ESTABLISHING DIGITAL SOLUTIONS CENTER FOR SUSTAINABLE DEVELOPMENT IN CENTRAL ASIA (DSC SD)

ESCAP (as of 11 November) with inputs from:
MDDIAI, Zerde Holding, Center for Digital Transformation, QazInnovations

UNESCAP, ICT and Development Section, Information and Communication Technology and Disaster Risk Reduction Division
Memorandum of Agreement between UNESCAP and MDDIAI signed on 20th of April 2021.

1. As follow up actions of MoA
   • Digital Solutions Centre in Central Asia (John Ure (2021)).
   • Fostering the Central Asia-as-a-platform Strategy through the Digital Solutions Center for Sustainable Development (DSCSD) (Askar Tazhiyev, 2021)
   • Establishment of the Central Asian Digital Solutions Center in Kazakhstan (Zhanar Sultanbekova (2021))

   • KazAid
   • Republic of Korea
   • Asian Infrastructure and Investment Bank (AIIB)
   • ADB- CAREC strategy
   • SPECA Working Group ITSD (Innovation and Technology for Sustainable Development) - 20-21 November
Digital Solutions Center for Sustainable Development (DSD SD) in Central Asia (CA)

Objectives
- To provide digital solutions for accelerating digital transformation towards an inclusive digital society

Mandate
- 2021: ESCAP and SPECA WG ITSD recommendations for EF and GC

Key Roles
1. **Accelerator**: Accelerate Green Digital Transformation towards an inclusive digital economy and society in the North and Central Asia region;
2. **Coordinator**: Strengthen sub-regional coordination and partnerships
   - including the sub-regional service node of Asia Pacific Information Superhighway mechanism.

**INITIATIVES for DSC SD:**
- **Conceptually unified regulatory framework (Digital Code)**
- **Infrastructure (non-GSO, FOC), and connectivity development**
- **Unified interstate tech platform and unified standards (protocol on blockchain for CA)**
  - **Ex**: Digital Certification on Carbon Footprint of SMEs in Central Asia, Ranking Central Asian companies on implementation of technologies to reduce GHG emissions
  - Projects for digital identification of citizens (individual identification numbers, verification of the COVID status, interstate electronic document flow)
- **Big Data Management Information System for Governments**
- **Information system of paperless document circulation in the field of air cargo transportation**
- **Digital Platforms in different sectors (Agriculture, Industry 4.0, etc.) based on single window concept and blockchain technologies, that will help to link IT-companies, enterprises, gov. services**
- **National STI Information Platform (Innovation Observatory) an online, open access platform for decision-makers, researchers, companies and general-public, with a complete set of various information on STI**
PLAYERS AND EXPECTED RESULT

### AP-IS: ESCAP Asia-Pacific Information Superhighway Initiative
Action Plan for 2022-2026

**ESCAP contribution:** projects and premises in UN offices (Almaty and Nur-Sultan) and mobilization of investments from financial institutions and banks (ADB, AIIB, WB etc., RoK)

**SPECA countries (including RK)**

### CONTRIBUTION OF THE PARTIES (SPECA COUNTRIES), INPUT:
- Sponsor of the ESCAP resolution at the 75th session in March-May 2022
- Infrastructure
- Personnel
- Projects
- UN programs

### OUTPUT:
- Analytical reviews
- Country ranking (NRI, E-resilience)
- Unified tech platform for CA states
- Unified integrated ICT infrastructure
- Data traffic and data hubs
- Training *(in Kazakhstan, up to 10 thousand people (2-3 thousand per year in 2022)*
- Business & govt transformation processes

### IMPACT:
- Saving of the state budget by 20% *(for ex., in the amount of 15 trillion tenge)*
- Jobs and the electronic connectivity of the city with the countryside, co-deployment of ICT with other infrastructure, PPP projects
- Inclusive digital economy in SPECA countries

### Contributions from SPECA countries and donors, banks

#### Partners in 2021-2022
1. Exchange of letters in November, incl with RoK
2. Memoranda until the end of 2021 between:
   - KazAID
   - Ministry of Foreign Affairs
   - ZERDE
   - Center for DT (HR, trouble shooting, products)
   - ESCAP and SPECA countries

#### Financing
- RECI ESCAP project (USD 100k +800K RECI outcomes)
- Resources of KazAID and ESCAP resolution via memoranda and exchange of letters, Digital Trust Fund
- Kazakhstan office in Almaty and three employees via decision of Ministry of Foreign Affairs?
- Contributions from SPECA countries and donors, banks
ROADMAP FOR CREATING DSC SD

November 15, 2021
Expert meeting with CA countries
• Opening the meeting by VM
• Presentation

2022
Almaty Digital Forum - February
• Session of ESCAP and MDDIAI on the presentation of the DSC SD roadmap
• Technology Exhibition

ESCAP resolution, 75 session
• RK and SPECA sponsor of the resolution
• ACPR meetings through the MoFA and the Embassies of SPECA countries

Economic Forum and SPECA Governing Council - 17-18 November
• Speech by the MoFA and MDDIAI
• Presentation of Zerde

RECI Regional Dialogue - December 3
RK, Mongolia, India, RoK, Japan, Azerbaijan, Kyrgyzstan, Singapore, China

2023
The work of DSC SD will begin in Almaty for the Central Asian countries
• Personnel
• Infrastructure
• Projects

Ministerial Conference on Digital Cooperation, October 22, 2022, Seoul, Republic of Korea
• RK and Zerde session
• EXPO technologies
• Presentation of the DSC SD with a portfolio of projects

2024

2025-2026
• Implementation of projects in SPECA countries on AP-IS 2022-2026
• UN reporting

2026
THANK YOU!
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