

BUSINESS  
OPPORTUNITIES  
FAIR



ADB Headquarters, Manila, Philippines



# 7<sup>th</sup> ADB Business Opportunities Fair

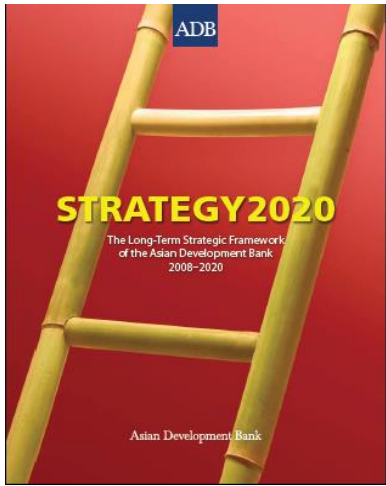
Education Sector – SDCC

Brajesh Panth, Technical Advisor (Education)

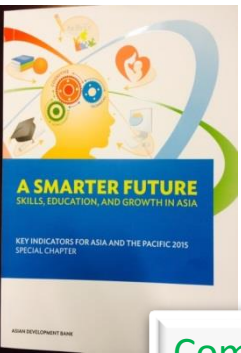
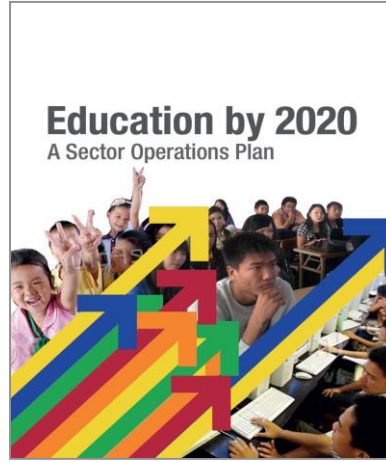
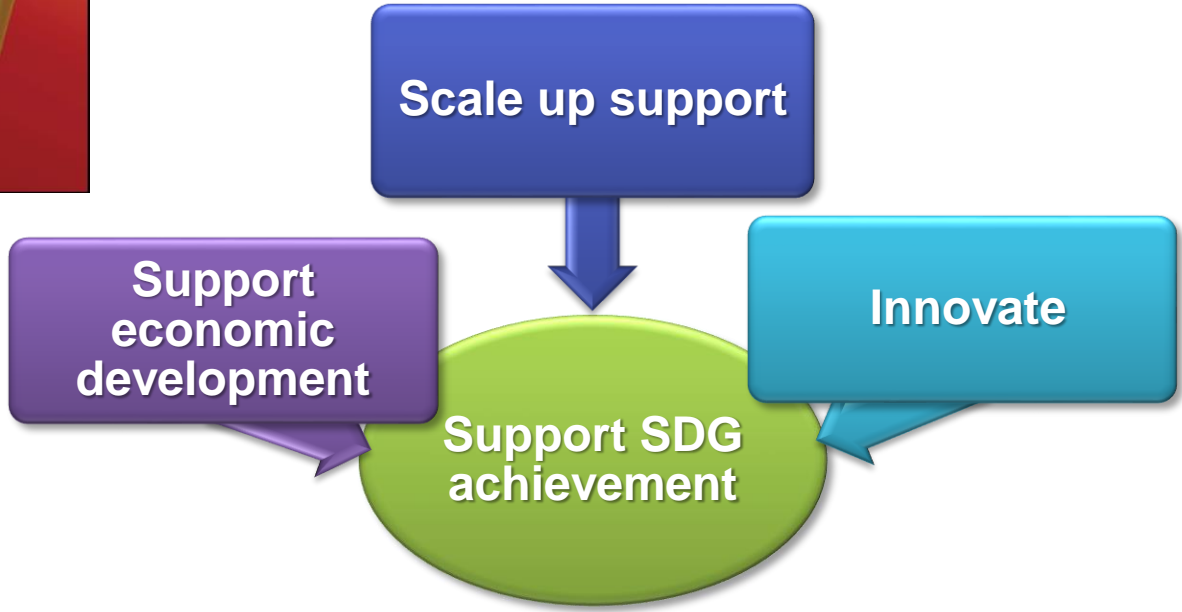
17 March 2016

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ADB



# Education Sector Group Vision



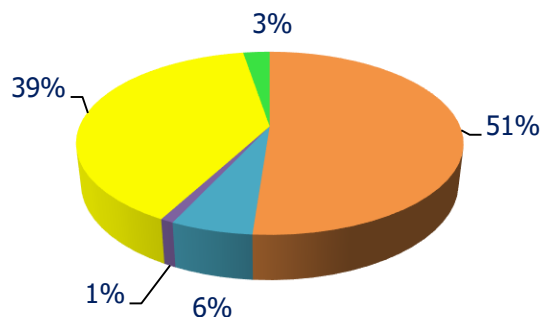
- Competitiveness
- Demography
- Technology
- Urbanization/ Climate Change
- Labor Mobility

**Strategy: Align with current and future needs**

# Demand for Education is Growing

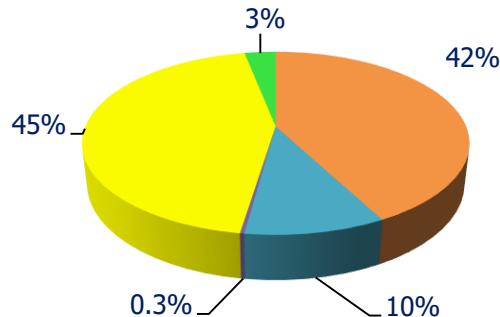
By Region

**2009-2011**  
(US\$1.284 billion)

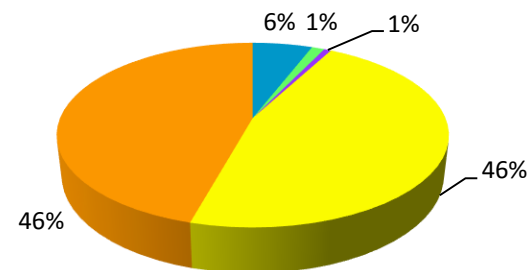


■ Southeast Asia   
 ■ East Asia   
 ■ Pacific   
 ■ South Asia   
 ■ Central and West Asia

**2012-2014**  
(US\$1.760 billion)

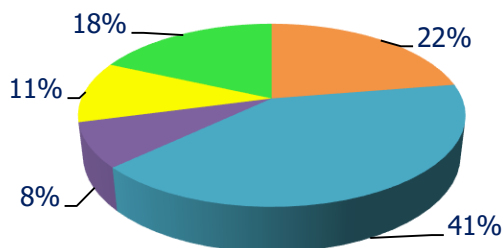


**2015-2017**  
(US\$3.917 billion)

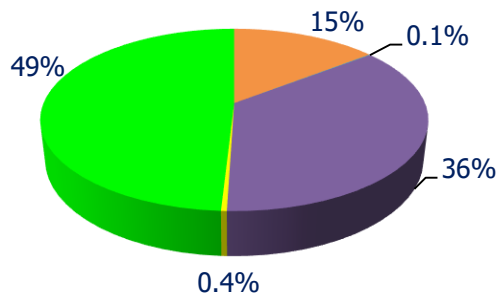


By Subsector

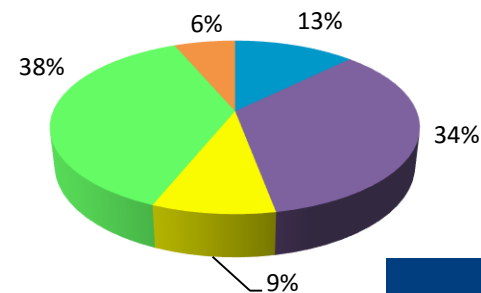
**2009-2011**  
(US\$1.284 billion)



**2012-2014**  
(US\$1.760 billion)



**2015-2017**  
(US\$3.917 billion)



■ Broad Education Sector Development   
 ■ Pre-Primary and Basic Education   
 ■ Upper Secondary Education   
 ■ Tertiary and Higher Education   
 ■ Technical and vocational education and training



# Focus on Innovation

## Leverage ICTs and e-learning

- ICTs for teaching and learning (BAN, NEP, PAC)

## Promote PPPs

- Integrating PPP solutions (BAN, IND, PHI)

## Anticipate demand

- Science and Technology (NEP, SRI, THA)
- New workforce (MYA)

## Regional Cooperation & Integration

- PRC
- ASEAN

## Adapt financing modalities to contexts

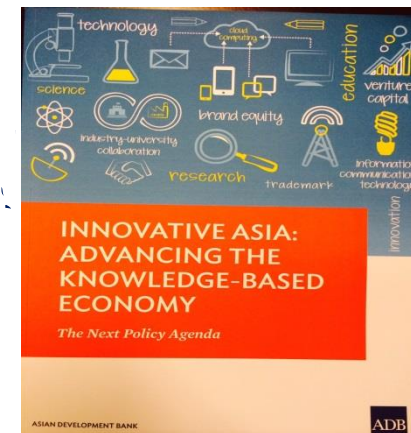
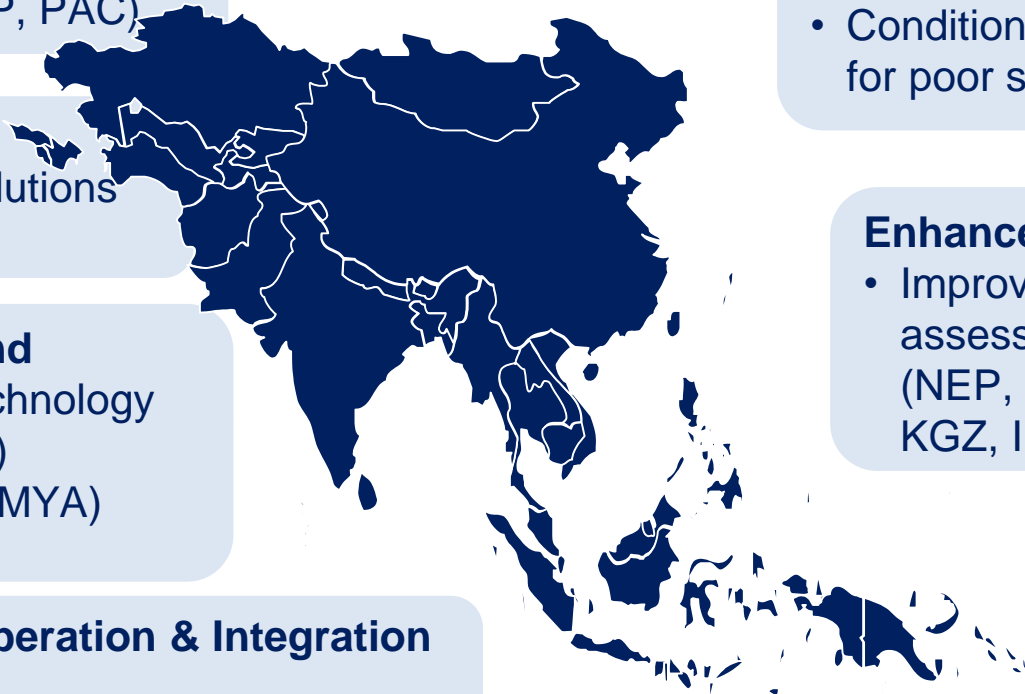
- Increase use of RBL (SRI, IND, PHI and PRC) and MFF (PAC and BAN)

## Financial incentives

- Girls' retention rates (BAN)
- Conditional Cash Transfers for poor students (PHI)

## Enhance quality

- Improve national student assessment systems (NEP, BAN, SRI, VIE, KGZ, INO)



# Education Projects (Loans and Grants) Approved in 2014

DMC	Project Name	Division	Project Lead	Approved Amount (\$million)
KGZ	Strengthening Education System Sector Development Program (Education Reform Sector Development Project)	CWPF	J. Asanova	22.0
KGZ	Investment Climate Improvement-Subprogram 3*	CWPF	R. Barreto	2.8
PRC	Guangxi Baise Vocational Education Development	EASS	W. Walker	50.0
PRC	Gansu Baiyin Integrated Urban Development Project*	EASS	S. Ishii	2.6
MON	Skills for Employment	EASS	A. Maruyama	25.0
REG (PARD)	Higher Education in the Pacific Investment Program - Tranche 1 (Additional Financing)	PAUS	C. Thonden	1.0
TON	Cyclone Ian Recovery Project*	SPSO	M. Paniagua	2.2
BAN	Skills for Employment Investment Program (\$350M MFF) PFR1	SAHS	B. Panth	100.0
IND	Kerala Additional Skill Acquisition Program (formerly Supporting Skill Acquisition Program in Kerala)**	SAHS	S. Chakravarti	100.0
SRI	Skills Sector Enhancement Program	SAHS	G. Song	100.0
CAM	Second Strengthening Technical and Vocational Education	SEHS	N. LaRocque	30.0
PHI	Senior High School Support Program (formerly Education Improvement Sector Development Program)	SEHS	N. LaRocque	300.0
VIE	Second Lower Secondary Education for the Most Disadvantaged Areas Project	SEHS	E. Izawa	80.0
IND	Rural Education Project	PSIF1	A. Patil	2.0
			<b>Total</b>	<b>817.6</b>

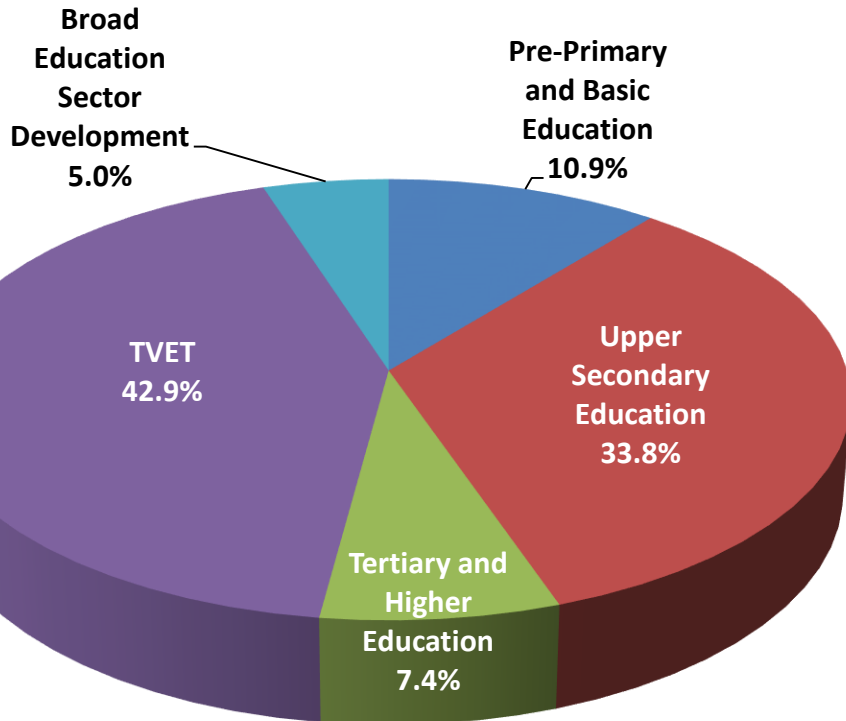
\*Multisector project with Education sector component

\*\*with accompanying Capacity Development TA (JFPR) amounting to \$1.5million

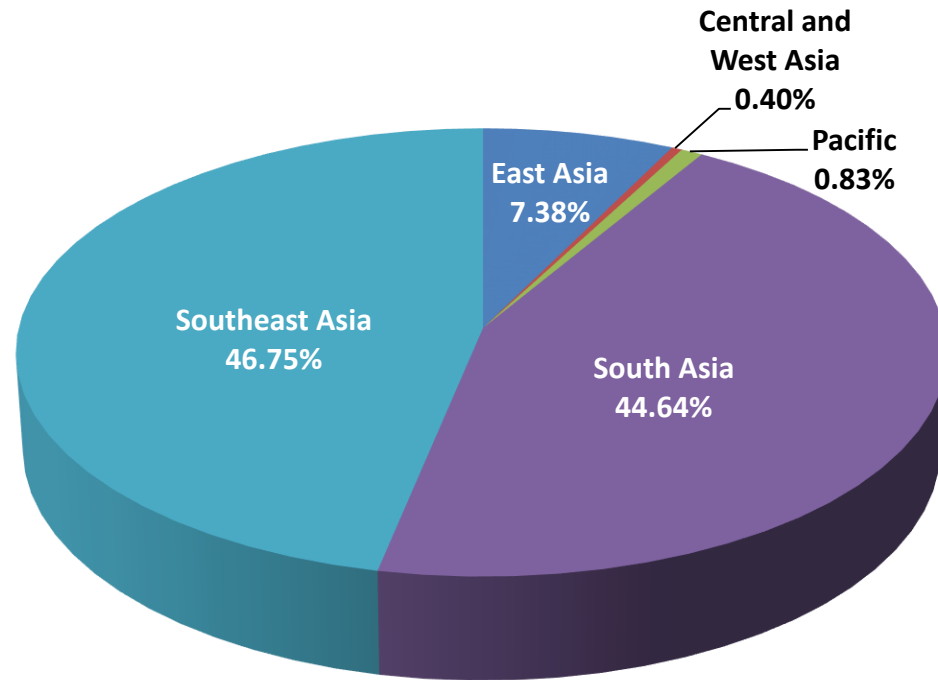
# Education Projects (Loans and Grants) Approved in 2015

DMC	Project Name	Division	Project Lead	Approved Amount in \$million	
ARM	School Seismic Safety Improvement Program*	CWUW	Y. Ye	17.9	
KGZ	Second Investment Climate Improvement Program, Subprogram 1*	CWPF	P. Sood	1.5	
TAJ	Strengthening Private Sector Participation in TVET	CWPF	A. Mukhamedyarova	30.0	
PRC	Beijing-Tianjin-Hebei Air Quality Improvement-Hebei Policy Reforms Program*	EASS	S. Ishii	1.7	
PRC	Guizhou Vocational Education Development Program	EASS	S. Shakil	150.0	
BAN	Additional Financing for PEDP III	SAHS/BRM	B. Chin/ R. van Dael	120.0	
BAN	Secondary Education Sector Investment Program (\$500M-MFF)-PFR 2	SAHS	E. Tajima	185.0	
NEP	Earthquake Emergency Assistance Project*	SAUW	V. Castro-Wooldridge	80.0	
*Multisector program/project with education component				<b>Total</b>	<b>586.0</b>

# 2016-2018 Education Loans and Grants Pipeline (US\$5,006.6 million)



By Subsector



By Region

## 2016 Education Sector Pipeline by Region

DMC	Project Name	Total in \$ million	Approval Date		Approval No.
			Expected	Actual	
<b>East Asia (EARD)</b>					
MON	Ensuring Inclusiveness and Service Delivery for Persons with Disabilities*	7.5			
<b>Pacific (PARD)</b>					
REG	Higher Education in the Pacific Investment Program - Tranche 2	15.4	30-Oct-16		
<b>South Asia (SARD)</b>					
BAN	Skills for Employment Investment Program - PFR 2	100.0	Oct 2016		
IND	Skills Development in Himachal Pradesh	80.0	Nov 2016		
IND	Odisha Skills Development Project	110.0			
NEP	Supporting School Sector Development Program	100.0	Jun 2016		
<b>Southeast Asia (SERD)</b>					
CAM	Upper Secondary Education Development Program (formerly Strengthening Secondary Education and Teaching of Math and Science Program)	45.0	09-Aug-16		
INO	Education Sector Improvement Program I	300.0	30-Nov-16		
LAO	Second Strengthening Higher Education Development Project	40.0	30-Sep-16		
LAO	Second Technical Vocational Education and Training Project	25.0	15-Aug-16		
MYA	Preparing Youth for the Workplace Sector Development Program	25.5	22-Jul-16		
PHI	Facilitating Youth-to-School Transition Program*	120.0			
PHI	Social Protection Support Project - Additional Financing*	175.0		15-Feb-16	L3369
THA	Infrastructure Development for Research and Technology	300.0			
VIE	Second Secondary Education Sector Development Program (SDP)	100.0	Sep 2016		
*Multisector program/project with education component		<b>Total</b>	<b>1,543.4</b>		



## 2017 Education Sector Pipeline by Region

DMC	Project Name	Total in \$ million
<b>EARD</b>		
MON	Inclusive Rural Education Support	50.0
PRC	Hebei Elderly Care Service System Development*	20.0
PRC	Xinjiang Changji Integrated Urban-Rural Infrastructure Demonstration*	1.8
<b>PARD</b>		
REG	Improving Quality of Basic Education Project	11.4
<b>SARD</b>		
BAN	Secondary Education Sector Investment Program - (\$500M MFF) PFR 3	225.0
BAN	Skills for Employment Investment Program - Tranche 3	150.0
BAN	IT Park for Employment	250.0
IND	Madhya Pradesh Skills Development Project	150.0
NEP	Strengthening Higher Engineering Education	70.0
SRI	Science and Technology Human Resource Development Program	100.0
SRI	Skills Sector Enhancement Program II -Additional Financing	100.0
<b>SERD</b>		
CAM	Education and Knowledge Development for Sustainable Growth	60.0
INO	General Education Sector Improvement Program	400.0
VIE	Second Secondary Education Sector Development Program (PBL)	100.0
VIE	Skills and Knowledge for Inclusive Economic Growth	100.0
<b>Total</b>		<b>1,788.2</b>

\*Multisector program/project with education component

## 2018 Education Sector Pipeline by Region

DMC	Project Name	Total in \$million
<b>Central and West Asia (CWRD)</b>		
KGZ	Education Reform Project	20.0
<b>EARD</b>		
MON	High School Development	30.0
PRC	Heilongjiang Coal-Rich Cities Redevelopment*	10.0
PRC	Guangxi Modern TVET Development Demonstration	250.0
<b>PARD</b>		
REG	Higher Education in the Pacific Investment Project	15.0
<b>SARD</b>		
IND	Supporting the Ministry of Skill Development and Entrepreneurship	500.0
NEP	Skills Development	100.0
SRI	Education Sector Development II	200.0
<b>SERD</b>		
PHI	Second Education Sector Improvement Program	300.0
PHI	Social Protection Support Program*	150.0
VIE	Education and Skills Sector Development	100.0
<b>Total</b>		<b>1,675.0</b>

\*Multisector program/project with education component

# Education Knowledge Products 2015

## INTEGRATED INFORMATION AND COMMUNICATION TECHNOLOGY STRATEGIES FOR COMPETITIVE HIGHER EDUCATION IN ASIA AND THE PACIFIC

Jouko Sarvi • Mitendra Pillay

ASIAN DEVELOPMENT BANK

## TRANSITIONS TO K-12 EDUCATION SYSTEMS: EXPERIENCES FROM FIVE CASE COUNTRIES

Jouko Sarvi • Fredi Mungler • Mitendra Pillay

ASIAN DEVELOPMENT BANK

## INNOVATIONS IN KNOWLEDGE AND LEARNING FOR COMPETITIVE HIGHER EDUCATION IN ASIA AND THE PACIFIC

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## HUMAN CAPITAL DEVELOPMENT

IN THE PEOPLE'S REPUBLIC OF CHINA AND INDIA: ACHIEVEMENTS, PROSPECTS, AND POLICY CHALLENGES

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## THE ROLE OF COMMUNITY COLLEGES IN SKILLS DEVELOPMENT

LESSONS FROM THE CANADIAN EXPERIENCE FOR DEVELOPING ASIA

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## CHALLENGES AND OPPORTUNITIES FOR SKILLS DEVELOPMENT IN ASIA

CHANGING SUPPLY, DEMAND, AND MISMATCHES

Sungsup Ra • Brian Chin • Amy Liu

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## INNOVATIVE STRATEGIES IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING FOR ACCELERATED HUMAN RESOURCE DEVELOPMENT IN SOUTH ASIA

BANGLADESH

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NO. 48  
OCTOBER 2015

## ADB BRIEFS

### OPEN EDUCATIONAL RESOURCES: ENHANCING EDUCATION PROVISION AND PRACTICE

Jouko Sarvi • Gung Chenyang • Mitendra Pillay  
Advisor (Education) • Consultant • Consultant  
Asian Development Bank • Asian Development Bank • Asian Development Bank

**KEY POINTS**

- Adopting OER aligns with the Sustainable Development Goals, and can help countries meet their education needs.
- OER can be used to enhance the quality of education and improve learning outcomes.
- OER can be used to improve the quality of education and improve learning outcomes.

**INTRODUCTION**

Open educational resources (OER) is a disruptive technology made first appearance in early 2002 as a concept used for enhancing the quality of education in developing countries. The term 'open educational resources' (OER) was coined to refer to the potential to reduce costs by using learning materials. The first OER was a study that explored the use of OER and related activities in universities in Hong Kong, China, India, Mexico, Pakistan, and Thailand.

**WHAT ARE OPEN EDUCATIONAL RESOURCES?**

OER has been variously defined. One definition refers to a set of educational content (digital or physical) that is available to all users. OER may include:

- All OER typically is free to access but can be sold or rented, although it can be used for commercial purposes.
- OER may include textbooks, course materials, and other learning content.
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## ADB BRIEFS

### K-12 TRANSITIONS: APPROACHES AND LESSONS LEARNED

Jouko Sarvi • Fredi Mungler • Mitendra Pillay  
Advisor (Education) • Consultant • Consultant  
Asian Development Bank • Asian Development Bank • Asian Development Bank

**KEY POINTS**

- K-12 transitions are a complex process that involves multiple stakeholders and requires a coordinated effort.
- K-12 transitions are a complex process that involves multiple stakeholders and requires a coordinated effort.

**WHY K-12?**

More than 140 countries offer what has become the international term for preprimary education widely recognized through the UNICEF Quality Improvement Network (QIN). However, research points to the long-term learning and social benefits of preprimary education. This brief explores the challenges of K-12 transitions and offers a set of guiding principles to inform the design and implementation of K-12 transitions.

**INTRODUCTION**

The study findings were synthesized in a brief study, resulting in five main findings:

- **Expanding the system.** This group includes countries that previously offered only 1 or 2 years of schooling. This group has expanded the number of years of schooling to 6-7 years.
- **Expanding the system.** This group includes countries that previously offered only 1 or 2 years of schooling. This group has expanded the number of years of schooling to 6-7 years.

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NO. 49  
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## ADB BRIEFS

### PUBLIC-PRIVATE PARTNERSHIPS IN INFORMATION AND COMMUNICATION TECHNOLOGY FOR EDUCATION

Jouko Sarvi • Mitendra Pillay • Consultant  
Asian Development Bank • Asian Development Bank • Asian Development Bank

**KEY POINTS**

- A growing number of PPPs have been established in the field of ICT for education.
- A growing number of PPPs have been established in the field of ICT for education.

**INTRODUCTION**

Public-private partnerships (PPPs) have gained a lot of attention from governments around the world to leverage private sector investment in developing and expanding public infrastructure and services. PPPs have been the subject of many studies and reports, and have been used to build schools, hospitals, and other infrastructure. This brief explores the challenges of PPPs in the field of ICT for education and offers a set of guiding principles to inform the design and implementation of PPPs in the field of ICT for education.

**ASIAN DEVELOPMENT BANK**

## A SMARTER FUTURE

SKILLS, EDUCATION, AND GROWTH IN ASIA

KEY INDICATORS FOR ASIA AND THE PACIFIC 2015 SPECIAL CHAPTER

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## INNOVATIVE STRATEGIES IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING FOR ACCELERATED HUMAN RESOURCE DEVELOPMENT IN SOUTH ASIA

SRI LANKA

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NO. 469  
December 2015

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Satiko Saito, Christopher Smith, and Sanku D'Erasmo

ASIAN DEVELOPMENT BANK

## INNOVATIVE STRATEGIES IN TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING FOR ACCELERATED HUMAN RESOURCE DEVELOPMENT IN SOUTH ASIA

NEPAL

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## Getting the Basics Right

QUALITY PRIMARY EDUCATION IN THE NORTH PACIFIC

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