



## Speaker's note of The Minister of Communications and Informatization of the Republic of Belarus during the Digital Economy Forum of China-SCO

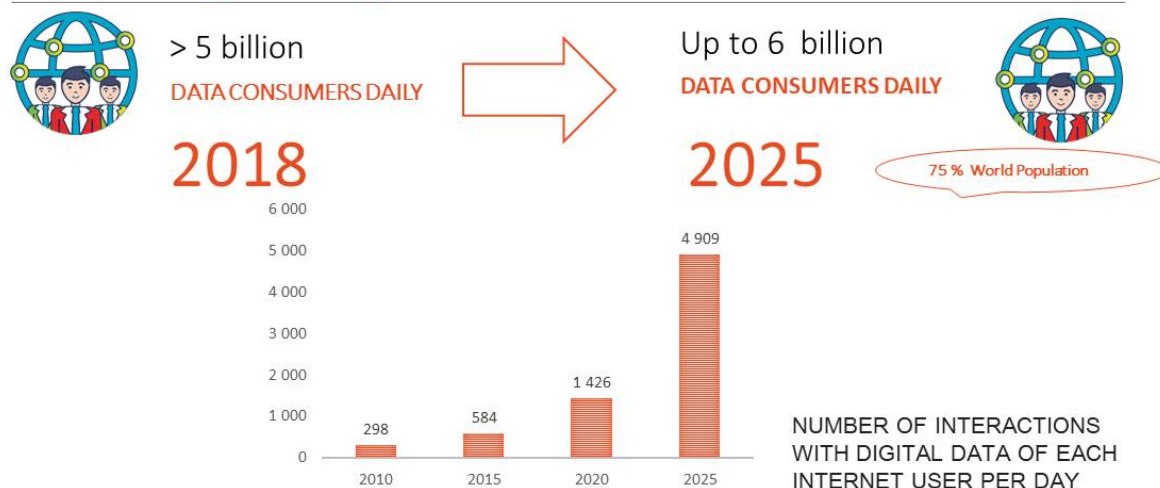
August 23, 2021 .

### Data as a key factor in driving digitalization

Dear participants of the Forum, dear colleagues!

Digital data - is an asset, with high capabilities and economy impact level that is on par with natural resources. Development of computers, mobile devices and information technologies led to the numerous increase of communication speed, decision making, transaction processing and other operations.

### Interacting with digital data



\* DATA FROM JOINT RESEARCH INTERNATIONAL DATA CORPORATION (IDC) И SEAGATE TECHNOLOGY, 2018

Today more than 5 billion users interact with data every day. By 2025 their number will increase up to 6 billion (75% Earth population). Every Internet user will interact with digital data around 4.9 thousand times per day (around every 18 seconds).

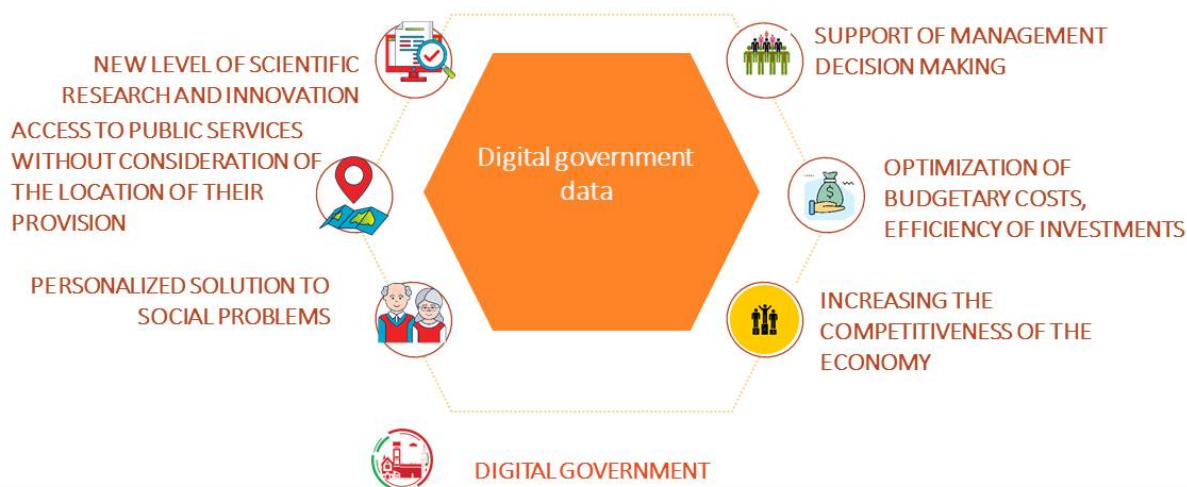
## The main "points" of data generation



\* DATA FROM JOINT RESEARCH

The main units generating data are: basic infrastructure (data processing centers), peripheral network (mobile network base stations) and end user devices (computers, smartphones, etc.) All of it – global data. It is forecasted to increase up to 175 ZB in 2025, while it was 33 ZB in 2017. As a result, considering all data sources and rapid growth of processing speed, it will change economy structure, operation methods, including requirements for world market.

## Digital data and public administration



Changes also affect governmental organizations. Modern digital analysis tools help solve social problems, perform scientific research and speed up innovation implementation, decrease governmental costs and provide personalized services to people. Efficient management of state

digital data requires development of unified management policy and creation of infrastructure for joint usage.

## RESULTS OF DIGITAL DEVELOPMENT OF BELARUS

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BASIS OF INTERDEPARTMENTAL INFORMATION INTERACTION -  
**PUBLIC AUTOMATED INFORMATION SYSTEM**  
 UNIFIED POINT OF ACCESS TO PUBLIC SERVICES -  
**UNIFIED PORTAL OF ELECTRONIC SERVICES**
- 

MODERN IDENTIFICATION MEANS - A UNIFIED SYSTEM OF IDENTIFICATION OF INDIVIDUALS AND LEGAL ENTITIES, ID-CARD
- 

RELIABLE SYSTEMS FOR MAKING ONLINE PAYMENTS - UNIFIED CALCULATION AND INFORMATION SPACE
- 

A DEVELOPED AND WORLDWIDE STANDARDS DATA TRANSMISSION NETWORK, RELIABLE CENTERS FOR STORING AND PROCESSING - THE REPUBLICAN CLOUD PLATFORM
- 

EFFECTIVE MEANS OF DATA PROTECTION - STATE PUBLIC KEY MANAGEMENT SYSTEM FOR VERIFICATION OF ELECTRONIC DIGITAL SIGNATURE OF THE REPUBLIC OF BELARUS

Till now Belarus achieved high progress in this domain. We have created: data communication network that matches world standards, reliable data centers to store and process data, identification mechanisms, online payment systems, modern digital services and tills to protect data.

## RESULTS OF DIGITAL DEVELOPMENT OF BELARUS

### BELARUSIAN INTEGRATED SERVICE CALCULATION SYSTEM

TO ENSURE ID-CARD OPERATION:


- UNIFIED SYSTEM OF IDENTIFICATION OF INDIVIDUALS AND LEGAL ENTITIES
- CRYPTOGRAPHIC APPLICATION WRITTEN ON ID-CARD AND MEETING NATIONAL SECURITY REQUIREMENTS IN THE FIELD OF CRYPTOGRAPHY
- NATIONAL PUBLIC KEY INFRASTRUCTURE FOR MACHINE READABLE TRAVEL DOCUMENTS FOR INTERACTION WITH THE INTERNATIONAL CIVIL AVIATION ORGANIZATION
- ID-CARD TEST MODELS

### ID-КАРТА БЕЛОРУСА

ID-карта - документ, удостоверяющий личность, для пользования внутри страны.

**Цифровой аналог паспорта планируют начать выдавать в 2021 году.**


**Карта содержит**




фотография



подпись



контактный и бесконтактный чип



основные данные

**ПРЕИМУЩЕСТВА**

- защита от подделок
- удобство пользования
- сокращение времени на административные процедуры

Стоимость ID-карты - **1,5 базовых величин**\*

**Для выезда за границу будет использоваться биометрический паспорт.**  
 На 32 страницах будет персональная информация владельца, чип и место для виз. Никаких отметок, кроме виз, в паспортах не предусмотрено.  
 Стоимость паспорта - 2 базовых величин\*.

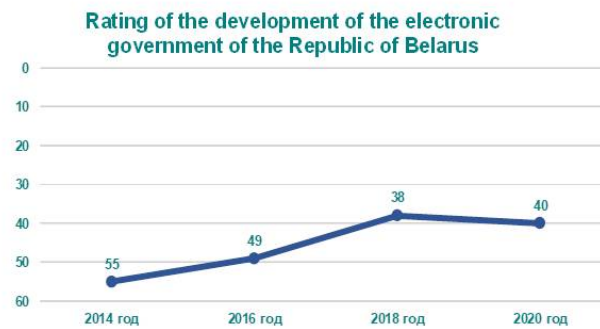
Shifting to new digital reality is becoming true by a readiness to start using biometric identification (ID-card) starting from 1st of September 2021. They replace internal passport of a citizen of the republic of Belarus and open a wide variety for people to start getting state services online. ID-card

implementation will become a motivation for a more intensive data digitalization, transferring many interaction processes to a digital format

## INTERNATIONAL ASSESSMENT OF DIGITAL DEVELOPMENT OF BELARUS

ELECTRONIC GOVERNMENT DEVELOPMENT INDEX

E-GOVERNMENT DEVELOPMENT INDEX



According UN estimation, by 2020 Belarus was ranked 40th place by electronic government development index among 193 world countries.

## INFORMATION AND COMMUNICATION INFRASTRUCTURE OF BELARUS



As for infrastructure readiness of Belarus for intensification of digital interactions we would like to mention:

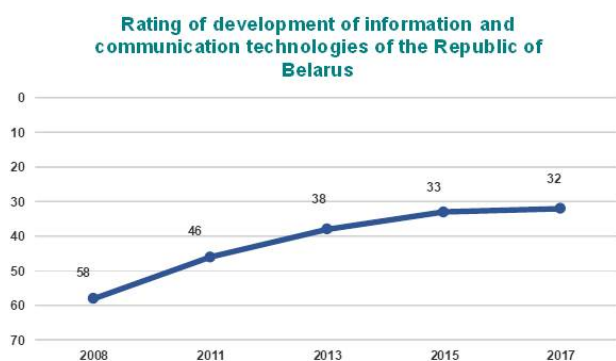
- Fulfilled fiber-optic construction for every apartment in residential areas. All educational and

healthcare institutions have high-speed access to Internet.

- Vast increase of subscribers of fixed broadband Internet access (3.3 M) and IP-TV – 2,3 M.
- Meanwhile quantity of mobile cellular subscribers is 11,67 M. 63 % out of them are using internet access.
- 2G and 3G mobile cellular access is available for 99,9 % of population on the 98 % of the country territory. Using LTE – 95 % population и 58,6 % of the country territory.

## INFORMATION AND COMMUNICATION INFRASTRUCTURE OF BELARUS

### ICT DEVELOPMENT INDEX



#### 2ND PLACE

IN THE RATING OF EUROPEAN COUNTRIES BY THE LEVEL OF PENETRATION OF FIBER OPTICAL LINKS IN HOUSEHOLDS (YEAR 2019)

#### LEADER

IN ANALOGICAL FORECASTING RATING OF 2020 WITH A PENETRATION PERCENTAGE - 68.4%

As a result in ICT Development index Belarus ranked 32 out of 176 countries, leading among CIS countries.

## IMPACT OF DIGITAL DEVELOPMENT ON THE ECONOMY OF BELARUS



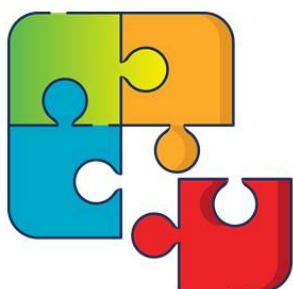
FOR THE FIRST HALF OF 2021:

- 1 in the section "Information and Communication" the added value amounted to **USD 2.4 billion**
- 2 value added growth rate - **107.3 percent**
- 3 by share in the structure of GDP, the share of the section is **7.7 percent**

As result we observe positive trends of data influence to the national economy. For the second half of 2021 added value of "Information and communication" became 2.4 billion USD, added value growth rate - 107,3%. GDP ratio - 7,7%.

## Promising areas of digital development

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- 1 development of national infrastructure, primarily the introduction of 5G cellular technology in the Republic of Belarus
- 2 development and popularization of the state system for the provision of electronic services, the use of mobile EDS
- 3 implementation of e-education, healthcare, employment, logistics, trade and other projects, creation and scaling of Industry 4.0 and smart city technologies
- 4 effective implementation of the State Program "Digital Development of Belarus" for 2021 - 2025

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Major tasks for the coming period are:

- National infrastructure development, mainly 5G cellular technology implementation in Belarus;
- Development and popularization of state digital service platform, digital signature usage;
- Digital education projects implementation, healthcare, employment, logistics, trade and other directions. Create and spread technologies of Industry 0 and Smart City.

National program "Digital development of Belarus" in 2021 - 2025 is being realized.

### Quitting slide mode

Considering rapid growth of digital transformation capabilities, digital transformation priority for country-members of SCO, current Forum is an important professional discussion channel.

Experts from different countries and domains will deliver their interesting ideas and suggestions, will discuss modern technologies and their influence to economy and human society development

Such a dialogue is extremely important now. Nowadays challenges proved that further development is almost not possible without digitalization. I'm positively sure that Digital Economy Forum has high practical usage. I wish fruitful work to all participant.

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