National Strategy on Digital Agenda for Romania
2014 - 2020
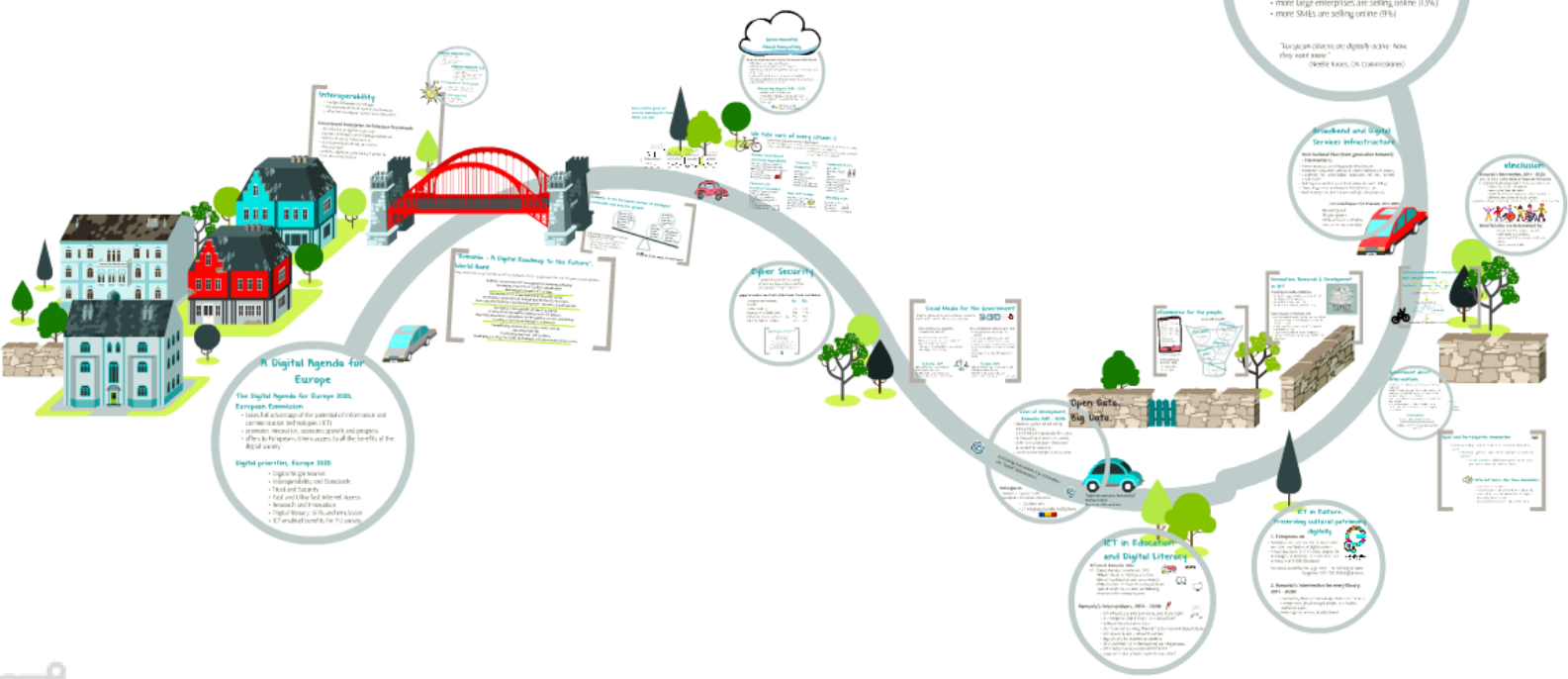
A Digital Agenda for Europe

The Digital Agenda for Europe 2020, European Commission

- takes full advantage of the potential of information and communication technologies (ICT)
- promotes innovation, economic growth and progress
- offers to European citizens access to all the benefits of the digital society

Digital priorities, Europe 2020

- Digital Single Market
- Interoperability and Standards
- Trust and Security
- Fast and Ultra-fast Internet Access
- Research and Innovation
- Digital literacy, skills and eInclusion
- ICT-enabled benefits for EU society

Romania, in the European context of intelligent, sustainable and inclusive growth

eGovernment, Interoperability, Cloud Computing, Open Data & Big Data, Social Media

eCommerce, Research - Development & Innovation in ICT

ICT in Education, Health, Culture & eInclusion

Broadband and digital services infrastructure
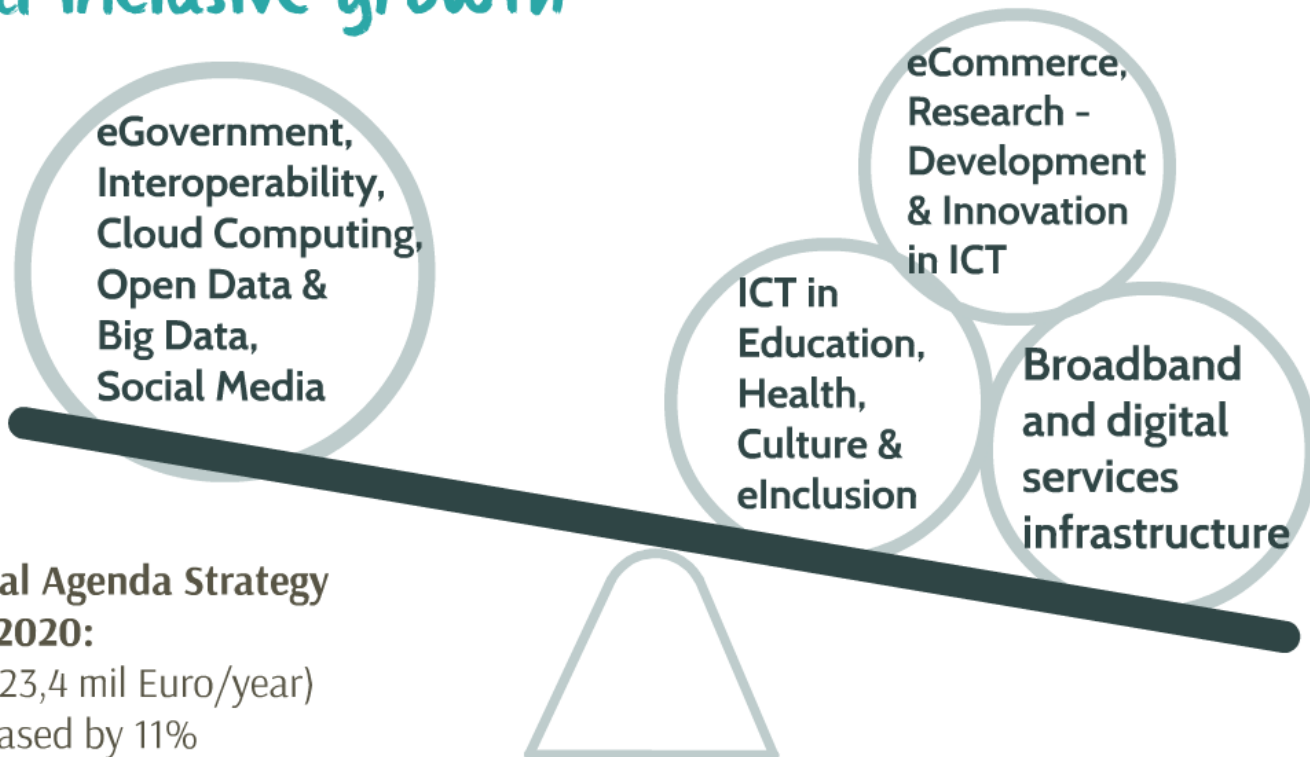
National impact of Digital Agenda Strategy implementation, 2014 - 2020:
- GDP growth by 13% (23,4 mil Euro/year)
- Number of jobs increased by 11%
- Administration costs reduced by 12% (26,6 mil Euro/year)

③,⑨ bil. Euro, need of investment

Innovation, Research & Development in ICT

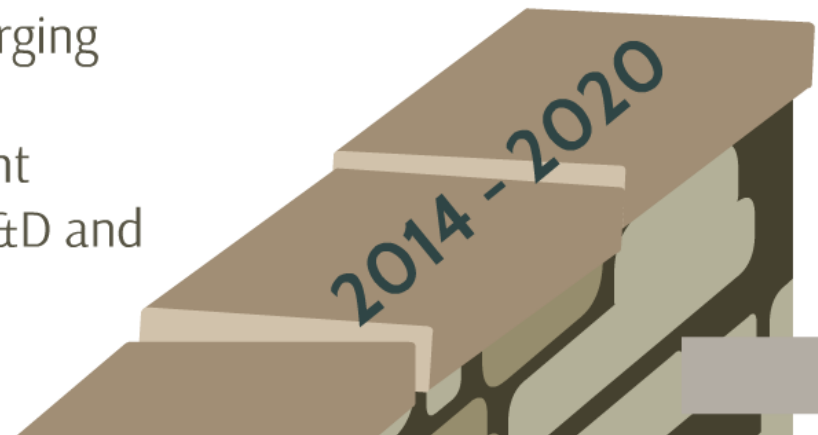## Investing in creative industries

- they have a bigger, growing economic potential than the rest of the economy
- they deliver 5% of national GDP
- they represent 10% of national work force

Digital Agenda for Romania will:

- develop a infrastructure to sustain creative industry promote & sustain the development of innovative business clusters
- create a specific economic context for emerging competitiveness hubs
- support regional infrastructure development
- participate in European partnerships for R&D and innovation.

Video & Photo
Art & Music
Handcrafting
Design & Fashion
Publishing
Advertising
TV & radio
Architecture
Antiques
Software & Gaming

*source: shutterstock*

2014 - 2020

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Government direct interventions

- identify & evaluate the development stage of IT clusters in Romania
- sketch their economical performances & innovation level
- inventory of associated companies within each cluster
- evaluate clusters' IT based solutions
- create a Digital Map of innovative IT projects identified in every cluster
- analyze & prioritize the need for IT solutions for 10 priority sectors from Romania's National Strategy for Competitiveness

Vulnerabilities

citizens with low level of digital literacy

reduced use of ICT for companies & society in general

Open and Pa
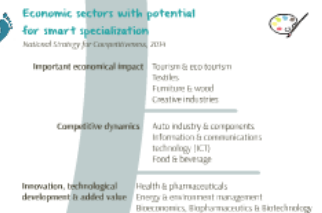
Economic sectors with potential for smart specialization

National Strategy for Competitiveness, 2014

Important economical impact
Tourism & eco tourism
Textiles
Furniture & wood
Creative industries

Competitive dynamics
Auto industry & components
Information & communications technology (ICT)
Food & beverage

Innovation, technological development & added value
Health & pharmaceuticals
Energy & environment management
Bioeconomics, Biopharmaceutics & Biotechnology

Open and Participative Innovation

- **Businesses** will get scalable solutions, faster & richer innovation cycles.
  - **Citizens** will get personalized, better, optimized & affordable solutions.
    - **Service providers** will find new approaches in service provision & affordable service creation.

Internet Users: the New Innovators

- are services' consumers
- are better prepared technically & intellectually
- are constant users of advanced technologies
- know the public's needs
- know the deficiencies & limits of the system.

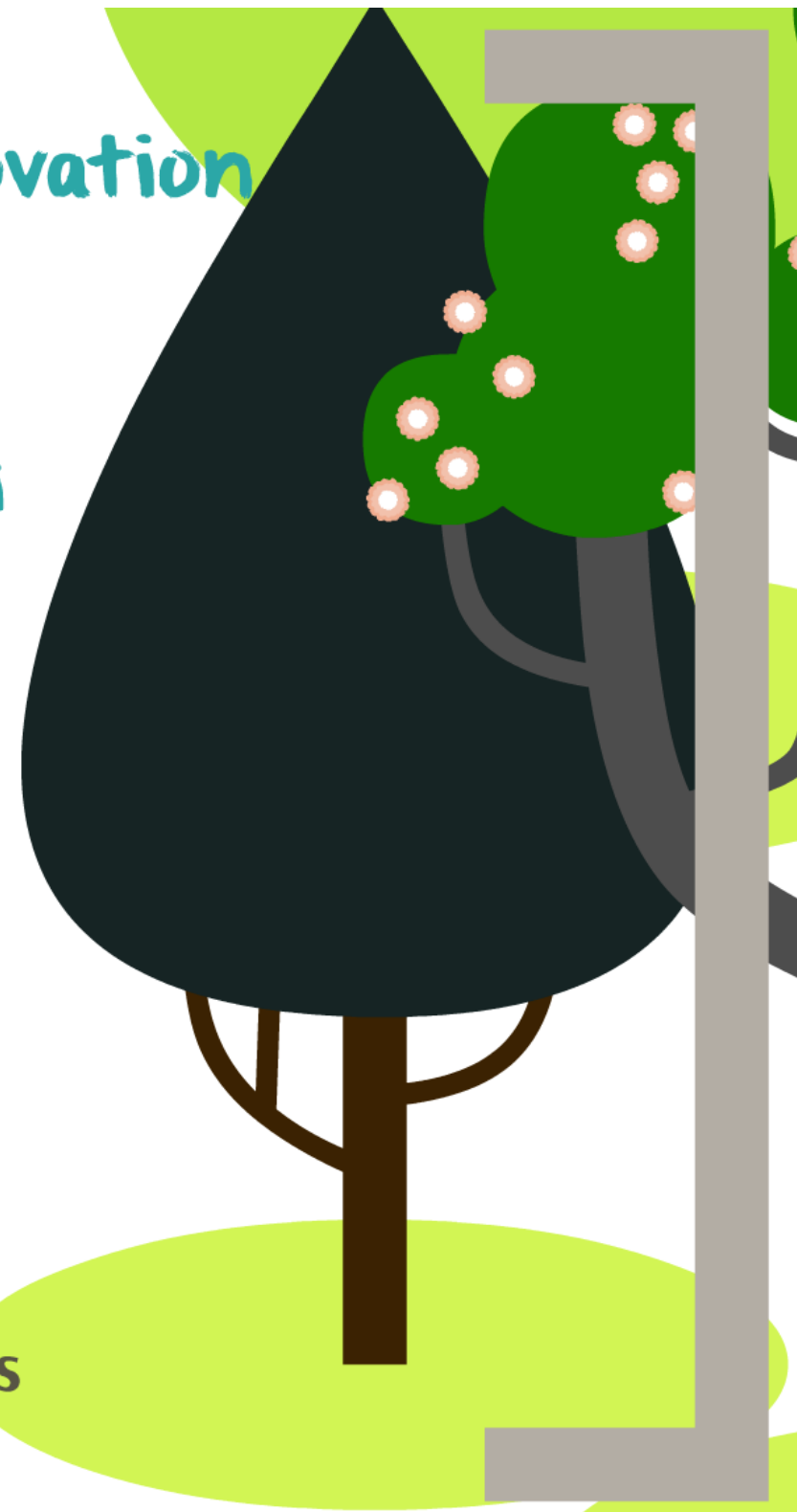# National ecosystem of innovation and competitiveness

Bucuresti   Timisoara   Cluj   Iasi

Excellence clusters, RO 2014

Tripartite partnerships

ICT Companies   R & D Institutions   Universities

Innovative ICT products & services

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ICT in Education and Digital Literacy

ICT use in Romania, 2012:

EC, Digital Agenda Scoreboard, 2014

73% of schools (I - XII) have a website

84% of vocational schools have a website

63% of universities have eLearning platforms

1,6% of adults (16-54 years) are following educational & training programs

Romania's Interventions, 2014 - 2020:

- ICT infrastructure for primary & secondary pupils
- eCatalogue & digital books at national level
- software for educational use
- the "National Learning Platform" & the National Digital Library
- wifi access to every school & campus
- digital skills for teachers & students
- OER and Web 2.0 in the teaching-learning process
- Life-Long-Learning using intelligent ICT
- extra-curricular activities with the use of ICT.

ICT in Culture.
Preserving cultural patrimony digitally.

1. Europeana.eu

- Network of european patrimony repositories: over 2300 contributors of digital content
- Virtual data bank: 31.5 mil digital objects (19 mil images, 12 mil texts, 0.5 mil audio, 0.2 mil video and 15 000 3D objects)

Romania's contribution, aug. 2014 : 61.404 digital items.
Target for 2015: 750.000 digital items.

2. Romania's intervention for every library, 2014 – 2020:

- transforming libraries in knowledge shelters for: farmers, entrepreneurs, disadvantaged people, local leaders, teachers & pupils
- delivering new services, locally tailored

europeana
think culture

eHealth and Telmedicine in Romania

ICT assisted medicine means:

- health care services that are currently unavailable (delivered in specialized polyclinics)
- screening programs with high quality control
- high quality of life for elders
- social inclusion for remote citizens.

National interventions, 2014 - 2020:

- assuring interoperability for existing medical information systems
- telemedicine, through:
  - specialized medical services after-hospitalization, ambulatory
  - access to specialized ambulatory services for rural population.

elnclusion

Romania's intervention, 2014 - 2020:

Spreading local **Public Points of Access to Information** throughout disadvantaged communities, as shelters for:

- integrated community knowledge
- accessing multiple information
- developing, implementing & monitoring new projects
- delivering new, community-based services.

Best practice, at the root of Digital Agenda for Romania: Knowledge based Economy Programme.

source of img.:www.muya.info

Beneficiaries are determined by:

- disadvantaged geographical location
- weak economical conditions
- low or zero ICT infrastructure and Internet access
- low or zero digital skills.

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We take care of every citizen :)

"eGovernment is growing towards weGovernment!
This new generation of eGov services stands as the best opportunity for Europe for creating a more sustainable public sector socially, economically and ecologically."

(Neelie Kroes, Commissioner for Digital Agenda for Europe 2020, EC Vice-president)

Business environment and social responsibility

Starting & developing a business
Changing of a business' operation
Obtaining financing sources & support for companies
Terminating a business
Denouncing illegalities

Education and becoming independent

Enrollment in primary/high/ university education
Registration with a library
Obtaining the driving license
Voting
Insuring personal future
Concluding contracts

Travel and Immigration

Guides & travel information
Obtaining a passport
Obtaining a visa
Immigration in Romania
Obtaining RO citizenship

Taxes and charges

Registration & payment of taxes and charges
Purchasing a vehicle
Purchasing / renting a lodging place

Family and Health

Birth / Death
Marriage / Divorce
IDs
Adoption
Allowance for child raise
Registration of allocation for disabled people
Programming a medical consult in a hospital

Obtaining a job

Looking for a job
Losing a job
Retirement
Work accidents & incapacity

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It is possible to live online?

Smart City – the digital technologies translate into better public services for citizens, more efficient use of ICT resources and a lower impact on the environment.

Yes! the Romanian Digital Agenda supports smart living.

Environment: using ICT for building a sustainable economy with lower CO2 emissions

Health: a more efficient European health system using ICT

Public services: ICT should deliver electronic public services to citizens and business environment

Trust and Safety: ICT should combat world-wide social exclusion, fraud and abuse issues.

Prezi

Thank you!

Start living smart. Join and contribute to the Romanian Digital Agenda implementation.

Diana VOICU, MBA

Secretary of State
Ministry for Information Society

www.facebook.com/DigitalAgendaforRomania

MINISTRY FOR INFORMATION SOCIETY