

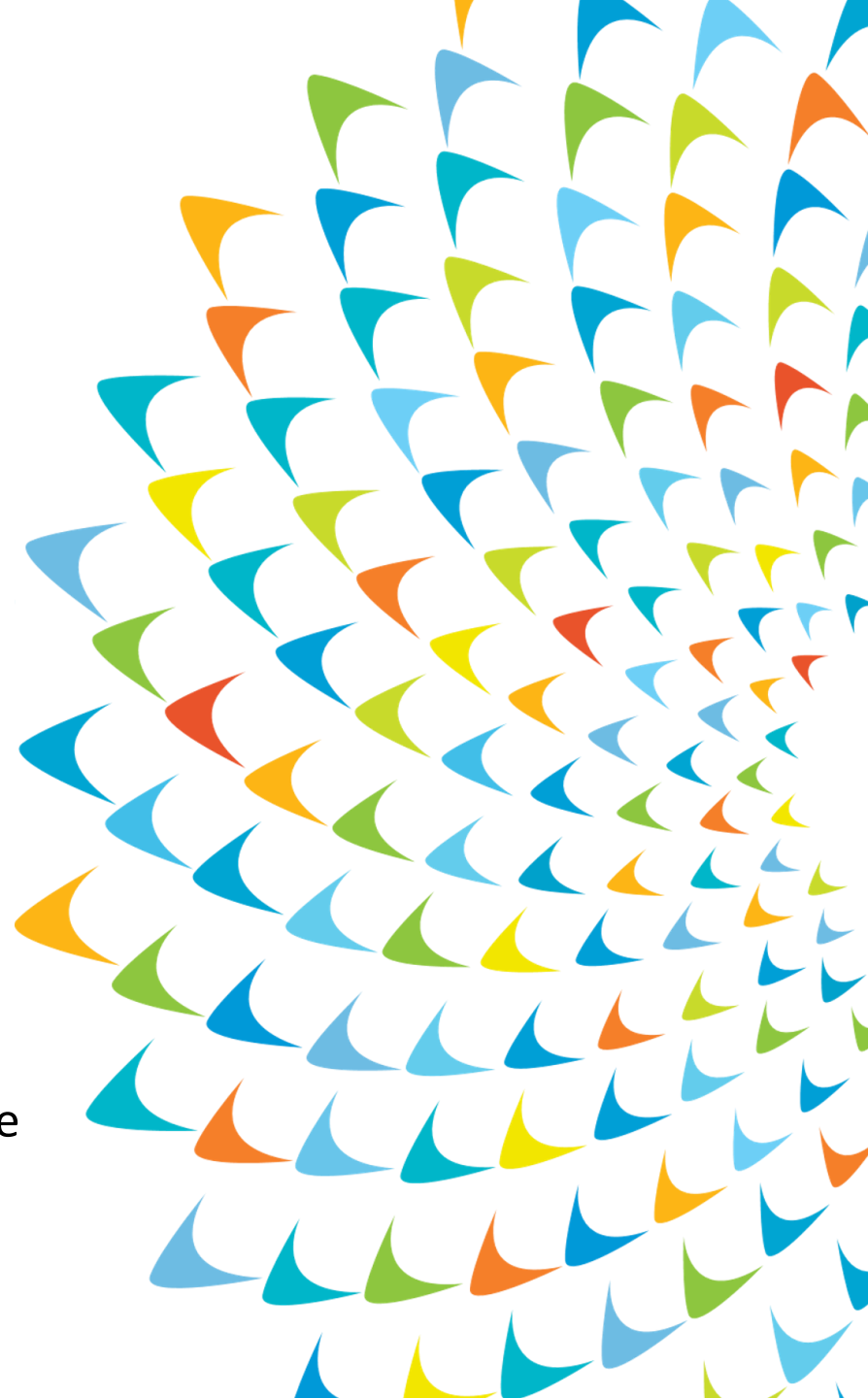


# Digital Strategies for Development in Asia and the Pacific

**Bambang Susantono**

Vice President

Knowledge Management and Sustainable  
Development





# Let's Imagine a Child in 2030

- S/He learns through **smart holographic gadgets** and efficiently attends **distance learning classes**
- S/He has his daily questions answered by **chat bots** and gets various life support through **AI**
- S/He gets appreciation and punishment from community through **online ratings** and **badges**.
- S/He has his/her parents watch over him/her through **GPS, sensors, IoT cameras** and **wearable tech**.
- S/He moves around in an **autonomous driverless vehicle**
- S/He does not need and has never **seen cash money**
- And when s/he grows updating is a mere **swipe to the right**

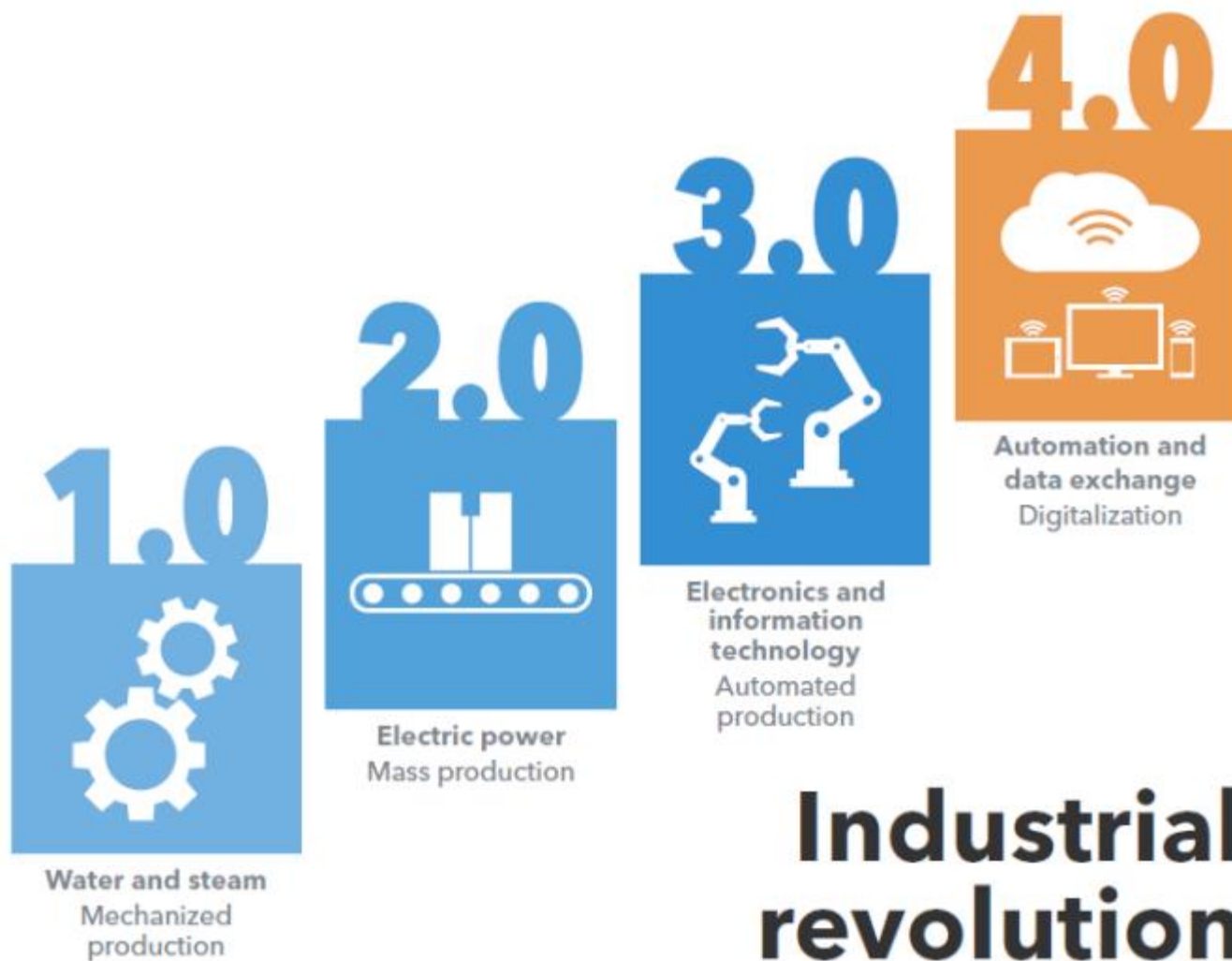


Photo by Ansel Oliver for Waterford Institute  
[<https://bit.ly/2KzXgtt>]

**How can we prepare well?**



# 4<sup>th</sup> Industrial Revolution



Source: <https://news.itu.int/ict-infrastructure-crucial-achieving-sdgs-era-fourth-industrial-revolution/>

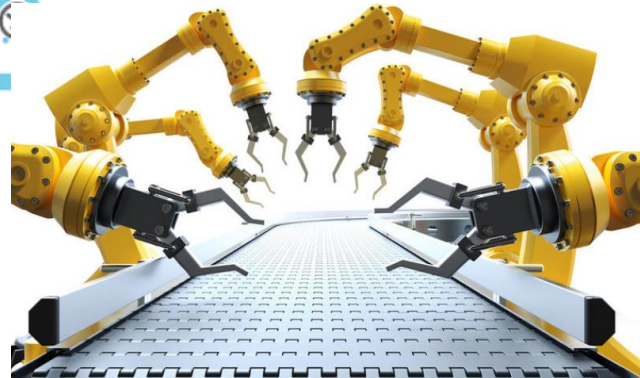


# Disruptive Technologies

Cloud



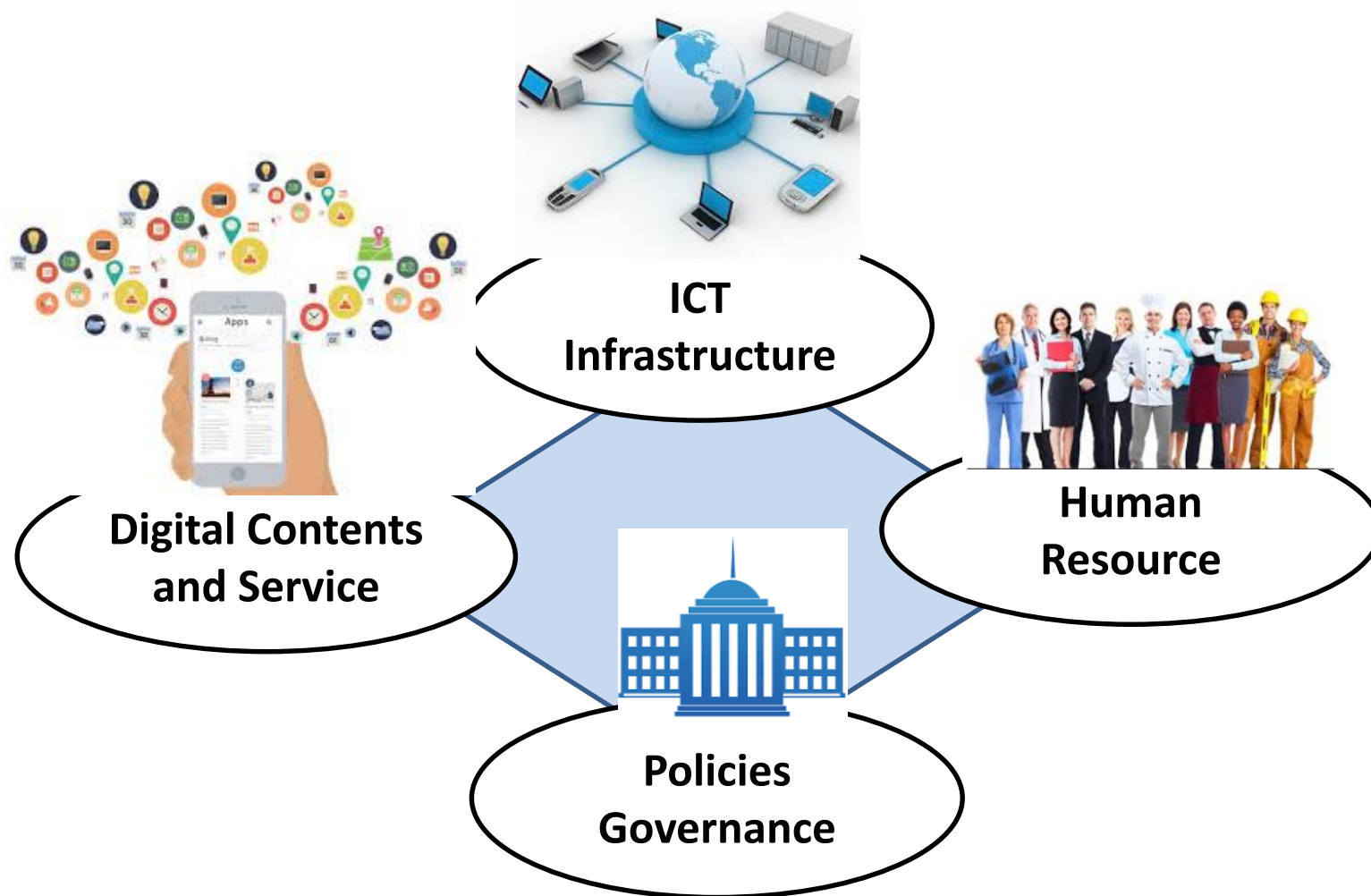
A.I.



BLOCKCHAIN

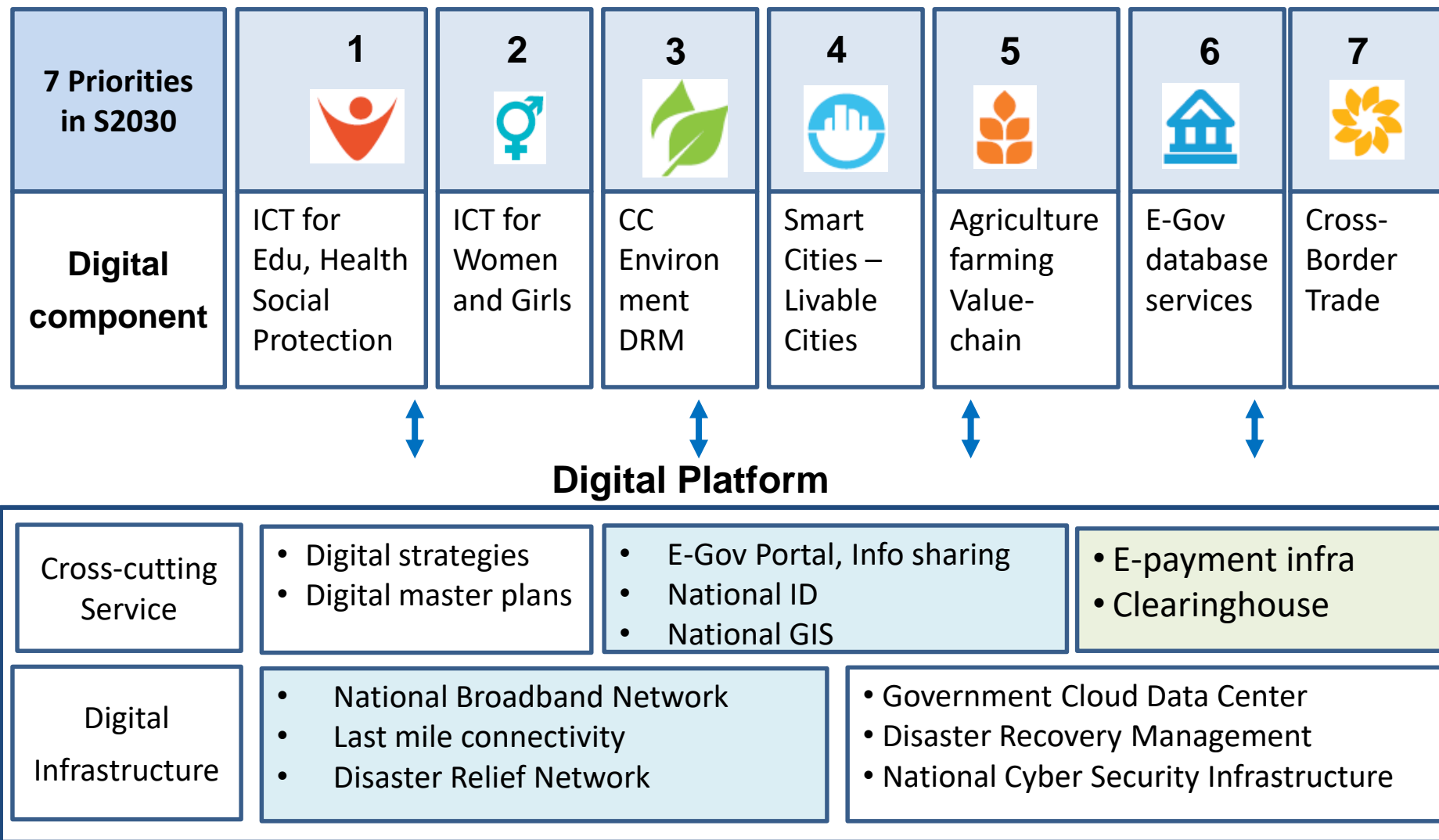


# Enabling Environment for Digital Economy





# Digital Strategies in ADB Operations





# Digital Platform: ICT infrastructure

- Most developing countries are not fully ready to maximize the use of digital technologies.
- ADB has been supported to build submarine cable to provide affordable broadband internet to the Pacific Islands and not focusing on ICT applications leveraging the ICT infrastructure

## ADB support in the Pacific



### Submarine Cables

- Cook Islands
- Palau
- Samoa
- Tonga

### ICT Applications

- PNG Rural Primary Health
- Samoa School-Net
- Tonga m-Health





# Digital Platform: Smart Cities







## Developing digital land registry - “Blockchain” technology



Piloting digital solutions through earth observation and mobile applications



# Digital Finance – Cloud Based Banking

## Challenge

### Financial inclusion



**Only 3 out of 10 Filipinos have a bank account**



41% of the unbanked are in Mindanao



**Lack of efficient technology infrastructure in rural and remote areas and archipelagos**



**Higher costs of reaching and servicing clients for rural banks in high-risk frontier areas**

## Solution

### Digital finance

#### Offer

new opportunities to save, make a payment, get a small business loan, send a remittance, or buy insurance.

#### Reach

the underserved and unbanked people

#### Provide

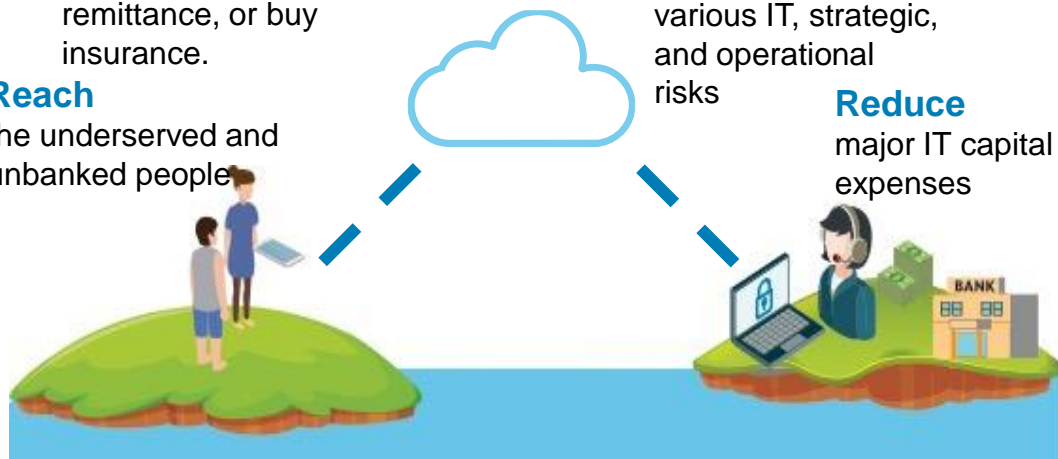
personalized and efficient services

#### Mitigate

various IT, strategic, and operational risks

#### Reduce

major IT capital expenses





# Digital Platform

## E-Governance

- E-Governance has been a central feature of public sector reform
- In Indonesia, ADB-supported strengthening the nationwide public procurement process and the e-procurement system<sup>1)</sup> which resulted in huge budget savings across the



## National ID

- Legal identity enables citizens to access to various social, financial, and government services.
- National ID is a foundational digital infrastructure for any e-services.
- ADB has been provided a technical assistance for the national Identity program in Cambodia<sup>1)</sup>



1) ADB TA 7653-INO: Strengthening National Public Procurement Processes, <https://www.adb.org/sites/default/files/project-document/82391/43219-012-tcr.pdf>  
2) ADB TA 8813-REG: Information and Communication Technology for Development Initiative Facility in Asia and the Pacific



# Most Governments Going **Innovative and Digital**

## **Regional Initiative**

- OECD: Going Digital Report (2018)
- G20: Digital Ministers Meeting 2018
- ASEAN: ICT Master Plan (2015)
- APEC: Digital Economy Roadmaps (2014)

## **National Initiative**

- IND: Digital India
- PAK: Digital Pakistan
- GEO: e-Georgia Strategy
- ARM: Digital Armenia
- KGZ: Smart Nation (Taza Koom)





# Disruptive technologies





# ADB-AIM HACKATHON 2018

POWERED BY **ULTRAHACK**

1-3

September 2018

