



Indicative Country Operations Business Plan

February 2021

People's Republic of China 2021–2023

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Asian Development Bank

CURRENCY EQUIVALENTS

(as of 16 February 2021)

Currency unit	–	yuan (CNY)
CNY1.00	=	\$0.1548
\$1.00	=	CNY6.4583

ABBREVIATIONS

ADB	–	Asian Development Bank
COBP	–	country operations business plan
CPS	–	country partnership strategy
KSTA	–	knowledge and support TA
OCR	–	ordinary capital resources
PRC	–	People's Republic of China
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 Asian Development Bank (ADB) country operations business plan (COBP), 2021–2023 for the People’s Republic of China (PRC) is consistent with the strategic priorities of the country partnership strategy (CPS), 2021–2025, to support the PRC in implementing high-quality, green development, through investments and knowledge solutions in three key areas: environmentally sustainable development, climate change adaptation and mitigation, and aging society and health security.¹ This responds to the government’s priorities, including improved natural resource management, expanded low-carbon development, greater social inclusion, and increased regional health security, which will feature prominently in the upcoming 14th Five-Year Plan, 2021–2025 (to be approved in March 2021). The COBP also aligns with the key thrusts of ADB’s Strategy 2030,² including contributing to its operational priorities,³ and adopting its approach to upper middle-income countries.

2. The PRC is an upper middle-income country that faces development challenges unique in scale, scope, and complexity, with regional and global implications. ADB’s core objective is to focus on those development challenges where ADB can add most value, including through demonstration projects and policy innovations that create regional public goods, concerted efforts to strengthen policies and institutions, and the knowledge generation and dissemination. This COBP was prepared based on agreements reached with the PRC central government during July to December 2020 through virtual country programming consultations.

II. INDICATIVE RESOURCE PARAMETERS

3. The PRC is a group C developing member country eligible for regular ordinary capital resources (OCR) lending. The indicative resources available for commitment during 2021–2023 for sovereign operations total \$4.80 billion. The COBP 2021–2023 includes 28 firm lending projects totaling \$4.76 billion and 2 standby lending projects for 2023 totaling \$305.4 million.⁴ Sovereign operations will support comprehensive improvement of the environment, low carbon development, natural disaster risk management, environmentally sustainable urban and rural development, ecological restoration, the circular economy, intelligent transport and logistics management, healthy and age-friendly city development, and public health management. Replication of demonstration projects within the PRC and the region will maximize the development impact of ADB’s lending resources. Cofinancing and funding from other sources—including other development partners, local commercial banks, and private sector funds—will be explored.

4. The 2021 nonlending program consists of 24 technical assistance (TA) projects with a total value of \$7.5 million financed from ADB’s Technical Assistance Special Fund. Five projects (with a total value of \$2.5 million) are categorized as transaction TA, and 19 projects (with a total value of \$5 million) are categorized as knowledge and support TA. The nonlending program will

¹ ADB. 2021. *Country Partnership Strategy: People’s Republic of China, 2021-2025—Toward High-Quality, Green Development*. Manila.

² ADB. 2018. *Strategy 2030: Achieving a Prosperous, Inclusive, Resilient, and Sustainable Asia and the Pacific*. Manila.

³ The operational priorities are: OP1 (addressing remaining poverty and reducing inequalities); OP2 (accelerating progress in gender equality); OP3 (tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability); OP4 (making cities more livable); OP5 (promoting rural development and food security); OP6 (strengthening governance and institutional capacity); and OP7 (fostering regional cooperation and integration).

⁴ Policy-based lending operations, if needed, will be subject to resource availability and available headroom under ADB’s policy-based lending ceiling.

produce and disseminate knowledge, both within the PRC and across the region, as a regional public good, which is a key value addition of ADB's operations in the PRC. ADB will seek to mobilize additional resources from trust funds and development partners for the funding of the TA program and promote strategic partnerships with centers of excellence and local think tanks for its implementation.

5. Private investments, enhanced by an improved enabling environment created through public sector investments and public-private partnerships, will help to deliver maximum development impact in the PRC. Under this COBP, and in alignment with the Operational Plan for Private Sector Operations 2019–2024,⁵ nonsovereign sector operations will take a targeted approach, with a special emphasis on lagging and poorer areas; water- and air-quality improvements; promotion of newer financial products; introduction of the latest technologies, particularly in relation to climate change; access to quality food and affordable health and education solutions; and acceleration of progress with respect to gender. There will be an emphasis on minimizing ADB financing, strongly mobilizing commercial cofinancing, and ensuring the overall financial sustainability of such operations.

6. The CPS, 2021–2025 includes knowledge sharing as a cross-cutting theme, along with institutional reform and regional public goods. Under this COBP, ADB will continue placing knowledge at the center of its operations, as described in the Country Knowledge Plan,⁶ which includes 52 knowledge publications and documents, and 17 knowledge events (including training workshops and capacity development forums and seminars) planned for 2021. The knowledge products and events focus on various subjects, including strategic governance and public sector management, climate change and natural resources management, livable cities development, health, social development and protection, gender, and economics. Pilot initiatives, including for the circular economy, zero-waste cities, low-carbon climate-resilient urbanization, and healthy urban rehabilitation and retrofitting will be developed in 2021.

⁵ ADB. 2019. *Operational Plan for Private Sector Operations, 2019–2024*. Manila.




⁶ ADB. 2021. *Country Partnership Strategy: People's Republic of China, 2021-2025—Toward High-Quality, Green Development*. Country Knowledge Plan (accessible from the list of linked documents in Appendix 3). Manila.







COUNTRY PARTNERSHIP STRATEGY RESULTS FRAMEWORK







Alignment with Government Objectives

Country Goals ^a	
1.	Cumulative rate of decline in carbon intensity ^b (2019: 48.1% from 2005 baseline; 2025 target: reduced) (SDG 9 ^{**})
2.	Average disposable income of rural population (2019: CNY16,021, i.e., 38% of the urban disposable income; 2025 target: increased) (SDG 1 and 10 ^{***})
3.	Share of GDP of expenditure on research and development (2019: 2.23%; 2025 target: increased) (SDG 9 [*])
National Development Impacts ^c	
1.	Areal extent of protected areas (i.e., wetland, forest, marine sanctuaries, national parks) increased (SDG 14 and 15)
2.	Emissions of pollutants (COD, ammonia, SO ₂ , and NO _x) reduced (SDG 3)
3.	More balanced rural–urban and regional development achieved (SDG 11)
4.	Social inclusion of rural population and elderly people increased (SDG 10)

ADB-Supported Program Results and Performance

CPS Objective 1: Environmentally sustainable development			
Key Outcomes	Indicators (2025 target: 80% achievement; 2019 baseline: established at project level ^d)		
1. Natural resource management strengthened, and biodiversity conserved	 People benefiting from strengthened environmental sustainability (expected: ^e 391,482,049) (OP3.3)		
	 Solutions to conserve, restore, and/or enhance terrestrial, coastal, and marine areas implemented (expected: 66) (OP3.3.4)		
2. Pollution controlled (air, water, soil, and marine)	 Infrastructure assets to control pollution established or improved (expected: 154) (OP3.3.1)		
	 Solutions to enhance pollution control in urban and rural areas implemented (expected: 38) (OP3.3.2)		
Resources	Sovereign Operations	Nonsovereign Operations	Technical Assistance
Ongoing portfolio ^f	\$5,419 million (35 projects)	\$120 million (2 projects)	\$7.66 million (21 TA projects)
Indicative resources ^g	Sovereign Operations (OCR) (2021–2023)	Technical Assistance (2021–2023)	Knowledge Products and Events (2021)
	\$1,937 million (17 projects)	\$13.6 million (26 TA projects)	11

CPS Objective 2: Climate change adaptation and mitigation			
Key Outcomes	Indicators (2025 target: 80% achievement; 2019 baseline: established at project level)		
1. Climate change mitigation improved	 Total annual greenhouse gas emissions reduced (expected: 31,107,133 tCO ₂ e/year) (OP3.1)		
	 Zones with improved urban environment (expected: 59) (OP4.3)		
	 Low-carbon infrastructure assets established or improved (expected: 54) (OP3.1.3)		
2. Climate and disaster resilience built	 People with strengthened climate and disaster resilience (expected: 1,275,866) (OP3.2)		
	 Women and girls with increased resilience to climate change, disasters, and other external shocks (expected: 56,600) (OP2.5)		
	 Zones with improved climate resilience and disaster risk management (expected: 41) (OP4.3)		
Resources	Sovereign Operations	Nonsovereign Operations	Technical Assistance
Ongoing portfolio	\$2,859 million (16 projects)	\$199 million (1 project)	\$15.25 million (22 TA projects)
Indicative resources	Sovereign Operations (OCR) (2021–2023)	Technical Assistance (2021–2023)	Knowledge Products and Events (2021)
	\$1,938 million (19 projects)	\$5.6 million (9 TA projects)	6

CPS Objective 3: Strengthened institutions for an aging society and health security			
Key Outcomes 1. Elderly care system and regional health security strengthened	Indicators (2025 target: 80% achievement; 2019 baseline: established at project level)		
		People benefiting from improved elderly care services (expected: 300,000) (OP1.1)	
		Entities with improved service delivery for health emergency preparedness and response, and higher standards for food and health products (expected: 302) (OP6.2)	
		Regional public goods initiatives reduce cross-border health risks (expected: 2) (OP7.3)	
2. Financial inclusion, food security, and access to affordable and higher-quality social services in underserved areas increased		People benefiting from improved social services (expected: 1,138,250) (OP1.1)	
		People benefiting from increased rural investment (expected: 13,673,689) (OP5.1)	
		Measures for increased inclusiveness supported in projects' implementation (expected: 2) (OP1.3.3)	
Resources Ongoing portfolio	Sovereign Operations	Nonsovereign Operations	Technical Assistance
	\$4,014 million (33 projects)	0	\$8.22 million (26 TA projects)
Indicative resources	Sovereign Operations (OCR) (2021–2023)	Technical Assistance (2021–2023)	Knowledge Products and Events (2021)
	\$883million (7 projects)	\$4.7 million (8 TA projects)	20

ADB = Asian Development Bank, CO₂ = carbon dioxide, COBP = country operations business plan, COD = chemical oxygen demand, CPS = country partnership strategy, GDP = gross domestic product, NO_x = nitrogen oxide, OCR = ordinary capital resources, OP = operational priority, PRC = People's Republic of China, SMEs = small and medium-sized enterprises, SO₂ = sulfur dioxide, TA = technical assistance, TAIS = technical assistance information system, TASF = Technical Assistance Special Fund, tCO₂e/year = ton of carbon dioxide equivalent per year, WPBF = work program and budget framework.

^a Targets for country goals are based on the government's 13th Five-Year Plan. They will be updated in the first COBP prepared after CPS approval, to reflect the targets set in the forthcoming 14th plan (for approval in March 2021). * Official SDG Indicator. **SDG aligned indicator *** Proxy indicators for identified SDGs.

^b Reduction rate of CO₂ emissions per CNY10,000 of GDP (also referred to as carbon intensity) as defined in the PRC government's 13th plan.

^c Based on the PRC government's upcoming 14th plan. The impacts are related to national efforts to achieve the specified SDGs.

^d All outcome indicators target an 80% achievement rate, meaning aggregate results achieved by relevant completed operations should be at or exceed 80% of aggregate expected results for these interventions as set out in advance in the project documents.

^e Expected results are the aggregated results planned to be achieved by operations for which a project completion report is expected to be circulated during the CPS period. These are operations expected to financially close from 2019 to 2023. Expected results are indicative values only; the specific target values that will be used to evaluate the effectiveness of ADB country programming in the CPS final review will be established based on the project completion reports circulated during the CPS period.

^f Resources for the ongoing portfolio refer to the net effective amount for sovereign operations and the committed amount for TAs as retrieved from the Project Processing and Portfolio Management (eOperations) System. Resources for TA projects financially completed in 2019 are taken from TAIS. Resources for an operation or TA are included under every CPS Objective the operation or TA is aligned with; therefore, the same resources may be included under more than one CPS Objective.

^g Indicative resources are taken from WPBF, 2021–2023 for TAs (ADB. 2020. *Work Program and Budget Framework, 2021–2023*. Manila) and COBP, 2021–2023 for sovereign operations and knowledge products and events (ADB. 2021. *Country Operations Business Plan: People's Republic of China, 2021–2023*. Manila).

Source: Asian Development Bank estimates.

LIST OF LINKED DOCUMENTS

<http://www.adb.org/Documents/COBP/?id=PRC-2021>

1. Portfolio at a Glance: People's Republic of China

INDICATIVE ASSISTANCE PIPELINE

Table A3.1: Lending Products, 2022–2023

Project/Program Name ^a	Operational Priorities ^b	Sector	Poverty Targeting	Division	Year of TRTA /PRF	Total	Cost (\$ million)		
							ADB Regular OCR	Gov't	Co-finance
2022 Firm									
Jiangxi Ganzhou Rural Vitalization and Comprehensive Environment Improvement	OP1, OP3 OP6	ANR	GI	EAER	2019	400.0	200.0	200.0	...
Gansu Environmentally Sustainable Rural Vitalization and Development	OP1, OP3	ANR	GI	EASI	2020	350.0	150.0	200.0	...
Guangxi Guilin Comprehensive Ecological Rehabilitation	OP3, OP4 OP5, OP7	WUS, TRA	GI	EASI	2019	330.0	140.0	190.0	0.0 ^c
Green Transformation in Heilongjiang	OP3, OP5	WUS	GI	EASI	2020	500.0	150.0	350.0	0.0 ^c
Guangxi Hezhou Ecological Restoration and Improvement	OP1, OP3, OP4	ANR, WUS	GI	EASS	2018	200.0	100.0	100.0	0.0 ^c
Strengthening Health Security in the PRC	OP4, OP6	HLT	GI	EASS	2021	500.0	300.0	200.0	...
Shanxi Changzhi Green Transformation and Human Capital Development Demonstration	OP4, OP1 OP2, OP5	WUS, TRA EDU	GI	EASS	2018	600.0	300.0	300.0	...
Jilin Songhua Lake Integrated Ecological and Environmental Improvement	OP3, OP6	ANR	GI	EASS	2019	300.0	150.0	150.0	...
Inner Mongolia Sustainable Cross Border Development Investment Program (MFF), Tranche 2	OP7	FIN, WUS	GI	EAPF	2017	213.0	118.4	94.6	0.0 ^c
Total						3,393.0	1,608.4	1,784.6	...
2023 Firm									
Fujian Mulanxi River Basin Ecological Rehabilitation and Small Towns Development	OP1, OP3 OP6	ANR	GI	EAER	2019	485.0	200.0	285.0	...
Anhui Chao Lake Comprehensive Environment Improvement, Phase II	OP3, OP6	ANR	GI	EAER	2021	600.0	150.0	450.0	0.0 ^c

Project/Program Name ^a	Operational Priorities ^b	Sector	Poverty Targeting	Division	Year of TRTA /PRF	Total	Cost (\$ million)		
							ADB	Gov't	Co-finance
							Regular OCR		
Chishui River Basin Ecological Protection and Green Development	OP1, OP3 OP5	ANR	GI	EAER	2021	621.4	250.0	371.4	0.0 ^c
Shanxi Low-carbon and Beautiful Village Development	OP1, OP3	ANR	GI	EASI	2020	602.0	260.0	342.0	0.0 ^c
Yichang Rural Vitalization and Green Development Demonstration	OP1, OP3 OP5	ANR	GI	EASI	2021	1,000.0	200.0	800.0	...
Jiangxi Rural-Urban Ecological Rehabilitation and Circular Economy	OP1, OP3 OP4	ANR	GI	EASS	2021	579.1	200.0	379.1	...
Guangxi Wuzhou Healthy City Development Program (RBL)	OP4, OP6	HLT	GI	EASS	2020	...	100.0	...	...
Guangxi Environmentally Sustainable Rural Development Demonstration	OP1, OP3 OP5	FIN, ANR	GI	EAPF	2021	605.7	150.0	455.7	...
Total						4,593.2	1,510.0	3,083.2	...
2023 Standby									
Yellow River Ecological Corridor and Climate Resilient Agriculture Development	OP1, OP3 OP5	ANR	GI	EAER	2020	797.1	200.0	597.1	...
Inner Mongolia Sustainable Cross Border Development Investment Program (MFF), Tranche 3	OP7	FIN, WUS	GI	EAPF	2017	212.7	105.4	107.3	...
Total						1,009.8	305.4	704.4	...

... = not available; ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; EAER = Environment, Natural Resources and Agriculture Division; EAPF = Public Management; Financial Sector and Regional Cooperation Division; EASI = Sustainable Infrastructure Division; EASS = Urban and Social Sectors Division; EDU = education; FIN = finance; GI = general intervention; Gov't = government; HLT = health; MFF = multitranches financing facility; OCR = ordinary capital resources; PRC = People's Republic of China; PRF = project readiness facility; RBL = results-based lending; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

^a Given the provisional nature of the indicative lending program, the composition of lending instruments in the actual loan delivery may change.

^b The operational priorities (OPs) are: OP1 (addressing remaining poverty and reducing inequalities); OP2 (accelerating progress in gender equality); OP3 (tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability); OP4 (making cities more livable); OP5 (promoting rural development and food security); OP6 (strengthening governance and institutional capacity); and OP7 (fostering regional cooperation and integration).

^c KfW expressed interest in cofinancing.

Source: Asian Development Bank.

Table A3.2: Nonlending Products and Services, 2022–2023

Project/Program Name	Operational Priorities ^a	Sector	Division	Assistance Type		Sources of Funding			Total (\$'000)
				Source	Amount (\$'000)	Sources of Funding			
						ADB	Others		
Source	Amount (\$'000)	Source	Amount (\$'000)						
Ecological Protection and Management of Key Rivers in Yellow River Basin	OP3, OP5	ANR	EAER	KSTA	TASF	300	...	...	300
Practice and Promotions of Technological Innovations of Modern Agriculture in Northeast People's Republic of China	OP5, OP6	ANR, ICT	EAER	KSTA	TASF	300	...	...	300
Study on Management of Land-Based Marine Litter Around Bohai Sea in Liaoning Province	OP3, OP4, OP5	ANR, WUS	EAER/EASS	KSTA	TASF	300	...	...	300
Policy Research of Leveraging Finance to Support Rural Vitalization in Inland Areas under the 14th Five-Year Plan	OP5, OP6	ANR, FIN	EAPF	KSTA	TASF	260	...	...	260
Countermeasures Research on Enhancing Yunnan's Capacity to Address Climate Change and Promote Carbon-Inclusive Development	OP3, OP4, OP6	ENE, WUS	EASI	KSTA	TASF	300	...	...	300
Design and Pilot of Monitoring, Early Warning, and Disaster Risk Financing System for Meteorological Disasters in the Source Area of the Three Rivers	OP3, OP5, OP6	ANR, FIN	EAER/EAPF	KSTA	TASF	300	...	...	300
Study on Plastic Pollution Control and Reduction in Haihe River Basin	OP3, OP4	WUS	EAER/EASS	KSTA	TASF	300	...	...	300
Study on High-Quality Development of Chengdu and Chongqing Economic Circle	OP4, OP6	IND, PSM	EAPF	KSTA	TASF	300	...	...	300
Study on High-Quality Development of Digital Economy Empowered by New Infrastructure in the Context of Dual Circulation Paradigm	OP4, OP6	ICT, IND	EASI	KSTA	TASF	300	...	...	300
Construction of Optimal Response Mechanism for Public Health Management in Hainan Province	OP1, OP2, OP6	HLT, PSM	EASS	KSTA	TASF	300	...	...	300
Policy Study on Building Elderly Care System for an Aging Society in Qinghai Province	OP1, OP2, OP6	HLT, PSM	EASS	KSTA	TASF	300	...	...	300

Project/Program Name	Operational Priorities ^a	Sector	Division	Assistance Type		Sources of Funding			Total (\$'000)
				Source	Amount (\$'000)	Others			
						Source	Amount (\$'000)		
Enhancing Technical System and Management Regulations of the “Three Lines One Permit” Policy	OP3, OP6	ANR, PSM	EAER	KSTA	TASF	300	...	...	300
Research on Financial Resources Overall Management and Application	OP6	FIN, PSM	EAPF	KSTA	TASF	300	...	...	300
Study on Promoting the Role of the Policy-Based Agricultural Credit Guarantee in Polishing "the Golden Plaque" of Agriculture and Exploration of Its Practices in Sichuan Province	OP5, OP6	ANR, FIN	EAPF	KSTA	TASF	300	...	...	300
Research on Transformation and Upgrading of New Urban Infrastructure Driven by Digital Economy	OP4, OP6	ICT, WUS	EASS	KSTA	TASF	300	...	...	300
Research on Constructing Classified Security System for Children in Difficulty in Jiangxi Province	OP1, OP6	EDU, PSM	EASS	KSTA	TASF	200	...	...	200
Analysis of and Coordinated Response to Marine Disasters in Key Areas	OP3	ANR	EAER	KSTA	TASF	300	...	...	300
Promoting the Reform and Opening Up of Foreign Exchange Management through Regional Reform	OP6	FIN, PSM	EAPF	KSTA	TASF	300	...	...	300
Policies, Institutions, and Actions for Exchange and Cooperation between Hainan Free Trade Port and Southeast Asia	OP6	FIN, PSM	EAPF	KSTA	TASF	300	...	...	300
Total						5,560			5,560

... = not available; ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; EAER = Environment, Natural Resources and Agriculture Division; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EASI = Sustainable Infrastructure Division; EASS = Urban and Social Sectors Division; EDU = education; ENE = energy; FIN = finance; HLT = health; ICT = information and communication technology, IND = industry and trade; KSTA = knowledge and support technical assistance; PSM = public sector management; TA = technical assistance; TASF = Technical Assistance Special Fund; WUS = water and other urban infrastructure and services.

^a The operational priorities (OPs) are OP1 (addressing remaining poverty and reducing inequalities); OP2 (accelerating progress in gender equality); OP3 (tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability); OP4 (making cities more livable); OP5 (promoting rural development and food security); OP6 (strengthening governance and institutional capacity); and OP7 (fostering regional cooperation and integration).

Source: Asian Development Bank.

ASSISTANCE PROGRAM FOR CURRENT YEAR

Table A4.1: Lending Products, 2021

Project/Program Name ^a	Operational Priorities ^b	Sector	Poverty Targeting	Division	Year of TRTA /PRF	Total	Cost (\$ million)		
							ADB	Gov't	Co-finance
							Regular OCR		
2021 Firm									
Hunan Miluo River Disaster Risk Management and Comprehensive Environment Improvement	OP3, OP6	ANR	GI	EAER	2020	353.5	150.0	132.6	70.9 ^c
Hunan Xiangxi Rural Environmental Improvement and Green Development	OP3, OP6 OP5	ANR	GI	EAER	2019	420.0	200.0	220.0	...
Henan Xichuan Integrated Ecological Protection and Environment Improvement	OP1, OP3 OP6	ANR	GI	EAER	2019	405.0	200.0	205.0	...
Silk Road Ecological Rehabilitation and Protection (Shaanxi, Gansu, and Qinghai)	OP3, OP5 OP2	ANR	GI	EAER	2018	348.0	200.0	148.0	...
Air Quality Improvement in the Greater BTH Region- Green Financing Scale-Up (FIL)	OP3, OP4 OP6	ANR, ENE TRA	GI	EASI	2017	650.8	150.0	500.8	...
Shaanxi Green Intelligent Transport and Logistics Management Demonstration	OP3, OP4	TRA	GI	EASI	2018	804.1	200.0	404.1	200.0 ^c
Hubei Xiangyang Elderly Care Service Development	OP1, OP6	HLT	GI	EASS	2019	304.6	150.0	154.6	...
Shaanxi Xi'an Preschool Education Development Program (RBL)	OP1, OP2	EDU	GI	EASS	2020	1,050.0	150.0	900.0	...
Shandong Jiaxiang Smart Water Sector Development Program (SDP)	OP4, OP6	WUS	GI	EASS	2020	200.0	100.0	100.0	...
Shandong Green Development Fund - Additional Financing (Green Climate Fund)	OP3, OP4	ANR, ENE TRA, WUS	GI	EAPF	2020	100.0	0.0	0.0	100.0 ^c
Guangxi Regional Cooperation and Integration Promotion Investment Program (MFF), Tranche 3	OP7	IND, WUS	GI	EAPF	2016	316.0	140.0	176.0	...
Total						4,952.0	1,640.0	2,941.1	370.9

... = not available; ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; BTH = Beijing-Tianjin-Hebei; EAER = Environment, Natural Resources and Agriculture Division; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EASI = Sustainable Infrastructure

Division; EASS = Urban and Social Sectors Division; EDU = education; ENE = energy; FIL = financial intermediation loan; GI = general intervention; Gov't = government; HLT = health; IND = industry and trade; MFF = multitranches financing facility; OCR = ordinary capital resources; PRF = project readiness facility; RBL = results-based lending; SDP = sector development program; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

- ^a Given the provisional nature of the indicative lending program, the composition of lending instruments in the actual loan delivery may change.
- ^b The operational priorities (OPs) are OP1 (addressing remaining poverty and reducing inequalities); OP2 (accelerating progress in gender equality); OP3 (tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability); OP4 (making cities more livable); OP5 (promoting rural development and food security); OP6 (strengthening governance and institutional capacity); and OP7 (fostering regional cooperation and integration).
- ^c Cofinancing from KfW.
- ^d KfW expressed interest in cofinancing.
- ^e Cofinancing from Green Climate Fund.

Source: Asian Development Bank.

Table A4.2: Nonlending Products and Services, 2021

Project/Program Name	Operational Priorities ^a	Sector	Division	Assistance Type		Sources of Funding			Total (\$'000)
				Source	Amount (\$'000)	Others			
						Source	Amount (\$'000)		
2021 Firm									
1. Transaction TA									
Supplementary to Preparing Environmental and Rural Development Projects (TA 9753-PRC)	OP3	ANR	EAER	TRTA	TASF	800	...	...	800
Anhui Chao Lake Comprehensive Environment Improvement (Phase 2)	OP3, OP6	...	...	...	...	400	...	...	...
Chishui River Basin Ecological Protection and Green Development	OP1, OP3 OP5	...	...	...	...	400	...	...	...
Supplementary to Preparing the Yellow River Ecological Corridor and Climate-Resilient Agriculture Development (TA 6654-PRC)	OP1, OP3 OP5	ANR	EAER	TRTA	TASF	500	...	...	500
Supplementary to Preparing the Urban and Social Development Project (TA 9732-PRC)	OP1, OP3 OP4	ANR	EASS	TRTA	TASF	400	...	...	400
Jiangxi Rural-Urban Ecological Rehabilitation and Circular Economy	...	...	...	...	...	...	...	...	...
Supplementary to Preparing Sustainable Development Projects (TA 9820-PRC)	OP1, OP3 OP5	ANR	EASI	TRTA	TASF	400	...	...	400
Yichang Rural Vitalization and Green Development Demonstration	...	...	...	...	...	...	...	...	...
Supplementary to Preparing Regional Cooperation and Integration Projects (TA 9373-PRC)	OP1, OP3 OP5	FIN, ANR	EAPF	TRTA	TASF	400	...	...	400
Guangxi Environmentally Sustainable Rural Development Demonstration	...	...	...	...	...	...	...	...	...
Subtotal Transaction TA						2,500			2,500

Project/Program Name	Operational Priorities ^a	Sector	Division	Assistance Type		Sources of Funding			Total (\$'000)
				Source	Amount (\$'000)	Others			
						Source	Amount (\$'000)		
1. Knowledge and Support TA									
2021 Firm									
Cluster Yellow River, TA Top-Up	OP1, OP3 OP5	ANR	EAER	KSTA	TASF	900			900
Strategic Research on High-Quality Development of Poverty Alleviation Industry of Paper Mulberry Ecological Agriculture and Pasturage in the Yellow River Basin	...	...	...	...	...	300	...	...	300
Policy Research and Technical Study on Ecological Restoration and Biodiversity Conservation in the Yellow River Basin in Henan Province	...	...	...	...	...	300	...	...	300
Rehabilitation of Degraded Grassland in the Middle Reaches of Yellow River	...	...	...	...	...	300	...	...	300
Cluster Disaster Risk Management	OP3, OP4 OP5, OP6	ANR, WUS	...	KSTA	TASF	800			800
Study on Developing Flood storage and Detention Basin	...	...	EAER/ EASS	...	...	200	...	...	200
Research on Climate Change Disaster Risk Assessment and Climate Change Adaptation Strategy in Guangxi Zhuang Autonomous Region	...	...	EASS	...	...	200	...	...	200
Key Technologies and Pilot for Climate-Resilient Cities	...	...	EASS	...	...	200	...	...	200
Capacity Building on Flood and Typhoon Disaster Risk Management and Rescue	...	...	EASS	...	...	200	...	...	200
Carbon Neutrality	OP3, OP6	ENE, FIN ICT	...	KSTA	TASF	600			600
Innovative Study on Climate Financing and Carbon Neutrality Pilot in Hainan	...	...	EAPF/ EASI	...	...	300	...	...	300
Research on Addressing Climate Change in Ningxia through the Use of Science and Technology	...	...	EASI	...	...	300	...	...	300

Project/Program Name	Operational Priorities ^a	Sector	Division	Assistance Type		Sources of Funding			Total (\$'000)
				KSTA	TASF	ADB		Others	
						Source	Amount (\$'000)		
Social Policies	OP1, OP2 OP6	HLT, PSM	EASS	KSTA	TASF	500	...	...	500
National Strategy and Policy Framework for Coping with an Aging Population	...	...	...	...	...	250	...	...	250
Building a Policy Framework for Infant and Child Care Services and Development	...	...	...	...	...	250	...	...	250
Financing Mechanism for Protection and Restoration of Key Ecosystem	OP3, OP6	ANR	EAER/ EAPF	KSTA	TASF	300	...	...	300
Public Service and Social Security System Reform from the Perspective of Fiscal Modernization	OP1, OP6	PSM	EAPF	KSTA	TASF	300	...	...	300
Research and Demonstration of Carbon Sequestration Technologies Applicable to Iron and Steel and Nonferrous Metal Industries of Yunnan Province	OP3	ENE	EASI	KSTA	TASF	200	...	...	200
Research on the Development Strategy of Road Safety System	OP4, OP6	TRA, PSM	EASI	KSTA	TASF	300	...	...	300
Study on the Development of Green Port and Shipping	OP3, OP6	ENE, TRA	EASI	KSTA	TASF	300	...	...	300
Research on the Reform of Basic Medical Insurance Payment Method: Exploratory Analysis Based on Specific Cases	OP1, OP6	HLT, PSM	EASS	KSTA	TASF	300	...	...	300
Leveraging the Greater Mekong Subregion Economic Cooperation Program to Advance the Urbanization of Small Towns: Cases of Yunnan and Guangxi	OP4, OP7	WUS, IND	EASS	KSTA	TASF	300	...	...	300
Study on Industrial Transformation for Poverty Alleviation and High-Quality Development in Southwestern People's Republic of China	OP1, OP2, OP6	ANR, IND	EAOD	KSTA	TASF	200	...	...	200
Innovating Eco-Compensation Mechanisms in Yangtze River Basin	OP3	ANR	EAER	KSTA	...	...	GEF	183	183
Total						5,000		183	5,183

Project/Program Name	Operational Priorities ^a	Sector	Division	Assistance Type		Sources of Funding			Total (\$'000)
				Source	Amount (\$'000)	Others			
						Source	Amount (\$'000)		
2021 Standby									
Ecological Protection and Management of Key Rivers in the Yellow River Basin	OP3, OP5	ANR	EAER	KSTA	TASF	300	...	...	300
Practice and Promotions of Technological Innovations of Modern Agriculture in Northeast People's Republic of China	OP5, OP6	ANR, ICT	EAER	KSTA	TASF	300	...	...	300
Study on Management of Land-Based Marine Litter Around Bohai Sea in Liaoning Province	OP3, OP4, OP5	ANR, WUS	EAER/EASS	KSTA	TASF	300	...	...	300
Policy Research of Leveraging Finance to Support Rural Vitalization in Inland Areas under the 14th Five-Year Plan	OP5, OP6	ANR, FIN	EAPF	KSTA	TASF	260	...	...	260
Countermeasures Research on Enhancing Yunnan's Capacity to Address Climate Change and Promote Carbon-Inclusive Development	OP3, OP4, OP6	ENE, WUS	EASI	KSTA	TASF	300	...	...	300
Total						1,460			1,460

... = not available; ADB = Asian Development Bank; ANR = agriculture, natural resources, and rural development; EAER = Environment, Natural Resources and Agriculture Division; EAOD = Office of the Director General; EAPF = Public Management, Financial Sector and Regional Cooperation Division; EASI = Sustainable Infrastructure Division; EASS = Urban and Social Sectors Division; ENE = energy; FIN = finance; GEF = global environment facility; HLT = health; ICT = information and communication technology, IND = industry and trade; KSTA = knowledge and support technical assistance; PRC = People's Republic of China; PSM = public sector management; TA = technical assistance; TASF = Technical Assistance Special Fund; TRA = transport; TRTA = transaction technical assistance; WUS = water and other urban infrastructure and services.

^a The operational priorities (OPs) are OP1 (addressing remaining poverty and reducing inequalities); OP2 (accelerating progress in gender equality); OP3 (tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability); OP4 (making cities more livable); OP5 (promoting rural development and food security); OP6 (strengthening governance and institutional capacity); and OP7 (fostering regional cooperation and integration). Source: Asian Development Bank.

INDICATIVE KNOWLEDGE PRODUCTS AND EVENTS

TABLE A5.1: KNOWLEDGE PRODUCTS AND EVENTS FOR 2021

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Submission to the Sustainability Report 2020—Converting Manure to Cash	Agriculture and natural resources	Publication and documentation	EARD	TBD
Learning Lessons from the YREB	Agriculture and natural resources, environment	Publication and documentation	EARD	TBD
Piloting Green Finance Mechanisms for Ecological Protection and Agro-Ecological Green Development in the PRC: A Case Study in Huangshan Municipality	Agriculture and natural resources, environment	Publication and documentation	EARD	Non-TA
Policy Brief: Recommendations for Promoting Rural Vitalization	Agriculture and natural resources, environment	Publication and documentation	EARD	TBD
Training Manuals on Safeguards and Gender Management for Executing and Implementing Agency Staff of ADB-Funded Projects in the PRC	Capacity development, gender	Publication and documentation	EARD	TA 9581
Developing Cost Effective Policies and Investments for Climate and Air Quality Improvements in the BTH	Climate change	Publication and documentation	EARD	Non-TA (DOC/OAS)
Hydrogen Solution to Tackle Climate Change	Climate change	Publication and documentation	EARD	Non-TA
Policy Brief on the Yellow River Ecological Corridor	Climate change	Publication and documentation	EARD	Non-TA
Transformation to a Low-Carbon, Resilient, and Livable Xiangtan	Climate Change	Publication and documentation	EARD	Non-TA
Climate-Resilient and Sustainable Land Management	Climate change, natural resources	Publication and documentation	EARD	Non-TA
Comprehensive Strategies for the Deployment of Climate-Friendly Cooling Solutions at the City Scale: A Case Study in Ningbo City	Climate change, urban development	Publication and documentation	EARD	Non-TA
Case Study: Value Chain Approach for Poverty Reduction—A Case in Ningxia	Economics	Publication and documentation	EARD	TBD

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Carbon Neutrality in the PRC	Energy	Publication and Documentation	EARD	Non-TA
Clean Energy Development in the PRC	Energy	Publication and Documentation	EARD	Non-TA
National Carbon Trading Scheme and Potential Innovation	Energy	Publication and Documentation	EARD	Non-TA
Greening of Development	Environment	Publication and documentation	EARD	Non-TA
From Pandemic to Resilience: Expanding Disaster Risk Financing in the PRC	Finance	Publication and documentation	EARD	TA 6687
Optimizing Public Financial Management in the PRC	Finance	Publication and documentation	EARD	Non-TA
Training Materials on Project Financial Due Diligence and Management for the PRC Portfolio	Finance, capacity development,	Publication and documentation	EARD	Non-TA (staff consultant budget)
Observations & Suggestions: Narrowing the Gap-Reforming Intergovernmental Fiscal Relations in the PRC	Finance, economics	Publication and documentation	EARD	Non-TA
Establishing Fiscal Expenditure Standards for Public Programs	Finance, public sector management	Publication and documentation	EARD	Non-TA
Strengthening Liability Insurance and Improving Social Governance in Neijiang City	Finance, public sector management	Publication and documentation	EARD	Non-TA
Care Economy: The Gender Dimension of Care Supply in the PRC	Gender, social development and protection	Publication and documentation	EARD	TA
Time Use Survey Changes During COVID-19 and Implications for Gender Equality	Gender, social development and protection	Publication and documentation	EARD	Non-TA
Implementing One Health in the PRC (in collaboration with SEHS and EAER)	Health	Publication and documentation	EARD	Non-TA
Lessons Learned on PRC's Response to COVID-19	Health	Publication and documentation	EARD	Non-TA
Innovation in Eldercare Services	Health, social development and protection	Publication and documentation	EARD	Non-TA

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Labor Market Conditions for Health and Eldercare Workers in the PRC	Health, social development and protection	Publication and documentation	EARD	Non-TA
The Potential Role of Hospitals in Improving Health and Long-Term Care Coordination in the PRC	Health, social development and protection	Publication and documentation	EARD	Non-TA
E-commerce in Central Asia Regional Economic Cooperation (CAREC) Countries: Laws and Policies (formerly called Regulatory Framework for E-commerce)	Industry and trade	Publication and documentation	EARD	TA 9712
Best Projects Report 2021	Multisector	Publication and documentation	EARD	TBD
Brochure of Project Briefs for the Best Performing Projects in 2018	Multisector	Publication and documentation	EARD	TA
Advancing Economic Diversification in CAREC Countries through the Development of the Services Sector	Multisector	Publication and documentation	EARD	TA 9712
Bridge to Future Livable Cities and City Clusters in the PRC. Policy Opportunities for High-Quality Urban Development	Multisector	Publication and documentation	EARD	Non-TA
Observations & Suggestions on the 14th Five-Year Plan	Multisector	Publication and documentation	EARD	Non-TA
Beyond the Last Mile: Policy Implications for Tackling Emerging Poverty Challenges in the PRC	Poverty	Publication and documentation	EARD	Non-TA
Effective Approaches to Poverty Reduction	Poverty	Publication and documentation	EARD	Non-TA
Policy Brief on Eco-Compensation and Poverty Alleviation	Poverty	Publication and documentation	EARD	TA 9653
Submission to the Global Solicitation on Best Poverty Reduction Practices	Poverty	Publication and documentation	EARD	TBD
Policy Brief: Poverty Beyond 2020	Poverty, social development, and protection	Publication and documentation	EARD	Non-TA (DOC/OAS)
2020 Corridor Performance Measurement and Monitoring Annual Report	Regional cooperation and integration	Publication and documentation	EARD	TA 9832

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
CAREC Road Safety Engineering Manual 4: Pedestrian Safety	Regional cooperation and integration	Publication and documentation	EARD	Non-TA (administrative budget)
RCI Innovations Models	Regional cooperation and integration	Publication and documentation	EARD	TA
Regional Sanitary and Phytosanitary Regulatory Regime: Developing a Framework for Mutual Recognition and Electronic Exchange of SPS	Regional cooperation and integration, health	Publication and documentation	EARD	TA 9500
E-commerce Development in CAREC Countries: Focus on Infrastructure Development	Regional cooperation and integration, information and communication technology, urban development	Publication and documentation	EARD	TA 9712
Multidimensional Evolution of the PRC's Rural Development Policy Lessons for Developing Asia	Rural development	Publication and documentation	EARD	TA 8997
ADO 2021	TBD	Publication and documentation	EARD	Non-TA
ADOU 2021	TBD	Publication and documentation	EARD	Non-TA
Developing Successful New Cities within a City Cluster: Global Knowledge and Insight for Xiong'an	Transport, urban development	Publication and documentation	EARD	Non-TA (DOC/OAS)
Infographic on Economic Development	Economics	Database	EARD	TA 9531
Video on Poverty Reduction	Poverty	Multimedia	EARD	TA 9531
Video: Drawing Lessons from Ancient Chinese Projects Using Nature-based Approaches to Climate and Disaster Risk Management	Water	Multimedia	EARD	TA
Workshop: Institutional Reforms and Competencies to Implement Recommended Initiatives	Capacity development	Event organization	EARD	TA
Asia-Pacific Forum on Low Carbon Technology in Changsha, Hunan Province	Climate change	Event organization	EARD/SDCC	Non-TA
International Climate Investment and Finance Workshop	Climate change	Event organization	EARD/SDCC	Non-TA
EARD Seminar: Higher Education for Innovation	Education	Event organization	EARD	TBD

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
10th International Conference on Eco-Compensation and Payments for Ecosystem Services	Environment	Event organization	EARD	TBD
14th Conference of the Parties on the Ramsar Convention: ADB Participation in Selected Events	Environment	Event organization	EARD	TBD
15th Conference of the Parties of the Convention on Biological Diversity: ADB Participation in Selected Forums and Events	Environment	Event organization	EARD	TBD
Desert Economy: Ecological Valuation and Eco-Compensation	Environment	Event organization	EARD	TA for approval
International Workshop for Rural Sanitation/Wastewater Management	Environment	Event organization	EARD	TA 9825
EARD Seminar: Lessons from ADB's Health Sector Reform Assistance	Health	Event organization	EARD	TA 6543
Joint Social Sector Event: Healthy and Age Friendly City Implementation in Yanji or (Private Sector Partnerships in Elderly Care and Education in the PRC) or (IT Innovations in Social Protection)	Health, urban development	Event organization	EARD	Non-TA
PRC Poverty Reduction International Forum	Poverty	Event organization	EARD	TA 9531
CAREC Country and three Subregional Knowledge-Sharing Workshop on Lessons and Best Practices on the Use of FTAs	Regional cooperation and integration, industry and trade	Event organization	EARD	TA 6558
9th ASEAN+3 Village Leaders Exchange Program	Social development and protection	Event organization	EARD	TA 9531
15th ASEAN–PRC Forum on Social Development and Poverty Reduction	Social development and protection, poverty	Event organization	EARD	TA 9531
ADB-PRC Seminar Series	TBD	Event organization	EARD	TA 9531
ADB-PRC Seminar Series on Digital Innovation for Green and Resilience Development with Alibaba	TBD	Event organization	EARD	TBD
Total number of publications = 52				
Total number of events = 17				

ADB = Asian Development Bank; ADO = Asian Development Outlook; ADOU = Asian Development Outlook Update; ASEAN = Association of Southeast Asian Nations; ASEAN+3 = ASEAN, Japan, the People's Republic of China, and the Republic of Korea; BTH = Beijing–Tianjin–Hebei; CAREC = Central Asia Regional Economic Cooperation; COVID-19 = coronavirus disease; DOC = Department of Communications; EAER = Environment, Natural Resources and Agriculture Division; EARD = East Asia Department; FTA = free trade agreement; IT = information technology; OAS = Office of Administrative Services; PRC = People's Republic of

China; RCI = regional cooperation and integration; SEHS = Human and Social Development Division, Southeast Asia Department; SDCC = Sustainable Development and Climate Change Department; SPS = sanitary and phytosanitary; TA = technical assistance; TBD = to be determined; YREB = Yangtze River Economic Belt.
Source: Asian Development Bank.

Table A5.2: Additional Knowledge Products and Events Delivered in 2020

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Blog: How Did the PRC Reduce Poverty in the Countryside?	Agriculture and natural resources	Publication and documentation	EARD	DOC (ADB Blog)
Blog: Tracking African Swine Fever in Asia	Agriculture and natural resources	Publication and documentation	EARD	DOC (ADB Blog)
Evaluating Losses Associated with African Swine Fever in the PRC and Neighboring Countries	Agriculture and natural resources, economics	Publication and documentation	EARD	Non-TA (DOC/OAS)
DG Op-ed: Yellow River Can Lead Way to Greener Recovery	Agriculture and natural resources, environment	Publication and documentation	EARD	TA 9311
Enabling Nature-Positive Growth in the PRC's Yangtze River Economic Belt and Beyond	Agriculture and natural resources, environment	Publication and documentation	EARD	Non-TA
Op-ed: Nature Protection Key to the PRC Battling Yangtze's Deadly Floods	Agriculture and natural resources, environment	Publication and documentation	EARD	Non-TA
Blog: Digitization for Food Supply Chain Resilience Amid COVID-19	Agriculture and natural resources, information and communication technology	Publication and documentation	EARD	DOC (ADB Blog)
Air Pollutants and Greenhouse Gas Emissions Co-Control Evaluation in the PRC	Climate change	Publication and documentation	EARD	TA 9393
Blog: Addressing "the Last-Mile" Challenge in the PRC	Economics	Publication and documentation	EARD	Non-TA
Blog: What Drives the Growth of Unicorns in the PRC?	Economics	Publication and documentation	EARD	Non-TA
Developing Modernization Indicators for the PRC: Key Considerations and a Proposed Framework	Economics	Publication and documentation	EARD	Non-TA
Op-ed: Green is PRC's New Development Mantra	Environment, climate change	Publication and documentation	EARD	Non-TA
Op-ed: Too Good to Lose	Environment, climate change	Publication and documentation	EARD	Non-TA

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Brief: Options for Urban Mining and Integration with a Potential Green Circular Economy in the PRC (Chinese)	Environment, economics	Publication and documentation	EARD	Non-TA (Administrative budget)
The PRC Must Act Now to Prevent Yangtze Floods Getting Worse	Environment	Publication and documentation	EARD	Non-TA
A Microsurvey-Based Analysis of Gender Differences in Awareness, Attitudes, and Behaviors in the PRC	Gender, social development and protection	Publication and documentation	EARD	TA
Blog: Asia's Aging Population Needs a Safe, Supportive Physical Environment	Governance and public sector management, health	Publication and documentation	EARD	DOC (ADB Blog)
Blog: Let's Take Bold Action on Health to Avoid Future Pandemics	Health	Publication and documentation	EARD	DOC (Development Asia Blog)
Brief: Caring for Careers in Liaoning Province (Chinese)	Health, social development and protection	Publication and documentation	EARD	Non-TA (Administrative budget)
Improving Long-Term Senior Care in An Aging Society	Health, social development and protection	Publication and documentation	EARD	Non-TA (Development Asia Blog)
Market-Based Approach to Sharing the Economic Benefits and Consequences of Aging in the PRC	Health, social development and protection, economics	Publication and documentation	EARD	TA 9437
EARD Chapter for 2019 Annual Report	Multisector	Publication and documentation	EARD	Non-TA
A Review of the Strategy for the Northeast Asia Power System Interconnection	Multisector	Publication and documentation	EARD	Non-TA
Healthy and Age-Friendly Cities in the PRC	Multisector	Publication and documentation	EARD	Non-TA
The Role of Local Governments in Driving High-Quality Growth in the PRC	Multisector	Publication and documentation	EARD	Non-TA
Observations & Suggestions: A Post-2020 Approach to Poverty Reduction Policy Options for the PRC	Poverty	Publication and documentation	EARD	Non-TA

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Leveraging Private Sector Participation to Boost Environmental Protection in the PRC	Private sector, environment	Publication and documentation	EARD	Non-TA
CAREC Corridor Performance Measurement and Monitoring Annual Report 2019	Regional cooperation and integration	Publication and documentation	EARD	TA 9832
Second Climate Actions from CAREC Program Cities (Chinese)	Regional cooperation and integration, climate change	Publication and documentation	EARD	Non-TA (Administrative budget)
Observations & Suggestions: Reforming the Personal Income Tax System in the PRC	Social development and protection	Publication and documentation	EARD	Non-TA
Observations & Suggestions: Streamlining Pension Contributions in the PRC	Social development and protection	Publication and documentation	EARD	Non-TA
Returning Migrants in the PRC: Challenges and Perspectives—Evidence from Chongqing	Social development and protection, governance and public sector management	Publication and documentation	EARD	Non-TA (DOC/OAS)
Assessment of Co-control Strategies of Air Pollution and Carbon Emissions Reduction in the Transport Sector-General Methodology (Chinese)	Transport, environment	Publication and documentation	EARD	Non-TA (Administrative budget)
Not Business as usual: Mega-trends and the need for new city building approaches in the PRC	Urban development	Publication and documentation	EARD	Non-TA
Video: Drawing Lessons from Ancient Chinese Projects Using Nature-based Approaches to Climate and Disaster Risk Management	Water	Publication and documentation	EARD	Non-TA
Transforming Urban-Rural Water Linkages into High-Quality Investments: A Case from Dengzhou City in the PRC	Water, environment, urban development	Publication and documentation	EARD	Non-TA
Catalyzing Climate Finance: Shandong Green Development Fund	Water	Publication and documentation	EARD	Non-TA
Contribution to ADB Database of Economic Policy Responses to COVID-19	Economics	Database	EARD, ORM	Non-TA
Infographic: The Two Faces of the PRC	Economics	Database	EARD	Non-TA

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
Infographic: Elderly Care in the PRC	Health	Database	EARD	Non-TA
Video on Poverty Reduction	Poverty	Multimedia	EARD	Non-TA
Webinar on Regional Flyway Initiative	Agriculture and natural resources	Event organization	EARD, SDCC, SERD	Non-TA
Webinar: Digital Actions to Resilient and Sustainable Food Supply Chains: Experience of the PRC	Agriculture and natural resources	Event organization	EARD, ERCD	Non-TA
EARD Seminar on Vegetable Production	Agriculture and natural resources,	Event organization	EARD	Non-TA
Insight Thursday: Toward a More Sustainable Irrigation Cycle: Lessons from the 3rd World Irrigation Forum (collaboration with other departments)	Agriculture and natural resources,	Event organization	EARD/SDCC	Non-TA
EARD Seminar: Evaluating Losses Associated with African Swine Fever in the PRC and Neighboring Countries	Agriculture and natural resources, economics	Event organization	EARD	Non-TA
International River Symposium (International Conference)	Agriculture and natural resources, environment	Event organization	EARD	Non-TA
Webinar Series ADB–Stanford University: Natural Capital Lab—Sharing Knowledge and Building Partnerships	Agriculture and natural resources, environment	Event organization	EARD	Non-TA
ADB-PRC Seminar: Building with Nature in the PRC: Dujiangyan Integrated Water Resource Management System	Agriculture and natural resources, water	Event organization	EARD	Non-TA
CIKD Seminar: Economic Impact of COVID-19 and Response of the PRC	Economics	Event organization	EARD	TA 9531
ADO Country Launch via Skype for the First Time in PRCM History	Economics	Event organization	EARD	Non-TA
CIKD Seminar: How IT Aided the Fight Against COVID-19 and How the Industry Is Being Transformed?	Economics, information and communication technology	Event organization	EARD	TA 9531
ADB-PRC Seminar: Danish District Heating Experiences	Energy	Event organization	EARD	TA 9531

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
ADB-Alibaba Webinar on Plastic and Food Wastes	Environment	Event organization	EARD	Non-TA
Webinar on Institutional Reform of Yangtze River	Environment	Event organization	EARD	Non-TA
Webinar on Integrating Ecological Protection and Nature-Positive Recovery in the PRC's 14th Five-Year Plan	Environment	Event organization	EARD	TA 9734
Webinar on Nature-Positive Stimulus Packages amid Recovery from COVID-19	Environment	Event organization	EARD	Non-TA
Webinar on Yangtze River Protection Law	Environment	Event organization	EARD	TA 9734
Learning Session: Shandong Green Development Fund	Finance, climate change	Event organization	EARD	Non-TA
EARD Seminar: Gender and Government Consumption and Production	Gender	Event organization	EARD	Non-TA
Workshop: Making Local Taxes Less Taxing—Innovation in Domestic Resource Mobilization	Governance and public sector management	Event organization	EARD	Non-TA
Learning Session: Initiatives on Supporting PPPs under ADB Sovereign Projects—Experiences and Lessons from the PRC Elderly Care PPP Projects	Governance and public sector management, private sector, health	Event organization	EARD	Non-TA
ADB-CIKD Webinar Series on COVID-19 Experiences and Lessons from the PRC	Health	Event organization	EARD	TA 9531
CIKD Seminar: The PRC's Health Response to COVID-19: Where Are We and What's Next	Health	Event organization	EARD	TA
Webinar: Digital Actions in the Age of COVID-19, Alibaba Group's Learning	Information and communication technology, health	Event organization	EARD	Non-TA
Webinar: Use of Digital Solutions in Tackling COVID 19: Case of Hong Kong, PRC	Information and communication technology, health	Event organization	EARD	Non-TA
Workshop on Poverty Reduction and Sustainable Development	Poverty, social development, and protection	Event organization	EARD	Non-TA

Title of Publication or Event	Subject	Type	Department or Sector Group or Thematic Group	Funding Source
5th CAREC Think Tank Development Forum	Regional cooperation and integration	Event organization	EARD	TA
North-East Asia Development Cooperation Forum	Regional cooperation and integration	Event organization	EARD	TA
EARD Seminar: Returning Migrants in the PRC: Challenges and Perspectives—Evidence from Chongqing	Social development and protection, governance and public sector management	Event organization	EARD	Non-TA
EARD Seminar: Healthy and Age-Friendly Cities in the PRC	Urban development	Event organization	EARD	Non-TA
International Workshop on Healthy City	Urban development	Event organization	EARD	TA
EARD Seminar on WASH	Water, health	Event organization	EARD	Non-TA
Gender Monitoring System Training	Gender	Training event	EARD	Non-TA
Total number of publications = 41				
Total number of events = 33				

ADB = Asian Development Bank; ADO = Asian Development Outlook; CAREC = Central Asia Regional Economic Cooperation; CIKD = Center for International Knowledge on Development; COVID-19 = coronavirus disease; DG = director general; DOC = Department of Communications; EARD = East Asia Department; ERCD = Economic Research and Regional Cooperation Department; IT = information technology, OAS = Office of Administrative Services; ORM = Office of Risk Management; PPP = public-private partnership; PRC = People's Republic of China; PRCM = PRC Resident Mission; SDCC = Sustainable Development and Climate Change Department; SERD = Southeast Asia Department; TA = technical assistance; WASH = water, sanitation and hygiene.

Source: Asian Development Bank.

Table A5.3: Innovation, Advanced Technology, and Pilot Initiatives to be Implemented in 2021

Item	Nature	Project Number	Sector or Theme	Division
Applying Nature-Positive Approaches in Post COVID-19 Economic Recovery that Emphasizes Green Development to Promote More Sustainable Management and Use of Natural Resources	INO		Agriculture and natural resources, environment	EAER
Applying a Programmatic Approach to the Yellow River Ecological Corridor for Integrated Natural, Human, Social and Physical Capital Development	INO	54026	Multi sector	EAER
Promoting Ecological Agriculture Including Green Production, Climate Adaptation and Circular Waste Management Approaches.	INO	Multiple	Agriculture and natural resources,	EAER
Establishing an Integrated Smart Disaster Risk Management System for Early Warning to Inform Countywide Disaster-related Decision-making	PLT		Agriculture and natural resources, environment	EAER
Green Finance Mechanisms for Ecological Protection and Argo-ecological Green Development in the PRC	PLT	52026	Agriculture and natural resources, environment, and finance	EAER
Application of Blockchain Technology in ETS Development	PLT	TA 9574	Climate change	EASI
Total number of innovation, advanced technology, and pilot initiatives = 6				

COVID-19 = coronavirus disease; EAER = East Asia Environment, Natural Resources and Agriculture Division; EASI = East Asia Sustainable Infrastructure Division; ETS = emissions trading systems; INO = innovation; PLT = pilot initiative; PRC = People's Republic of China; TA = technical assistance.

Source: Asian Development Bank.