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12TH ASIAN DEVELOPMENT BANK BUSINESS OPPORTUNITIES FAIR 2024

9–10 OCTOBER 2024 | 9 A.M. to 5 P.M. | ADB HEADQUARTERS, MANILA

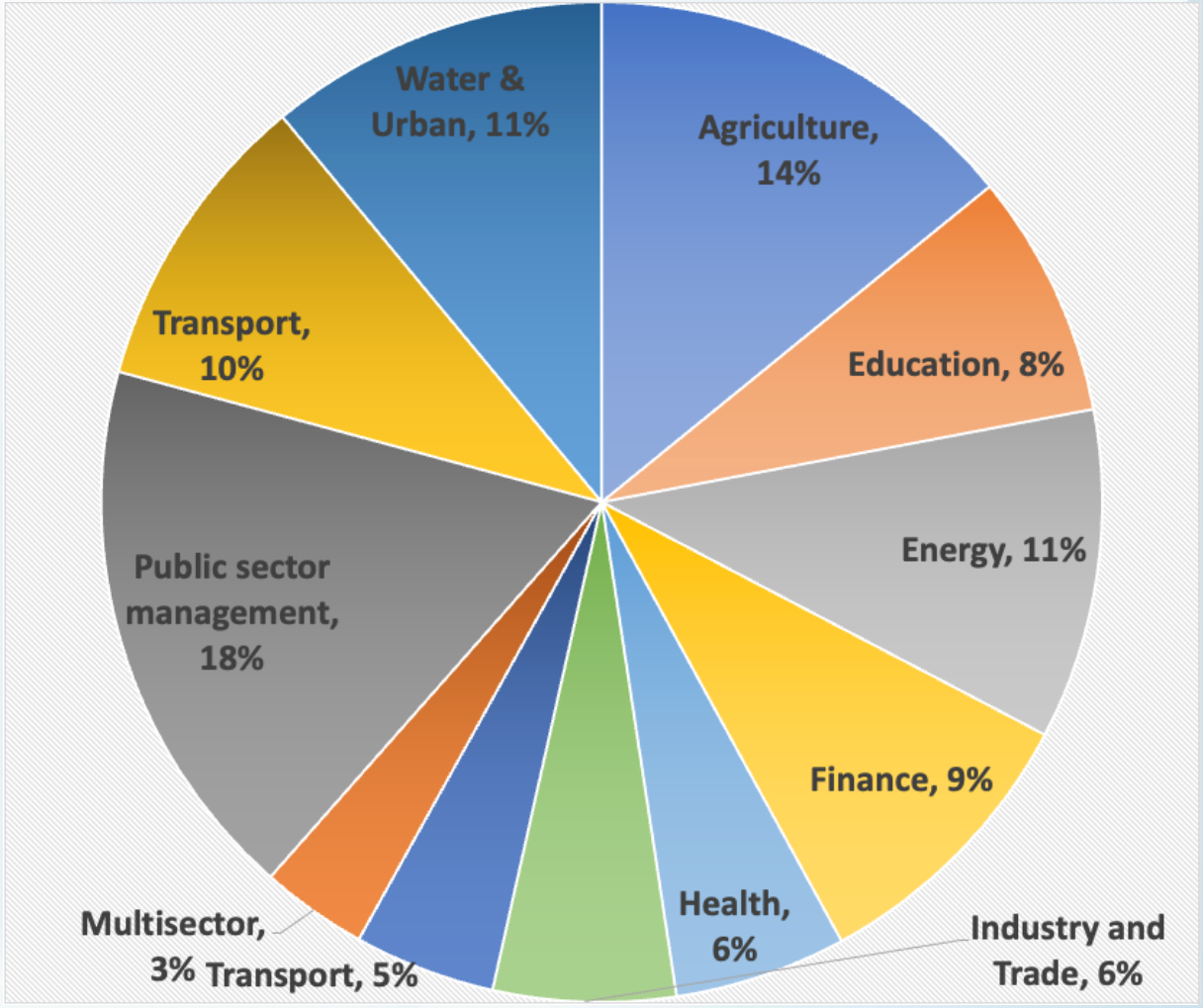
Digital Technology for Development

Yoonee Jeong
CCDT

10 OCTOBER 2024

Digital Technology in ADB Operations

Approved projects with DT components*, by sector 2010-2023 (%)



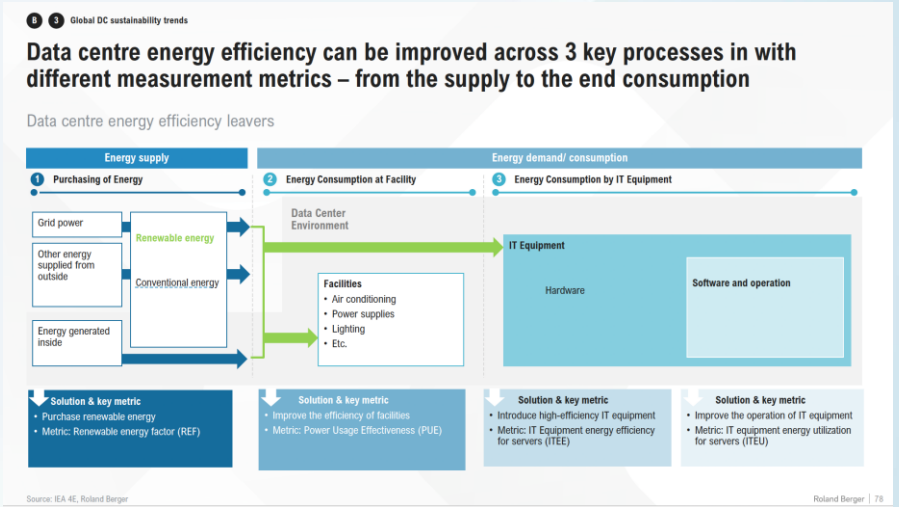
*Sov & NSO loans and TAs has DT as a major output or a means to achieve one (at the project approval stage)

Digital Infrastructure

Connecting the unconnected

- Last-mile school connectivity support
- Satellite Demand Study for the Public Sector in the Philippines
- Advisory support on fiber co-deployment and sharing for transport and energy projects

Green digital infrastructure



- Market Research on Data Center Industry
- Market engagement and clinics

Digital Government

eGov in Sectors

- KGZ: TA-6850: Urban Sector Development Project - **building permit system**
- MON: TA 10005: Supporting Quality Infrastructure Investment in Ulaanbaatar – **building permit system**
- PHI: TA 10209: Supporting the Digital Transformation of the Civil Service – **HR management information system**
- IND: Loan 4166: Assam Skill University Project – **digital campus**

Digital Public Infrastructure

- KAZ: Action Plans for Developing National Spatial Data Infrastructure (**NSDI**)
- TAJ: Pre-Feasibility Study for Developing **NSDI**
- ARM: Supporting **NSDI** development
- CAM: Advisory service to **National ID** and **NSDI** development
- TIM: **e-Government infrastructure** – PFS on data center and digital connectivity
- TAJ : **National Payment Infrastructure** and ID integration

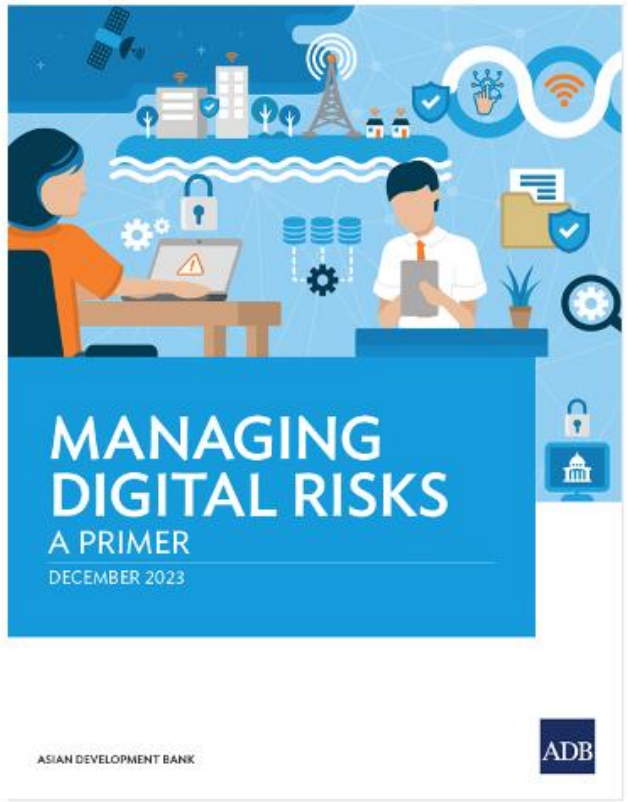
Whole-of-Government

- CAM: **Digital Government Policy** 2022-2035

Digital Social Protection

- ARM: e-Disability system
- BAN: assessment on Grievance Redress System (GRS)
- CAM: **integrated social registry** and pilot
- INO: monitoring system
- MON: developing accreditation system of specialized care service
- PHI: mobile apps for field workers and e-GRS in 4Ps
- SRI: initial assessment

Digital Development and Safeguard Policies

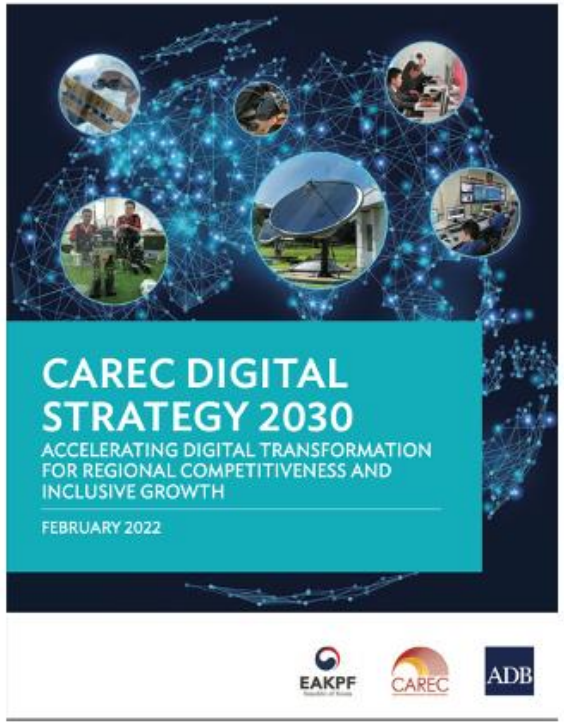


Regional TA "Support to Capacity Building and Implementation for Cybersecurity in DMCs"

- **Azerbaijan**: Transport sector, Railway Digitalization project
- **Cambodia:** Finance sector, PBL and related TA
- **Indonesia**: Finance sector, PBL and related TA for Innovative Financial Inclusion
- **PNG**: Establishment of Finance Sector computer emergency response team
- **Samoa**: Implementation of country assessment and promotion of cybersecurity in Finance sector

Digital regional integration

CAREC

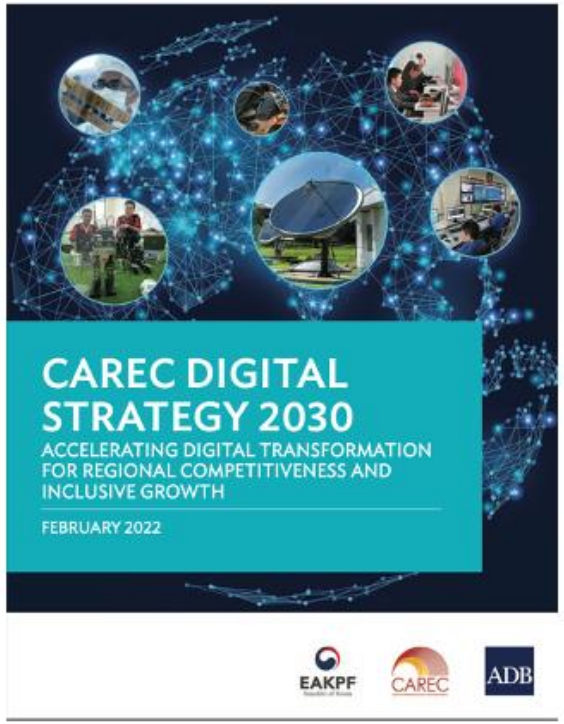


GMS

Digital regional integration

Digital regional integration

CAREC



GMS

Artificial Intelligence

1. AI Solution Development
2. AI Education & Capacity Building
3. AI Knowledge Products
4. AI Knowledge Events

AI Solution Development

BAN: Supporting 4th Primary Education Development Program:

- GenAI-powered ChatGPT-style educational chatbot for PE teachers
- Automation of teaching tasks
  - Generating lesson plan, teaching material, and questions
- **(Planned)** User test / Pilot tentatively scheduled for April

ATAL: AI Teaching Assistant for Language

AI Survey and Ideation session

AI Education and Capacity Building

REG : Digital Development Facility for Asia and the Pacific

- **(Planned)** AI/DT training for primary education teachers and education officials of Bangladesh

MON: Support for Innovation in Education and Training (for approval in November 2024)

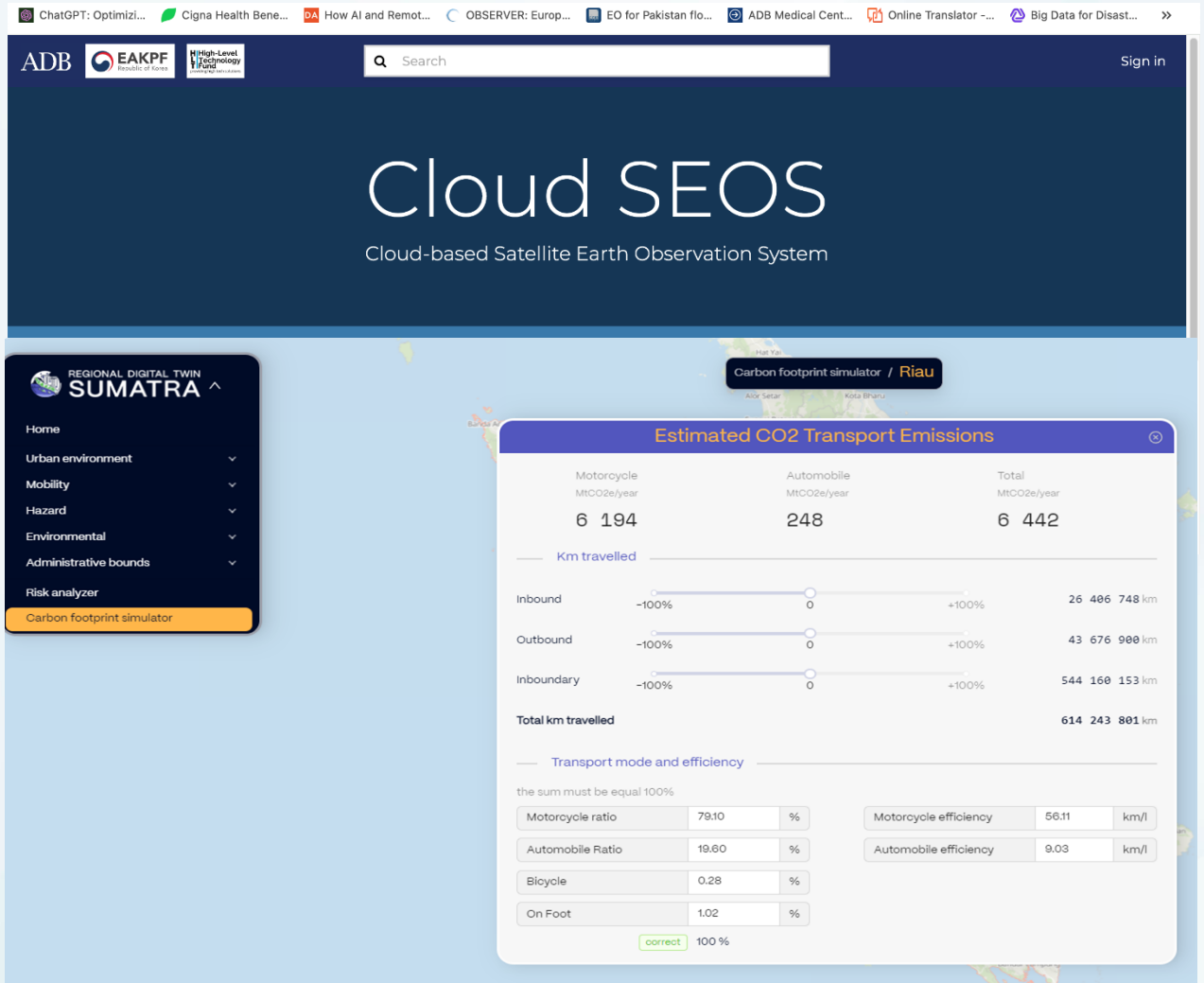
Output1: Teaching of STEM education strengthened

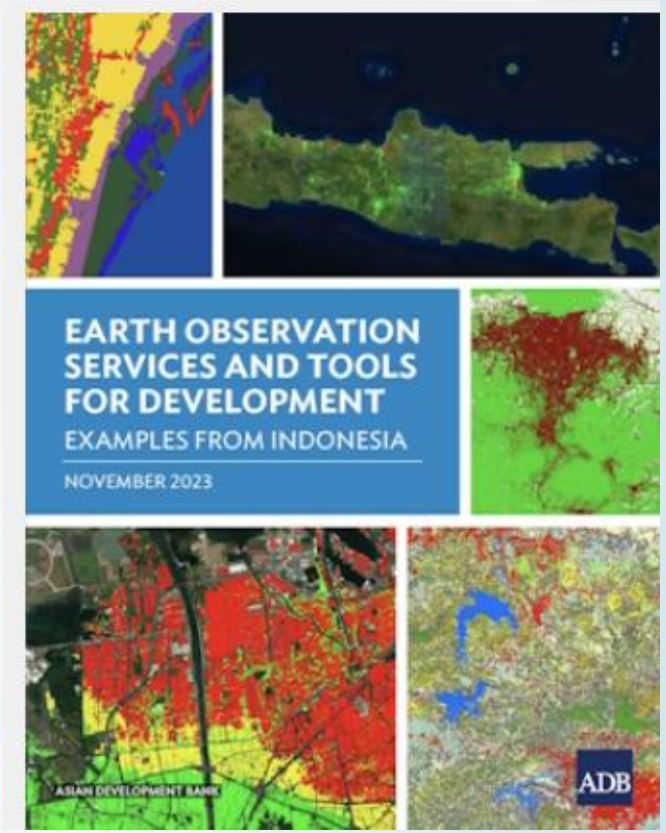
- AI literacy program development for K-12
- AI needs assessment for teachers
- AI-powered assistant solutions for teachers

GOVERNMENT OF MONGOLIA
MINISTRY OF EDUCATION AND SCIENCE

RAISE Initiative
Responsible AI for Social Empowerment and Education

Earth Observation/GIS





Thank you!