DIGITAL TECHNOLOGIES
AS A DRIVER OF THE SOCIO-ECONOMIC
DEVELOPMENT OF
THE REPUBLIC OF BELARUS

YULIYA SHAPKINA
Head of the Sectoral Informatization Department
Ministry of Communication and Informatization
Republic of Belarus

Republic of Belarus

Key facts
Total land area of Belarus 207,600 km²
Population – 9.49 million
Life expectancy at birth – 74.4 years
Population living in cities – 78%
The capital is Minsk (1.982,4 million inhabitants)

Languages spoken in Belarus
Belarusian and Russian

Commodity structure of export (2017):
- mineral products – 24.6%
- chemical industry production, rubber – 18.4%
- cars, equipment and vehicles – 18.1%
- black, nonferrous metals and products from them – 7.0%
- articles of food and agricultural raw materials – 16.6%
- others – 15.3%

Commodity structure of import (2017):
- mineral products – 29.0%
- cars, equipment and vehicles – 23.1%
- black, nonferrous metals and products from them – 10.0%
- chemical industry production, rubber – 14.6%
- articles of food and agricultural raw materials – 13.2%
- others – 10.1%
International rating
E-Government Development Index

Republic of Belarus

2010  0.490  64
2012  0.609  61
2014  0.605  55
2016  0.662  49
2018  0.764  38

- rank

Regulatory conditions for the digital transformation in the Republic of Belarus

1991
• Program of informatization of the Republic of Belarus for 1991-1995 and for the period until 2000

1999
• Concept of public policy in the field of informatization

2003-2010
• State program of informatization of the Republic of Belarus for 2003-2005 and up to 2010 “E-Belarus”

2010
• Strategy of information society development in the Republic of Belarus for the period until 2015

2011-2015
• National program of the accelerated development of services in the field of information and communication technologies for 2011-2015

2016-2022
• Strategy of informatization development in the Republic of Belarus for the period 2016-2022

2016-2020
• State program of the digital economy and information society development for 2016 – 2020

2017-2049
• Decree № 8 “On the development of the digital economy”
12 key tasks for 2016 – 2020

- Information and communication infrastructure development
- Smart House Standard
- E-Government
- Big Data & Analytics
- Removing all administrative barriers
- Legal, educational, investment environment for digital technology

NEW TECHNOLOGIES IN:

- bank
- public administration
- education
- transport
- industry
- housing and communal services
- agriculture
- health care
- trade

National information system

Nationwide Automated Information System (NAIS)
Integration platform

System of the interdepartmental electronic document management
more than 11 846 organizations

PKI
The issued digital signature keys more than 467 110

Unified portal of e-services
more than 500 000 e-services per month

AIS "Local Council of Deputies"

Public information resources and information systems
(customs regulations, border control, health, education, etc.)
Sectoral digital transformation

Health care
Electronic prescription – 470 health organizations

Housing and communal services
Portal "My City" (115.6en) accepted applications – 195,198; solved problems – 185,510

Customs
E-customs declaration – more than 11,248 users

Trade
E-delivery – saving 75,000 USD per month

Results and effects

Taxes
E-invoices – 213,319 business entities

Cashless payments
23 banks, payment for more than 60,000 services, 36.5 million payments per month

State Scientific Expertise
Paperless expertise from August 1, 2018

State program of the digital economy & information society development for 2016 - 2020

PROJECTS:
- Belarusian integrated service-settlement system (national ID-cards);
- Electronic prescription;
- Electronic school;
- National open data portal.

MAIN DIRECTIONS
- Digital transformation (52 projects)
- Informatization infrastructure (8 projects)
- Information and Communication Infrastructure (11 projects)
State program of the digital economy & information society development for 2016 - 2020

**Goal** – to improve conditions that facilitate the transformation of human activities under the influence of ICT, including the formation of a digital economy, the development of the information society and the improvement of e-government

**Subprogram 1**
- **“ICT infrastructure”**
- Further national ICT infrastructure development (fiber optic, Wi-Fi, LTE, cloud technologies, etc.)

**Subprogram 2**
- **“Informatization infrastructure”**
- E-government technology development (NAIS, PKI, ID-cards, Open Data, etc.)

**Subprogram 3**
- **“Digital transformation”**
- Business processes digital transformation

---

**Information & communication infrastructure, public administration**

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2017</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Information and communication infrastructure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Households with Internet access</td>
<td>73,5%</td>
<td>82%</td>
</tr>
<tr>
<td>Number of Internet users</td>
<td>74,4%</td>
<td>77%</td>
</tr>
<tr>
<td>Active fixed-broadband subscriptions per 100 inhabitants</td>
<td>33,2</td>
<td>34,7</td>
</tr>
<tr>
<td>Active fixed-broadband subscriptions per 100 inhabitants</td>
<td>75,8</td>
<td>90,0</td>
</tr>
</tbody>
</table>

**Public administration**

| Administrative procedures carried out in e-form | 10 % | 75%  |
## Agriculture, industry, health care, education

<table>
<thead>
<tr>
<th>Indicator</th>
<th>2017</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agriculture</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage of energy-intensive agricultural equipment covered by the monitoring system</td>
<td>-</td>
<td>70%</td>
</tr>
<tr>
<td><strong>Industry</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cost reduction with automating technological development and virtual testing of a product design</td>
<td>-</td>
<td>not less than 10%</td>
</tr>
<tr>
<td><strong>Health care</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage of doctors in public health organizations who are able to issue prescriptions for medicines in e-form</td>
<td>69,1%</td>
<td>100%</td>
</tr>
<tr>
<td><strong>Education</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage of graduates of educational institutions covered by the AIS &quot;Monitoring of the labor trajectory&quot;</td>
<td>-</td>
<td>15%</td>
</tr>
<tr>
<td>Percentage of educational institutions covered by the project &quot;E-education&quot;</td>
<td>16,4%</td>
<td>80%</td>
</tr>
</tbody>
</table>

*Thank you!*