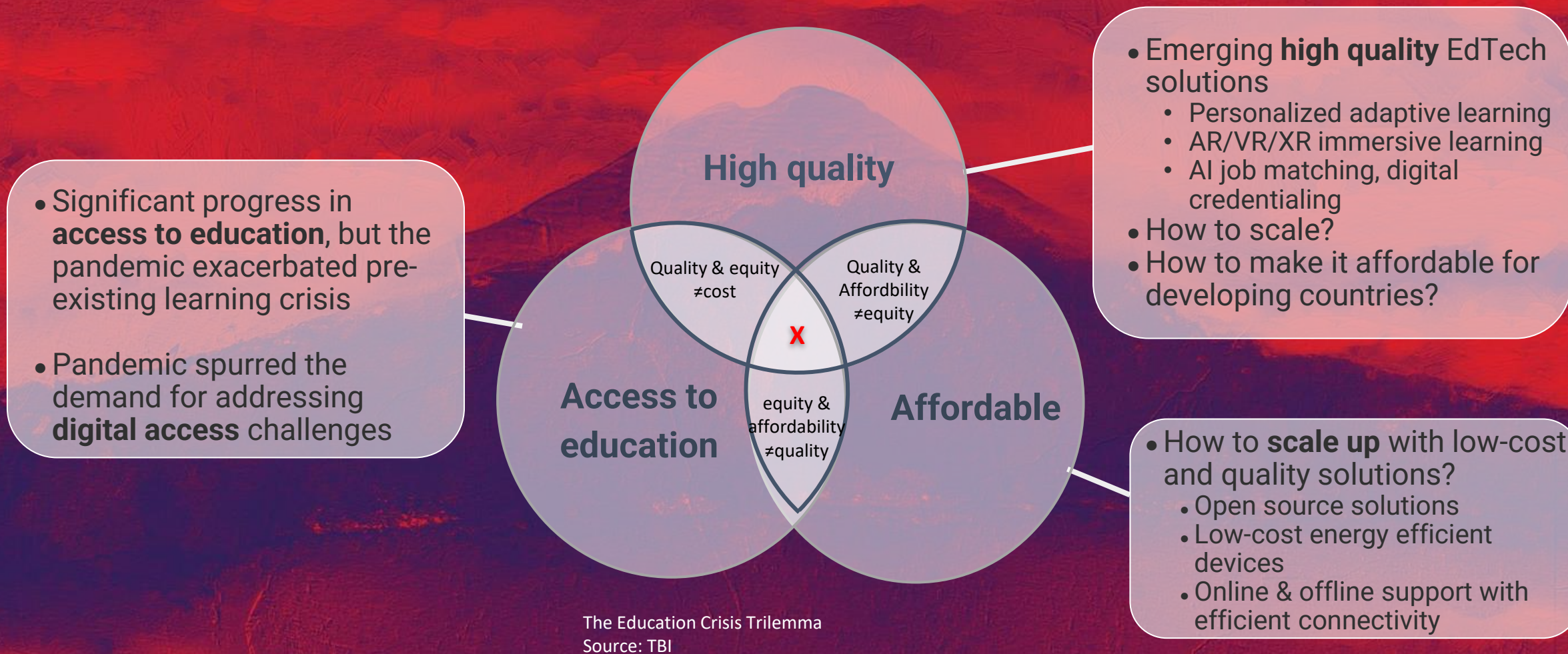


The Role of EdTech – Potential for Transforming Education

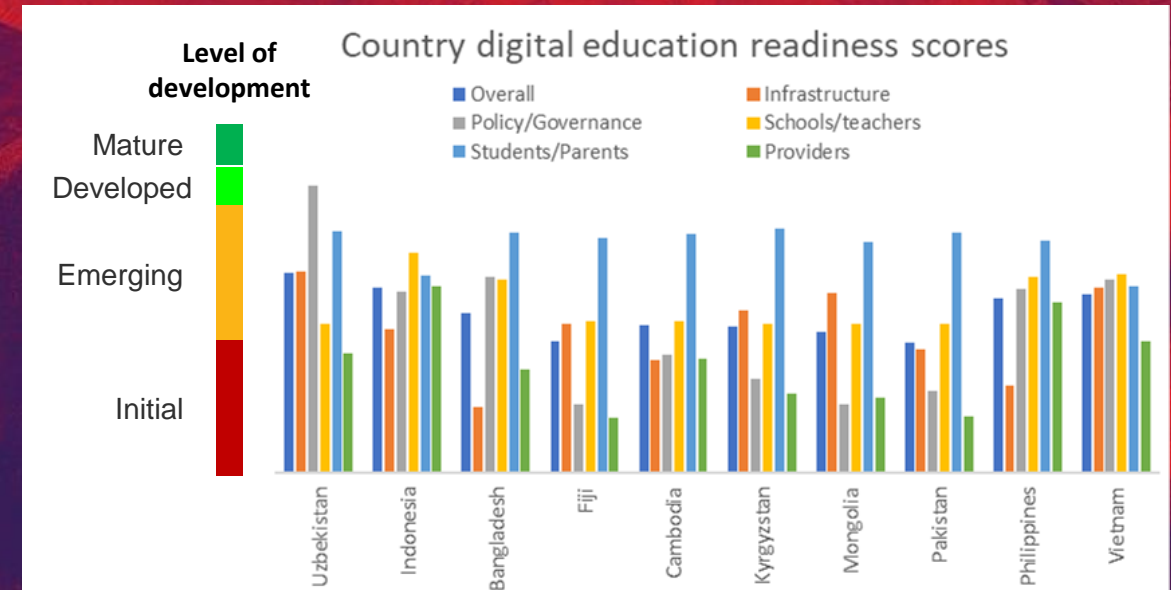
Brajesh Path, Chief of Education Sector, ADB
Jeffrey Xu, Sr. Education Specialist, ADB

Education Crisis Trilemma and EdTech



Where do we stand – Our DMC's Readiness?

- **Digital Education Readiness Framework (DERF):** It allows ADB to assess a country's digital readiness using a five-pillar concept.
- **DERF** has been applied in 10 DMCs to ascertain country-level strengths and weaknesses in readiness.
 - **Key findings:** All countries had significant gaps in infrastructure, EdTech platforms, teacher readiness, and policy support.
 - Understanding the gaps across different pillars helps countries to prioritize and allocate adequate budget and related resources for systematic improvement.



Source: ADB Digital Education Readiness Framework (DERF)



What are the opportunities for EdTech support?



Teaching & Learning

Learning
Content

Student
Engagement

Learning
Assessment

Teaching & Learning products have the potential to improve learning outcomes through improved access to content for **self-directed learning** and empowering teachers to build **student centered learning** with **continuous assessment**.



Education Governance

Management
Systems

Data & Evidence
Driven

Education Governance products enable **data-driven decision making** and optimised operation processes to enhance **efficiency** and **transparency**.



Employability & Entrepreneurship

Career Planning

Skills Qualification
& Pathways

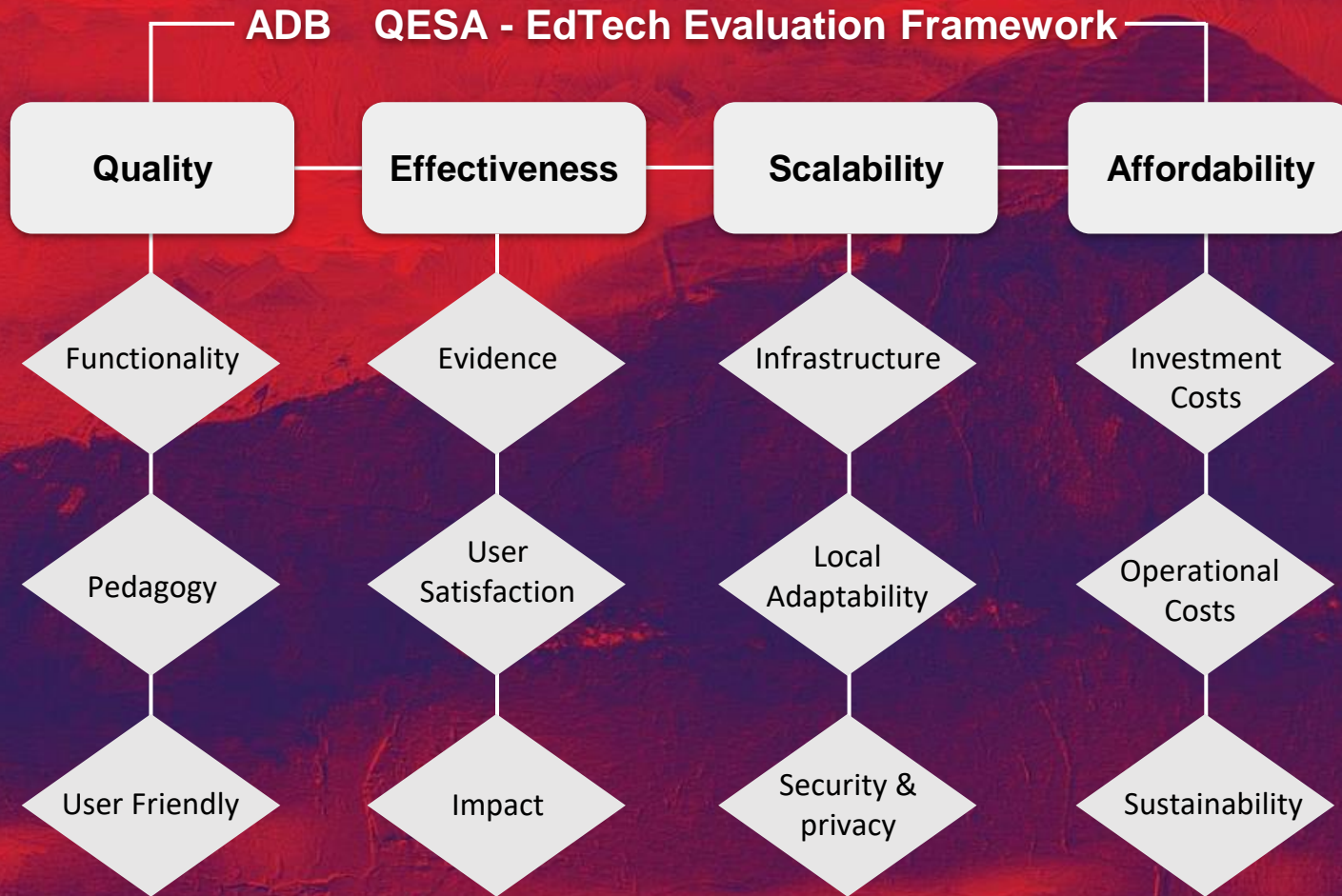
Lifelong Learning:
Upskilling & Reskilling

Employability and entrepreneurship products allow self-paced upskilling informed by data-based career planning, digital credentialing, and AI based job-matching in order to **improve the alignment of job-market needs and workforce talent management**.



How to implement EdTech in ADB DMCs?

ADB QESA - EdTech Evaluation Framework



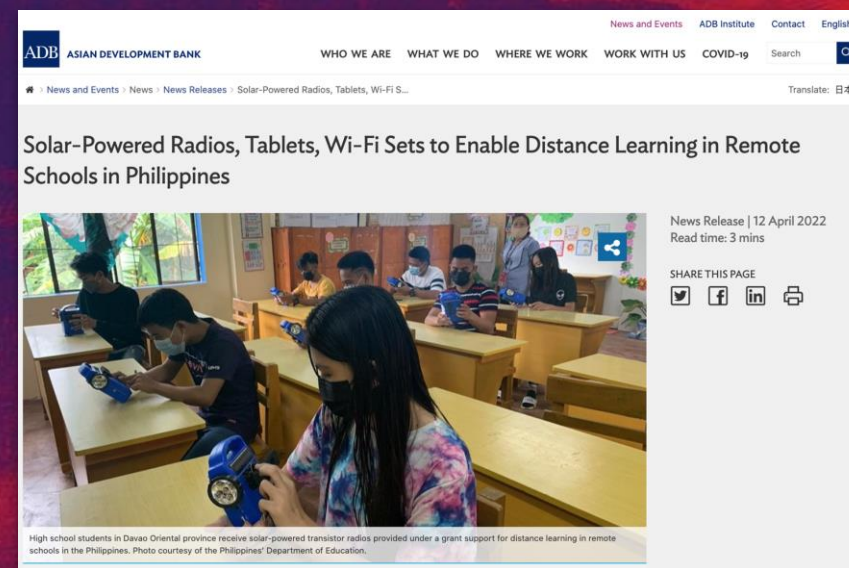
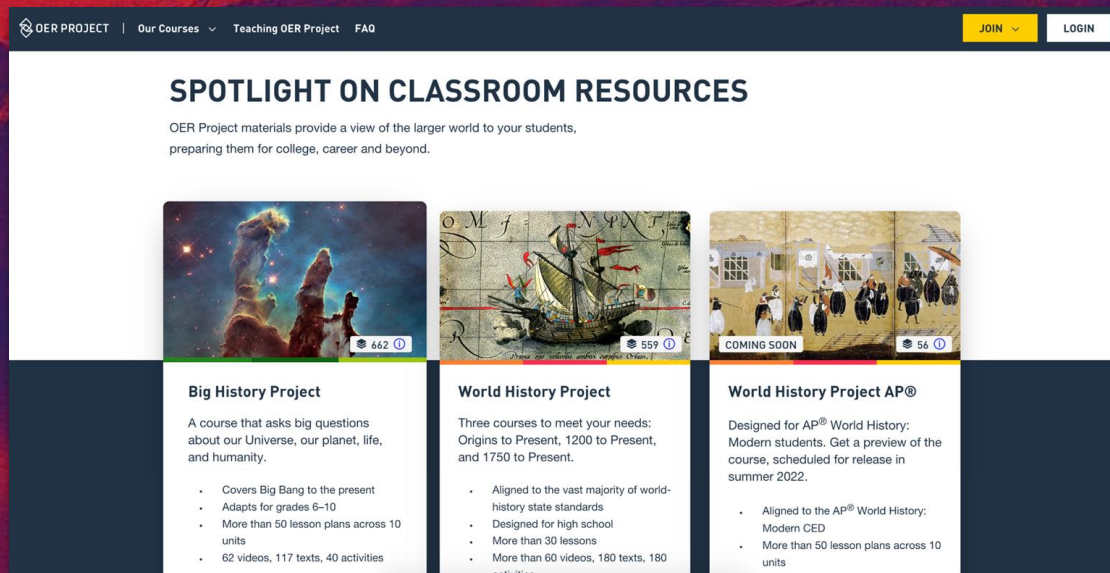
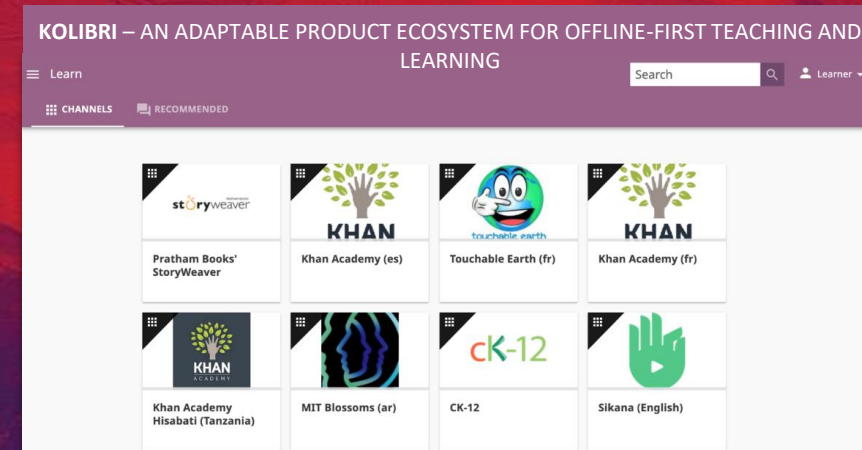
- The QESA EdTech evaluation framework (by ADB) guides to select solutions that can improve education and learning at scale with sustainable investments and operations.
- Evaluation and selection of solutions require finding an **optimal balance** between the four elements of *quality, effectiveness, scalability* and *affordability*.



ADB In Action – EdTech Projects in ADB DMCs



- Philippines: DepEd program in Last Mile Schools with solar powered tablets.
- Armenia: E-learning platform implementation in Armenia
- India: RBL School Education Program with digital learning solutions
- Indonesia: Blockchain based digital credentialing
- Cambodia: STEM & EdTech project with offline libraries, smart classrooms, digital empowered science centers
- Sri Lanka: Secondary Education Sector Development Program
- Southeast Asia EdTech Pilots: PHI, CAM, INO, VIE – low-cost scalable solutions that function well in low-tech environments



Partners and Resources on EdTech Research



ADB utilizes globally recognised EdTech resources. In EdTech, there are several institutions that do excellent research on the effective use of EdTech.

EdTech Hub

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