

Bringing Education Up to Speed

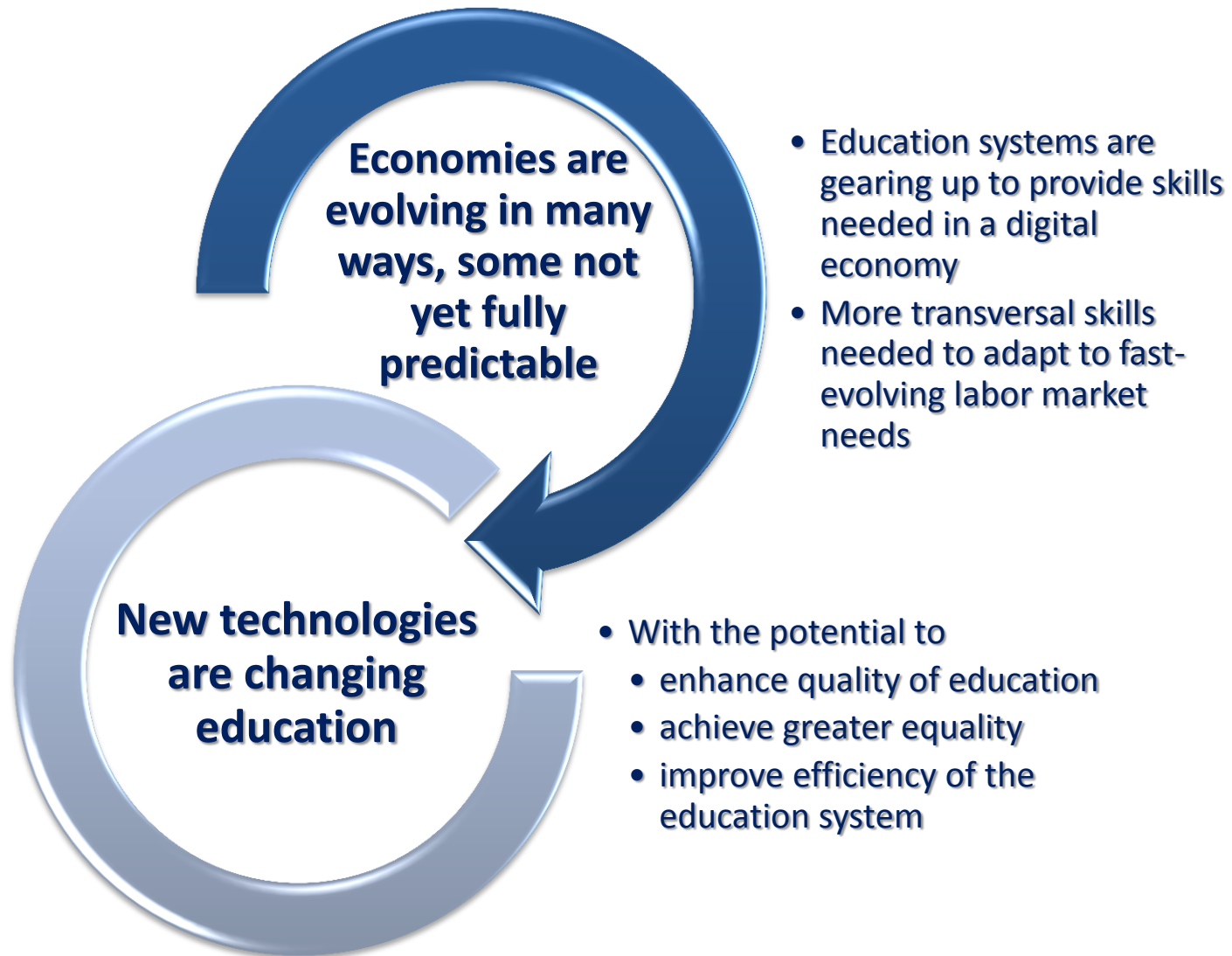
Tania Rajadel



Digital Strategies for
Development Summit 2015
Plenary Session 1

22 September 2015, Cebu City

A fast-evolving landscape



New technologies are changing education

- Broadening resources for teaching & learning
 - Open online resources
 - Repositories
 - Simulation tools
- Expanding access to education
 - Distance learning
 - e-learning
- Ushering in new pedagogical approaches
 - Blended learning
 - Self-paced learning
- Changing the way schools/universities are run
 - More flexible use of facilities
 - New tools for management and governance

ICT & ADB education operations



Improving education quality through ICT

E.g.

- e-learning software in Sri Lanka and Bhutan
- e-repository for teaching and learning in Samoa

Leveraging ICT for better access to education

E.g.

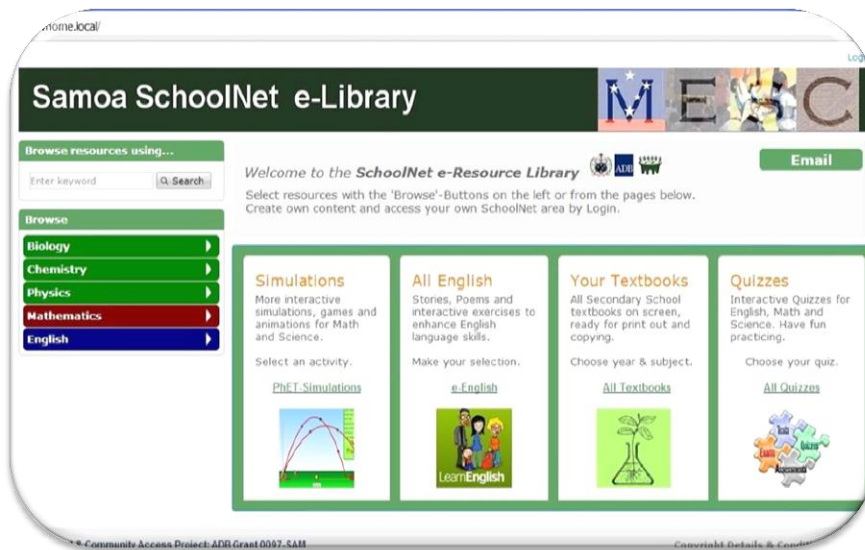
- e-learning for rural students in Mongolia
- distance learning for students in remote islands in the Pacific

Promoting STEM

E.g.

- Strengthening the University of Science and Technology in Hanoi, Viet Nam
- Promoting science streams in the Philippines

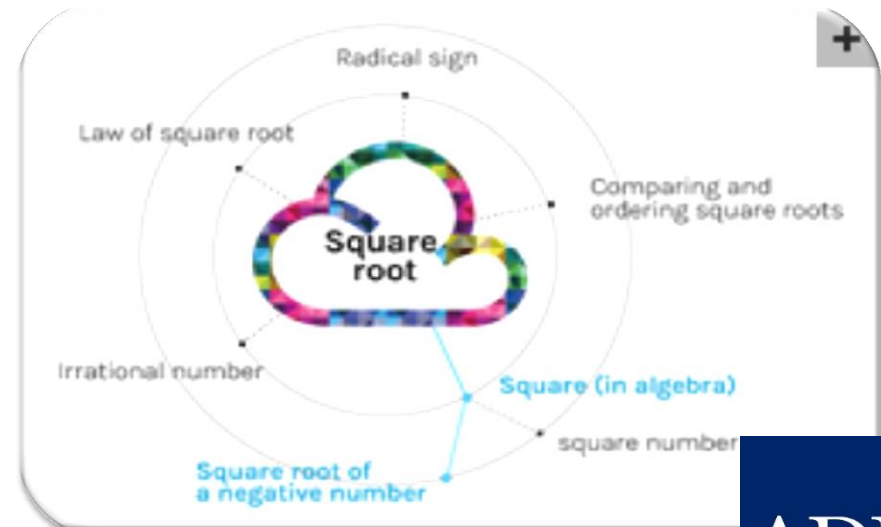
e-resources for better teaching & learning



A pilot Samoa SchoolNet project supported by ADB is helping improve the quality of education by providing a repository of teaching and learning material to support teacher professional development and expand student learning opportunities

ADB has partnered with MathCloud to promote student-led learning in math in Sri Lanka and Bhutan.

The software is translated and adapted to each country's curriculum. It provides real time feedback to students and teachers and tailors learning modules to students' pace of learning.



Distance learning for improved access



The University of the South Pacific is upgrading its IT system with support from ADB and JICA.

The aim is to improve access to undergraduate programs for students from remote outer islands. It will also familiarize them with communication technologies and tools that are increasingly used in the workplace.

ADB is supporting the modernization of higher education teaching and research facilities in Mongolia.

A pilot program is being developed to set up e-learning centers in rural areas and expand access to higher education to 2,000 rural students.



Developing new skills & knowledge



ADB is helping to strengthen and upgrade the University of Science and Technology in Hanoi, Viet Nam.

The project is helping to reinforce partnerships with the industry and the Viet Nam Academy of Science and Technology. It is also supporting the development of a solid science and technology curriculum that fosters innovation and cross-disciplinary work.

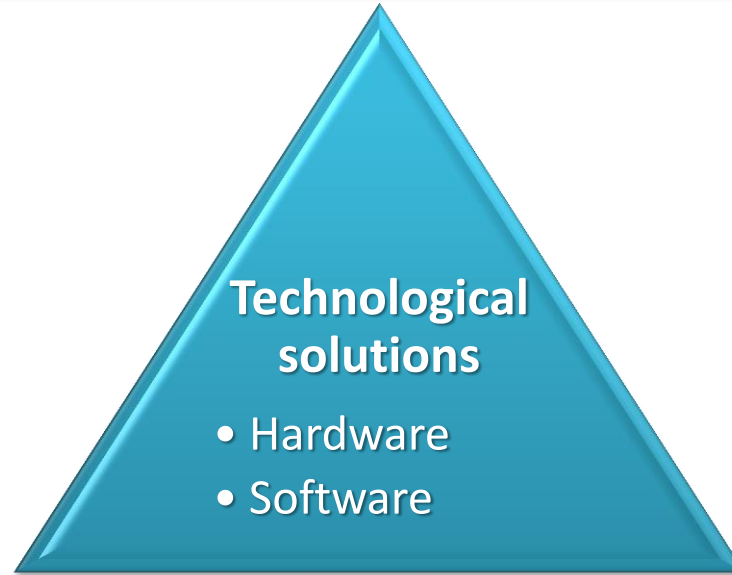
ADB is providing support to the Philippines for the reform of its secondary education system.

The program includes a focus on improving learning outcomes in math and science, by strengthening the curriculum and enhancing teacher quality.



Emerging lessons

Shifting the focus to content and usage

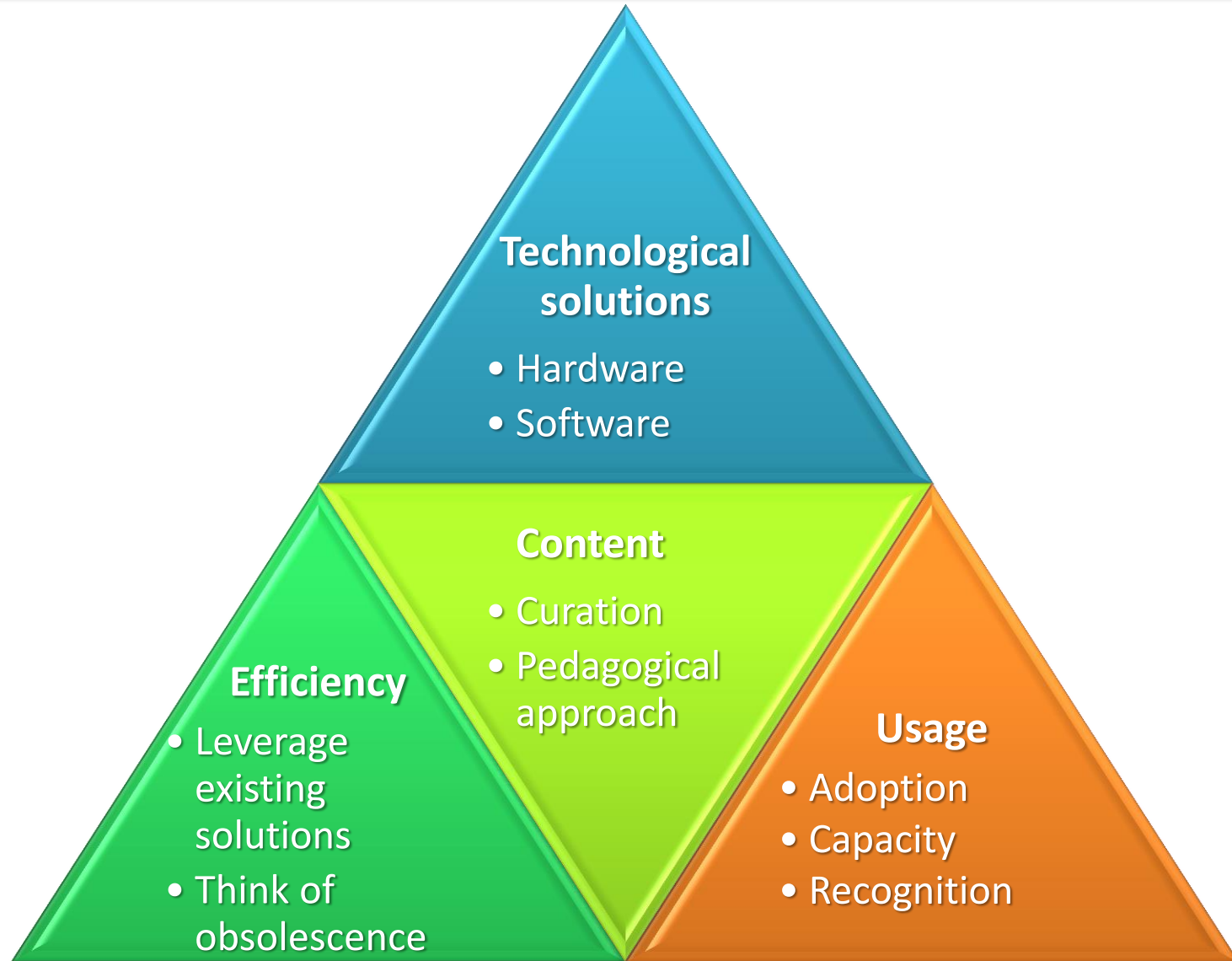


Open online resources landscape



Source: Dr. Gajaraj Dhanarajan

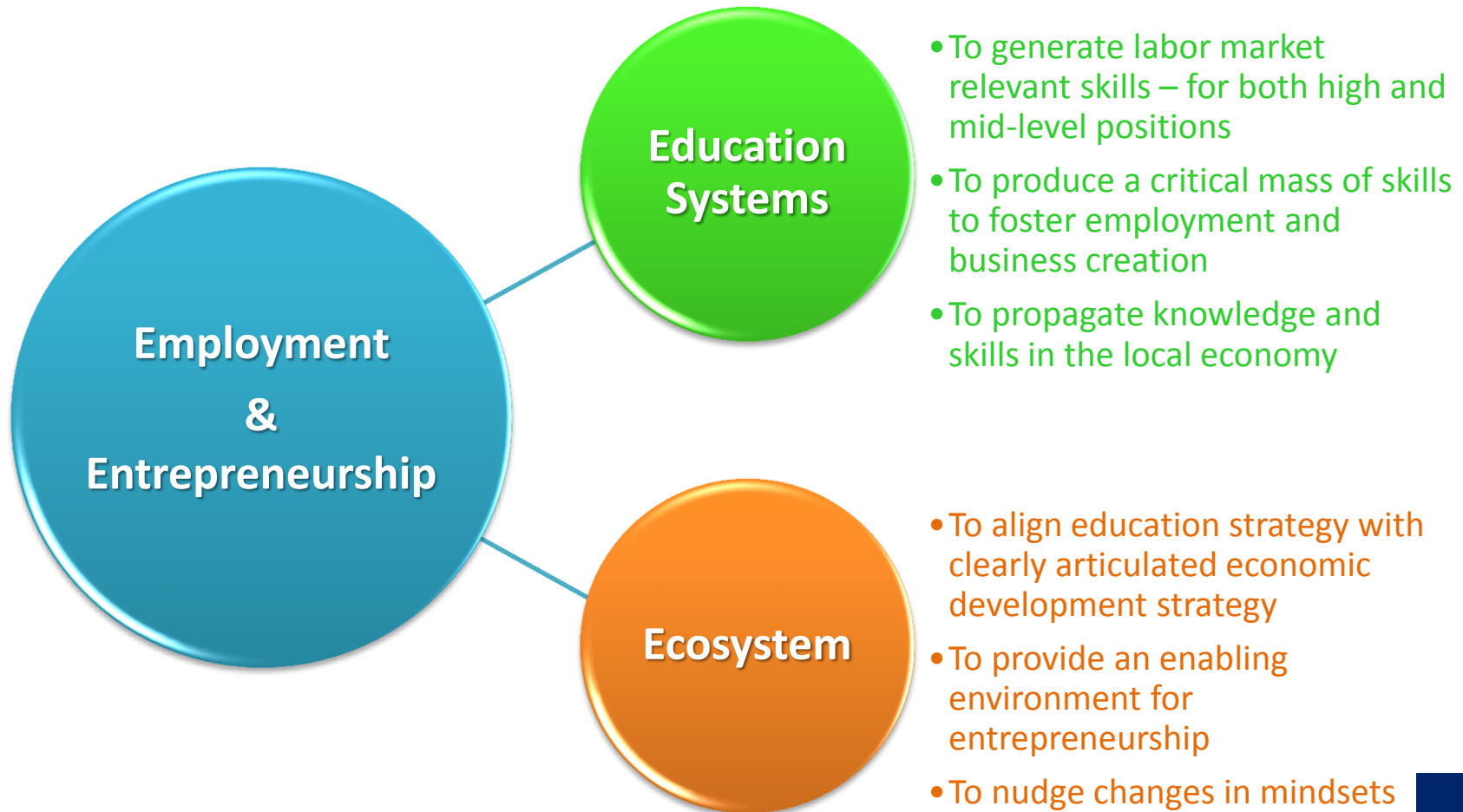
Shifting the focus to content and usage



Striking a balance



Improving employment outcomes



**Employment
&
Entrepreneurship**

**Education
Systems**

- To generate labor market relevant skills – for both high and mid-level positions
- To produce a critical mass of skills to foster employment and business creation
- To propagate knowledge and skills in the local economy

Ecosystem

- To align education strategy with clearly articulated economic development strategy
- To provide an enabling environment for entrepreneurship
- To nudge changes in mindsets

Discussion Q&A
