inclusive growth	Publications	EARD	
Sharing PRC's Experience: PRC's Evolving Role in Global Value Chain	Industry and trade, capacity development	Publications	EARD	
Laboring Towards the Chinese Dream		Publications	EARD	
Sharing the PRC's Experience: Innovation and Patents in the PRC	ICT, capacity development	Publications	EARD	
9th PRC ADB Knowledge Sharing Platform: Fiscal Reforms and Inclusive Growth	Finance	Publications	EARD	
Sharing the PRC's Experience: Special Economic Zones	Industry and trade, capacity development	Publications	EARD	
Financing Elderly Care System	Health, finance	Publications	EARD	
Measuring Trade Integration and Proceedings from CAREC Think Tank Forum	Industry and trade, RCI	Publications	EARD	
Country Water Assessment	Water, environment	Publications	EARD	
Recommendations for Improving Community Disaster Response Management in Jiangxi Province	Environment and climate change	Publications	EARD	
Study on Ecological Security System for the Core Grain Growing Area of Henan Province	Environment and climate change	Publications	EARD	
Air Quality Management in the Beijing-Tianjin-Hebei region in the PRC: Policy Recommendations	Environment	Publications	EARD	8975
Applying Innovative Financing Mechanisms in the Chishui Watershed	Water	Publications	EARD	
Rural Economic Transformation and Upgrading by the Integration with Internet Plus	Agriculture and natural resources	Publications	EARD	9132
Allow Market to Play a Decisive Role	Public sector management	Publications	EARD	
Belt and Road Initiative	RCI	Publications	EARD	
School–Enterprise Cooperation in TVET	Education, ICT	Publications	EARD	

<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>
Small Cities, Towns and Villages Inclusive and Green Development Strategy for Jiangxi Province	Urban development, environment	Publications	EARD	9035
Case Studies from the Urban Knowledge Hub	Urban development, capacity development	Publications	EARD	
ICT Solutions for Employment and Social Security Services	ICT, inclusive growth	Publications	EARD	
Intensive and Economic Land Use in Small and Medium-Sized Cities in the PRC	Urban development	Publications	EARD	
New Energy Buses in Chinese Cities	Transport, environment	Publications	EARD	
Road Safety with case studies from Pu'er and Shaanxi	Transport	Publications	EARD	
50 CLIMATE SOLUTIONS IN CHINESE CITIES—Best practices from Chinese cities taking action on climate change	Environment, climate change	Publications	EARD	
CPRM Background Paper	ADB administration	Publications	EARD	
Asian Development Outlook—PRC Chapter (Bilingual)	Economics	Publications	EARD	
Asian Development Outlook Update—PRC Chapter (Bilingual)	Economics	Publications	EARD	
2017 Together We Deliver (Chinese)	Knowledge management	Publications	EARD	
Asian Development Bank and the People's Republic of China: Fact Sheet (Chinese)	ADB administration	Publications	EARD	
Clean Energy Vehicles for Sustainable Transport	Transport	Publications	EARD	
Road Maintenance Reform in the PRC	Transport	Publications	EARD	
ASEAN+3 Village Leadership Training, Yunnan, PRC	Capacity development	Event	EARD	
Seminar/Workshop: Reforms towards Markets	Governance, public sector management	Event	EARD	
Seminar/Workshop on Key Issues in Developing Long-term and Elderly Care System	Health	Event	EARD	
Seminar/Workshop on Innovation and Patents in the PRC	Industry and trade	Event	EARD	8430

<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>
Workshop on Special Economic Zones: Lessons from PRC	Governance, public sector management	Event	EARD	8430
9th Knowledge Sharing Platform: Fiscal Reforms and Inclusive Growth in the PRC	Governance, inclusive growth	Event	EARD	8430
Seminar/workshop: Digital economy and inclusive growth in the PRC	Inclusive growth, industry and trade, ICT	Event	EARD	8430
Seminar/workshop: The future of work in the PRC	Inclusive growth	Event	EARD	8430
BTH Workshop	Environment	Event	EARD	9309
<b>Total number of publications = 31</b>				
<b>Total number of events = 9</b>				

ADB = Asian Development Bank; ASEAN = Association of Southeast Asian Nations; BTH = Beijing–Tianjin–Hebei; CAREC = Central Asia Regional Economic Cooperation; CPRM = country portfolio review mission; EARD = East Asia Regional Department; ICT = information and communication technology; PRC = People’s Republic of China; TVET = technical and vocational education and training.

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

Source: Asian Development Bank.



**Table A4.2: Additional Knowledge Publications and Events Delivered in 2017**

<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>
Water Energy Nexus Report	Water, energy	Publications	EARD	
The Economic Value of Urban Environmental Improvement in Huainan, PRC	Urban development, environment	Publications	EARD	
Sustainable Land Management in Asia: Introducing the Landscape Approach	Environment, water	Publications	EARD	8102
Strengthening Flood Risk Management Policy and Practice in the People's Republic of China: Lessons Learned from the 2016 Yangtze River Floods	Water, environment	Publications	EARD	9311
Embedding Community-Based Flood Risk Management in Investment: A Part-to-Whole Approach	Water, environment	Publications	EARD	9311
Water Resources Protection and Informed Decision Making: An Example of the Dagu Aquifer in Qingdao, People's Republic of China	Water, environment	Publications	EARD	8422
Involuntary Resettlement and Sustainable Development: Conceptual Frameworks, Reservoir Resettlement Policies and Experience of Yudonoxia Reservoir	Resettlement	Publications	EARD	6428
Poverty Reduction and Development: National Strategies and a Case Study of ADB-Funded Pilot Project in Nayong County in Guizhou Province of the People's Republic of China	Poverty	Publications	EARD	
Transforming toward a High-Income China: Challenges and Recommendations – English version	Environment, water, education	Publications	EARD	8641
Transforming Toward a High-Income PRC: Challenges and Recommendations – Chinese version	Environment, water, education	Publications	EARD	8641
Management of Fiscal Liabilities for PPPs	Governance, public sector management	Publications	EARD	8940
PPP Funds: Observations from International Experience - Chinese version	PPP	Publications	EARD	8869
Gender, Work, and Migration in the People's Republic of China	Gender, poverty, inclusive growth	Publications	EARD	8797
Intensive and Economic Land Use in Small and Medium-Sized Cities in PRC	Urban development, environment	Publications	EARD	8720

<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>
Promoting Logistics Development in Rural Areas	Agriculture and rural development, ICT, transport	Publications	EARD	8699
CPRM Background Paper	ADB administration	Publications	EARD	
Brochure on Best Performing Loans	ADB administration	Publications	EARD	
People's Republic of China Poverty Reduction and Regional Cooperation Fund: 2016 Annual Report	ADB administration and governance	Publications	OCO	
Current State of Bond Market in PRC	Finance, economics, regional cooperation and integration, energy, water	Publications	EARD	
Allow Market to Play a Decisive Role	Industry and trade	Publications	EARD	8895
Laboring Towards the Chinese Dream	Industry and trade	Publications	EARD	8600
Gender Equality and the Labor Market: Women, Work, and Migration in the People's Republic of China	Gender	Publications	EARD	
Carbon Dioxide Capture and Storage (CCS) Event COP 23	Energy	Event	EARD	
International Workshop on Agricultural Service System Development to Promote Rural Economy Transformation and Upgrading through Internet Plus	Agriculture and natural resources	Event	EARD	9132
International Conference on Internet Plus Agriculture	Agriculture and natural resources	Event	EARD	9132
The 7th International Conference on Eco-compensation and Payments for Ecosystem Services	Environment	Event	EARD	9040
Active Aging Regional Conference	Health	Event	EARD	9111
Aging Asia and the Pacific: Developing Long-Term Care Systems and Effective Responses	Health	Event	EARD	9111
International Conference and Workshop: Mainstreaming Urban Climate Change Adaptation: Pilot Cities Program in the PRC	Urban development, environment	Event	EARD	9353
2017 Asian Evaluation Week	ADB administration and governance	Event	IED	
Training Workshop for 2017 ICP Household Consumption	Capacity development	Event	ERCD	9238
Urban climate change adaptation workshop held in the PRC	Climate change, Urban development	Event	EARD	
Air pollution control in Beijing-Tianjin-Hebei areas discussed	Environment and climate change	Event	EARD	

<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>
Second Asia-Pacific Forum on Low-Carbon Technology: Transitioning Towards Sustainable Low-Carbon City Development	Environment and climate change, energy	Event	EARD	
ERCD Seminar: Changing patterns of the PRC's growth	Economics	Event	ERCD	
Growth Take-off in the People's Republic of China	Economics	Event	ADB	
Resource Misallocation in the People's Republic of China: Firm-level Evidence	Economics	Event	ADB	
Special Economic Zones as Catalysts for Economic Corridors, Value Chains and Production Networks, People's Republic of China, Shanghai	Economics, poverty, regional cooperation and integration, industry and trade	Event	EARD	
KfW, ADB sign cofinancing MOU for TVET program in the PRC	Education	Event	OCO	
ADB showcases Green Financing Platform at East Asia Summit Clean Energy Forum	Energy	Event	EARD	
ADB holds Yangtze River Economic Belt Workshop on Eco-compensation Financing	Environment	Event	EARD	
PRCM: ADB sponsors symposium on judicial protection of biodiversity	Environment	Event	EARD	
PRC, ADB co-host workshop on emissions trading system	Environment, energy	Event	EARD	
ADB-Tsinghua Environment and Development Forum	Environment, urban development	Event	EARD	
Distinguished Speaker Seminar: The Transition of Small and Medium-Sized Chinese Banks in the New Era	Finance	Event	ADB	
Public Debt and Private Firm Funding: Evidence from Cities in the People's Republic of China	Finance	Event	ADB	
ADB participates in International Green Finance Forum in the PRC	Finance, economics, environment	Event	EARD	
Seminar: Innovation in Managing Local Government Debt—the Case of the People's Republic of China	Governance and public sector management	Event	ADB	
International Forum: Developing and Sharing Governance Solutions to Reduce Poverty	Governance and public sector management, poverty	Event	EARD	

<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>
	transport			
PRC country portfolio review workshop held in Beijing	Knowledge management	Event	EARD	
11th ASEAN–PRC Forum on Social Development and Poverty Reduction	Poverty, social development and protection	Event	EARD	
Consultation Workshop on New Long-Term CAREC Strategy (People’s Republic of China)	Regional cooperation and integration	Event	EARD, CWRD	
National Consultation and Knowledge Sharing Workshop on Regional Cooperation and Integration	Regional cooperation and integration	Event	EARD	
ADB joins Belt and Road Roundtable and Forum at World Transport Convention in the PRC	Transport	Event	EARD	
PRCM: ADB supports efficient and compact land use in the PRC	Urban development, agriculture and natural resources	Event	EARD	
President Nakao pledges strong support for PRC reforms - China Development Forum 2017	Governance, public sector management, economics	Event	EARD	
<b>Total number of publications = 22</b>				
<b>Total number of events = 34</b>				

ADB = Asian Development Bank; ADBI = Asian Development Bank Institute; ASEAN = Association of Southeast Asian Nations; CAREC = Central Asia Regional Economic Cooperation; CPRM = country portfolio review mission; CWRD = Central and West Asia Department; EARD = East Asia Regional Department; ERCD = Economic Research and Regional Cooperation Department; IED = Independent Evaluation Department; ICT = information and communication technology; MOU = memorandum of understanding; OCO = Office of Cofinancing Operations; PPP = public–private partnership; PRC = People’s Republic of China; TVET = technical and vocational education and training.

Note: “Publications” may include databases, multimedia, and other forms of documentation. “Events” may include event organization and training or capacity development. The table includes additional knowledge publications and events delivered outside the list of indicative knowledge publications and events in the 2017 country operations business plan.

Source: Asian Development Bank.

**Table A4.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2018**

Item	Nature	Project Number	Sector or Theme	Division
Promotion of Intelligent Transport Systems (Gui'an New Area, Guizhou)	TCH	P51044-005	TRA	EATC
Pilot-testing of greenhouse gas inventories (CAREC low-carbon cities RETA)	PLT	RETA 9308	TRA, ENE	EATC
Promotion of advanced railway safety equipment (E'Mei-Miyi)	TCH	P51044-006	TRA	EATC
Green Finance Catalyzing Facility for Shandong (MFF and FI)	INO, PLT, TCH	P51194-001	FIN, WUS	EAPF
Pilot Implementation of River Health Monitoring and Evaluation	PLT, TCH	P51005-002	ANR	EAER

**Total number of innovation, advanced technology, and pilot initiatives = 5**

ANR = agriculture, natural resources, and rural development; CAREC = Central Asia Regional Economic Cooperation; EAER = Environment, Natural Resources and Agriculture Division; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EATC = Transport Division; ENE = energy; FI = financial intermediary; FIN = finance; INO = innovation; MFF = multitranches financing facility; PLT = pilot initiative; RETA = regional technical assistance; TCH = advanced technology; TRA = transport; WUS = water and other urban infrastructure and services.

Source: Asian Development Bank