

V4DIS

Visegrad Four for Developing Information Society

Země V4 na cestě k informační společnosti v roce 2018

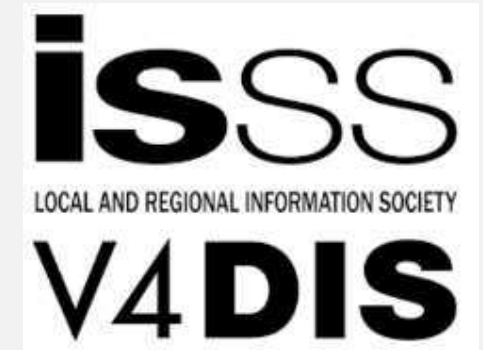


ISSS
LOCAL AND REGIONAL INFORMATION SOCIETY
V4DIS



Prezentace

- **Základní informace o projektu, o zemích V4, kontext EU**
- **IS v číslech**
 - Index DESI
 - Eurostat
 - UN eGov Survey (index EGDI)
- **Smart Cities / Regions**
 - Ve světě
 - V zemích V4
- **Závěry a doporučení**



Projekt V4DIS 2018

Podpora International Visegrad Fund

Cíl

- Podpora inovativních způsobů využití ICT (eGov) v místní a regionální správě
- On-line služby, koncept Smart Cities, eTourism
- Sdílení zkušeností (V4DIS 2018, přednášky)
- Podpora plnění cílů EU v oblasti eGov/Smart Cities v zemích V4

+ Ohlédnutí

- Za vývojem v posledních 5 letech
- Projekt 2012/13, nositel Kraj Vysočina, partneři ze zemí V4
- publikace LDA-V4 2013
www.kr-vysocina.cz/lda-v4.asp



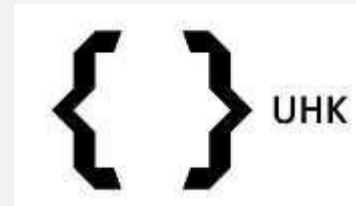
Účastníci projektu V4DIS 2018

Nositel: Český zavináč (ČR)



ČR

- Univerzita Hradec Králové
- Hl. m. Praha



Maďarsko

- město Karcag

Polsko

- European Centre for Inf. Soc. Technologies



Slovensko

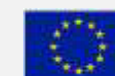
- Únia Miest Slovenska



Spolupráce a podpora: Kraj Vysočina, Královéhradecký kraj

Země V4 – základní informace

2017



	CZ	HU	PL	SK	EU28
Rozloha (tis. km ²)	78,9	93,0	312,7	48,8	4 463,6
Počet obyvatel (mil.)	10,6	9,8	38,1	5,4	511,5
HDP na obyv. PPS, EU28=100	84	68	68	77	100
Nezaměstnanost (%)	2,4	3,8	4,5	7,5	7,3
Výdaje na vědu a výzkum / R&D, %HDP (2015)	1,93	1,36	1,0	1,18	2,04
DESI 2017 – Digital Economy and Society Index	50	45,9	42,6	45,9	52,2





Informační společnost - EU

Strategie

- Europe 2020
- Digital Agenda for Europe (DAE 2010 – 2020)
 - Digital Single Market
 - Interoperability and standards
 - Online trust and security
 - Fast and ultrafast internet for all
 - Research and innovation
 - Digital literacy, skills and inclusion
 - ICT-enabled benefits for EU society



Útvar / EC Department

- DG CONNECT

Financování

- Strukturální fondy (kohezní politika, ERDF, ESF, *2014-2020)
- Komunitární programy (Horizon 2020, Life, Erasmus, Interreg...)



EU Digital Economy and Society Index (DESI)

- Digital Agenda for Europe (DAE 2020)
- Digital Single Market



<https://digital-agenda-data.eu/datasets/desi/indicators>

Main DESI dimensions / Sub-dimension

1 Connectivity (25%)

sub-dimensions: 1a Fixed Broadband (33%), 1b Mobile Broadband (22%), 1c Speed (33%), 1d Affordability (11%)

2 Human Capital (25%)

2a Basic Skills and Usage (50%), 2b Advanced skills and Development (50%)

3 Use of Internet (15%)

3a Content (33%), 3b Communication (33%), 3c Transactions (33%)

4 Integration of Digital Technology (20%)

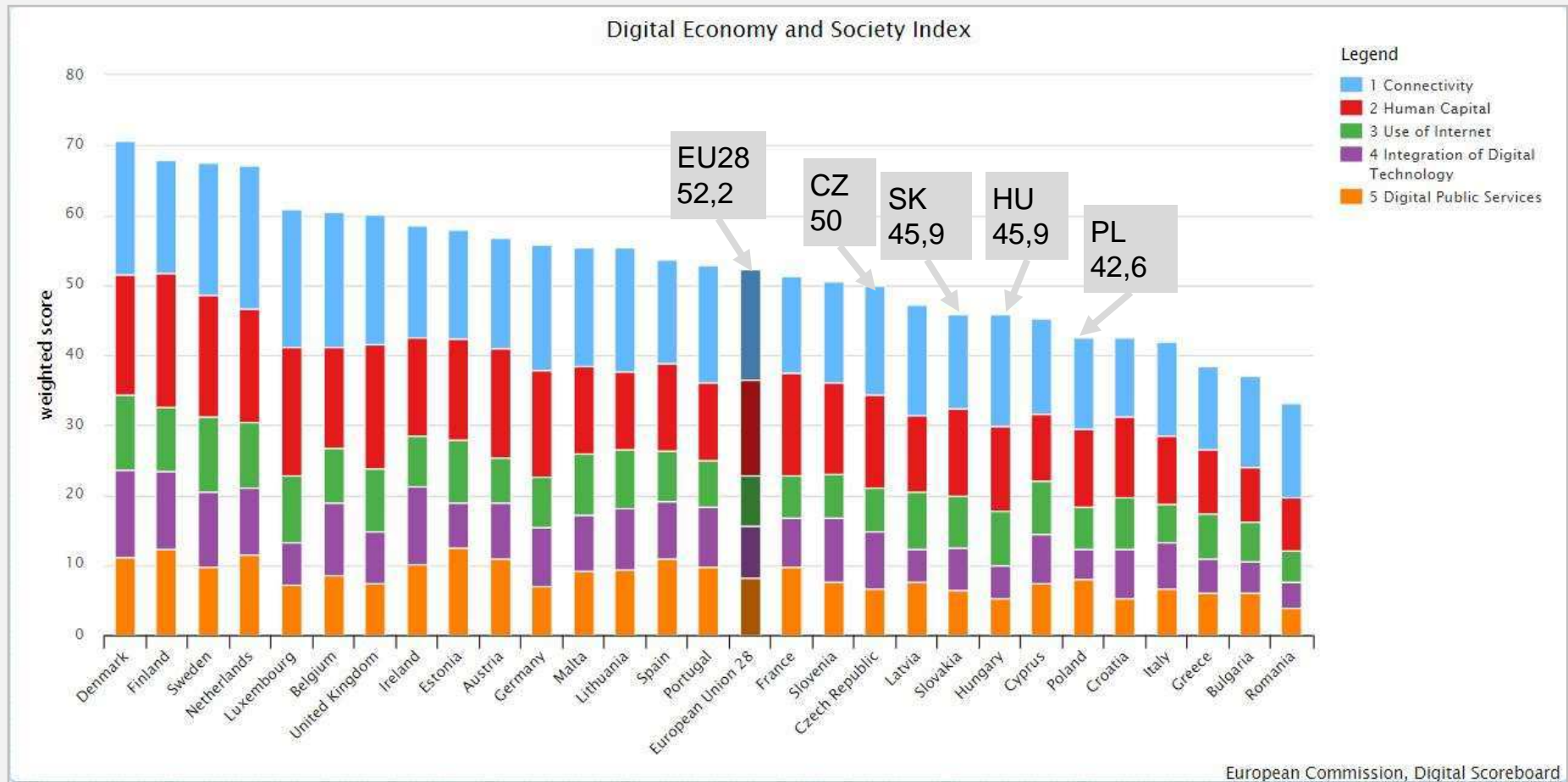
4a Business digitization (60%), 4b eCommerce (40%)

5 Digital Public Services (15%)

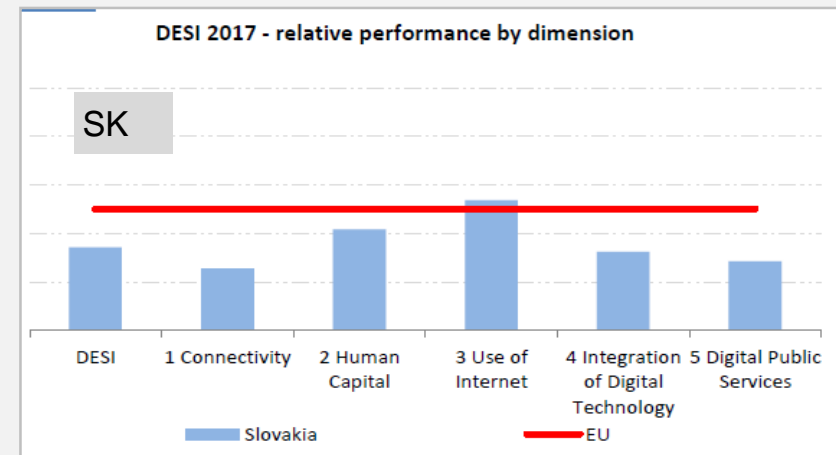
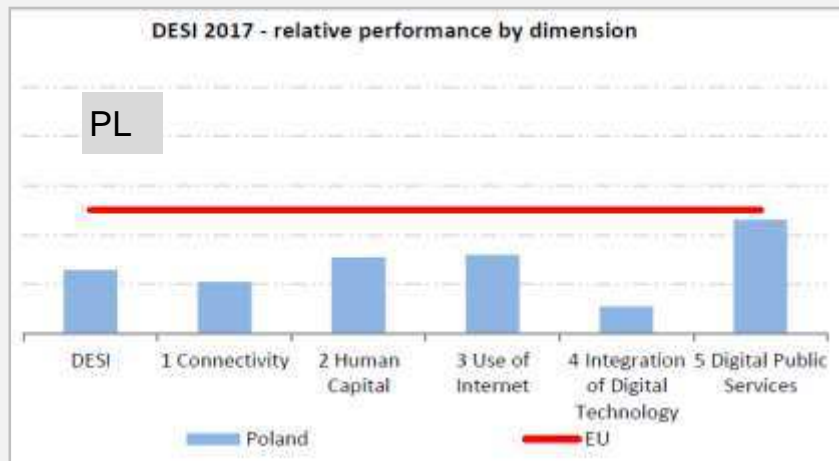
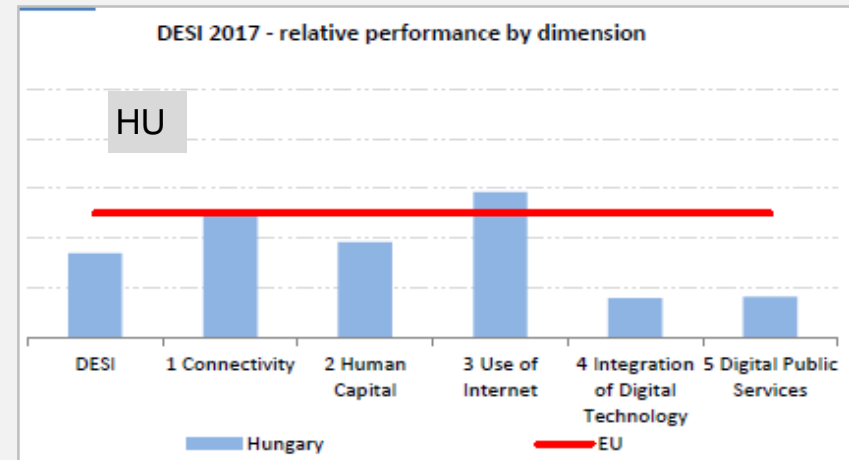
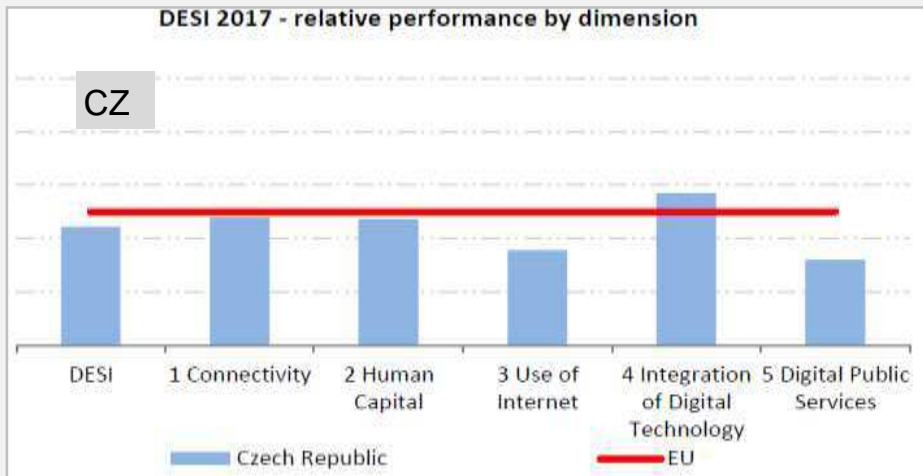
eGovernment (100%)

5a1 eGovernment Users (25%), 5a2 Pre-filled Forms (25%), 5a3 Online Service Completion (25%), 5a4 Open Data (25%)

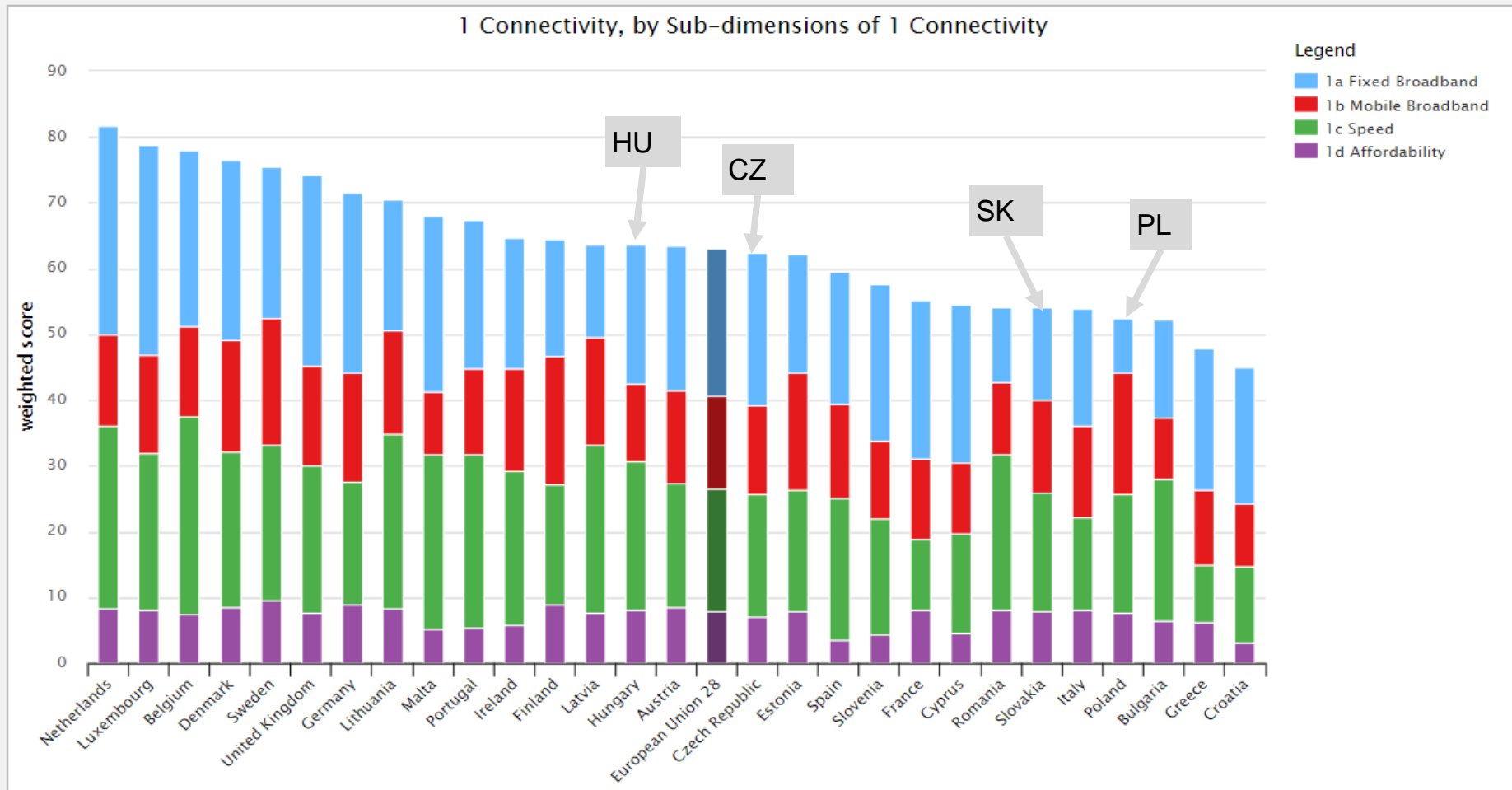
EU Digital Economy and Society Index (DESI)



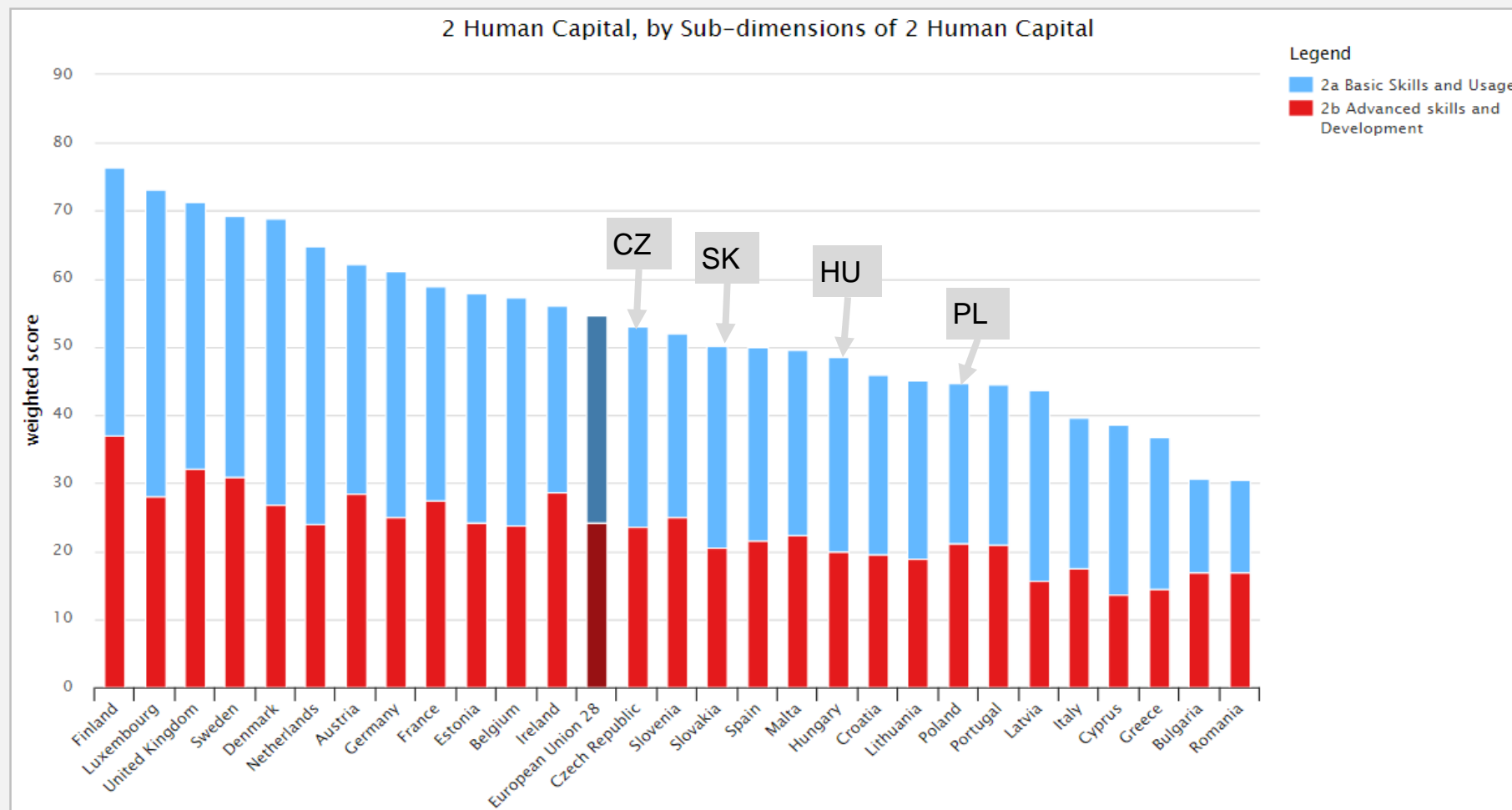
V4 Countries x EU28



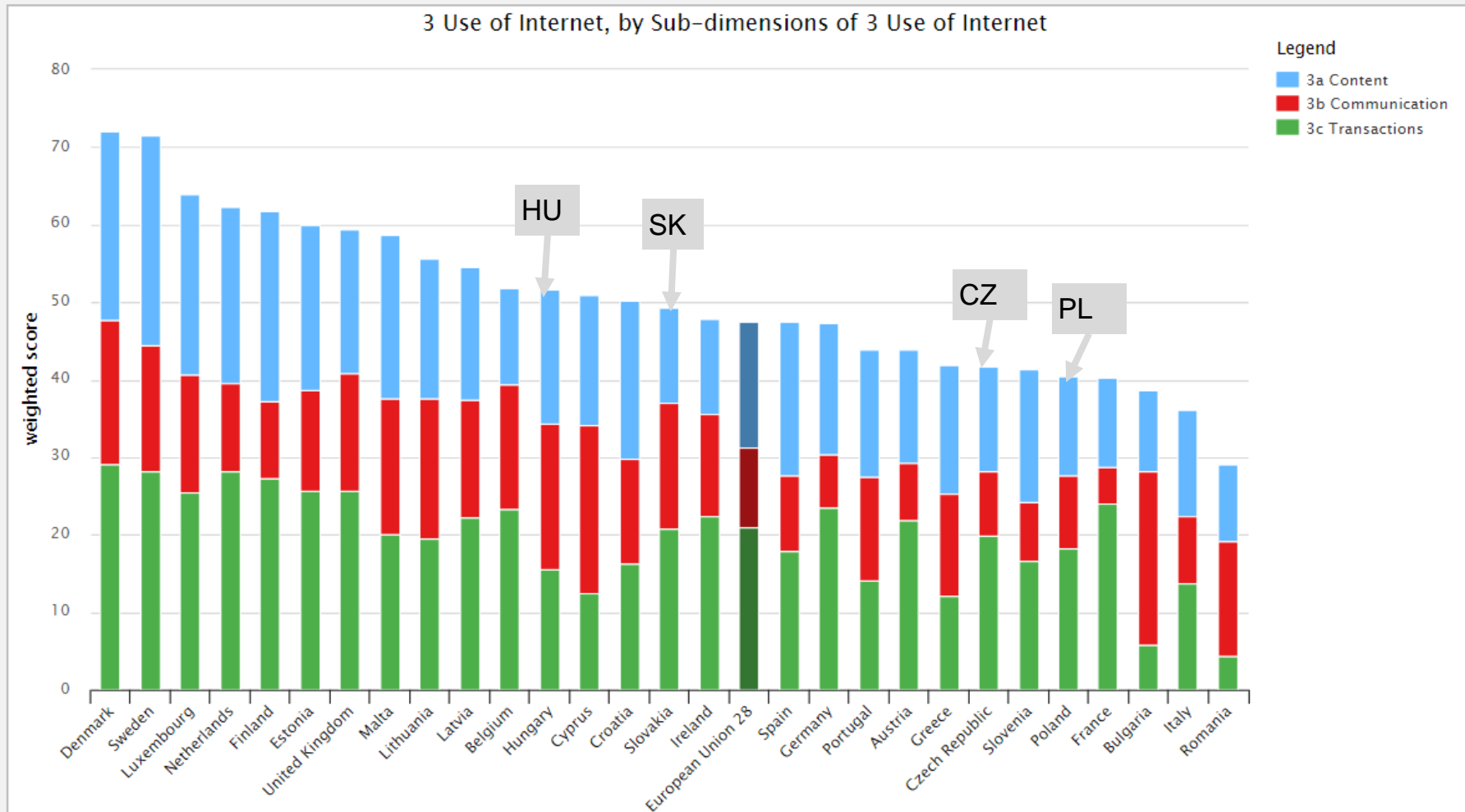
DESI - 1 Connectivity



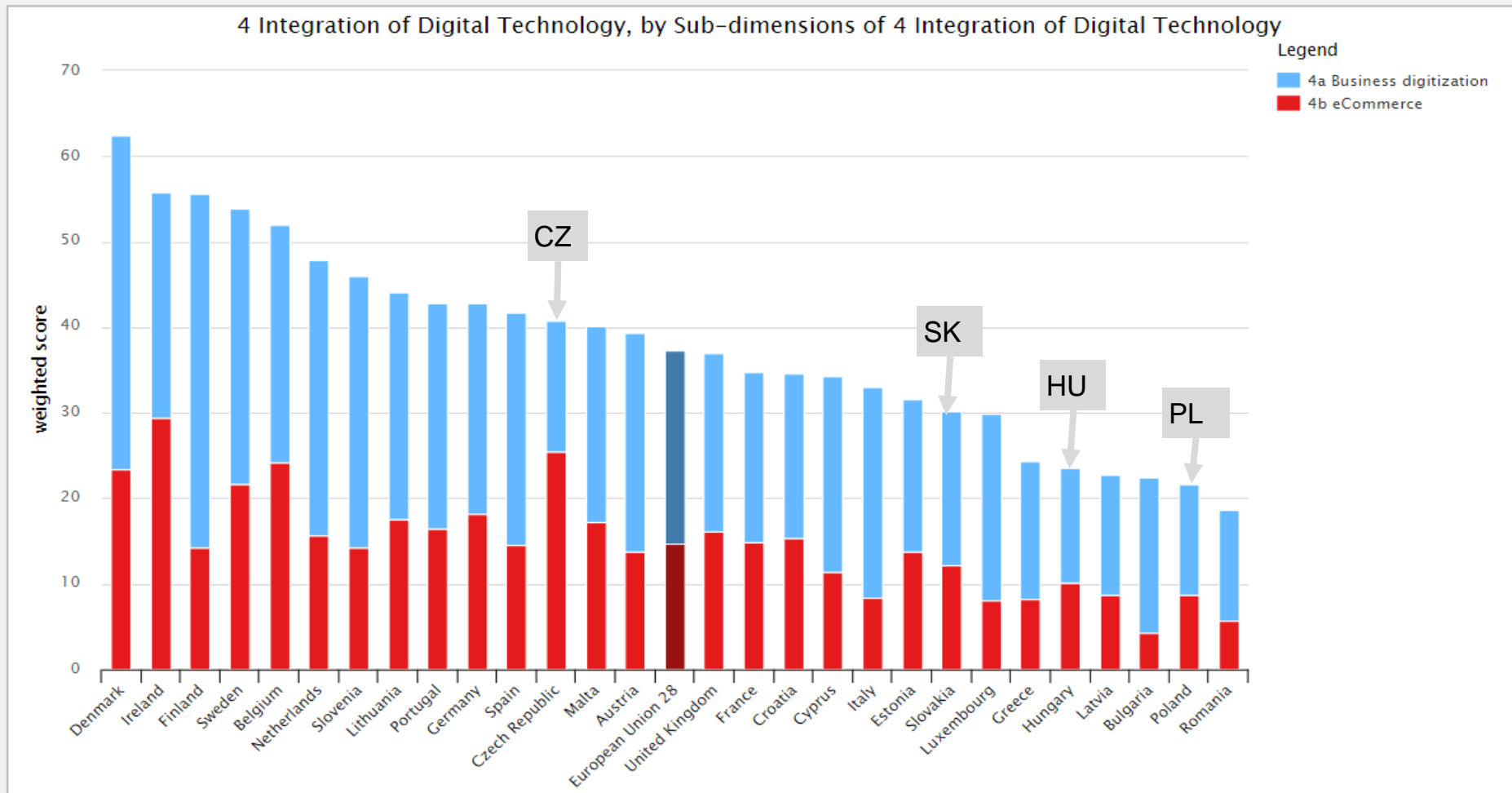
DESI – 2 Human Capital



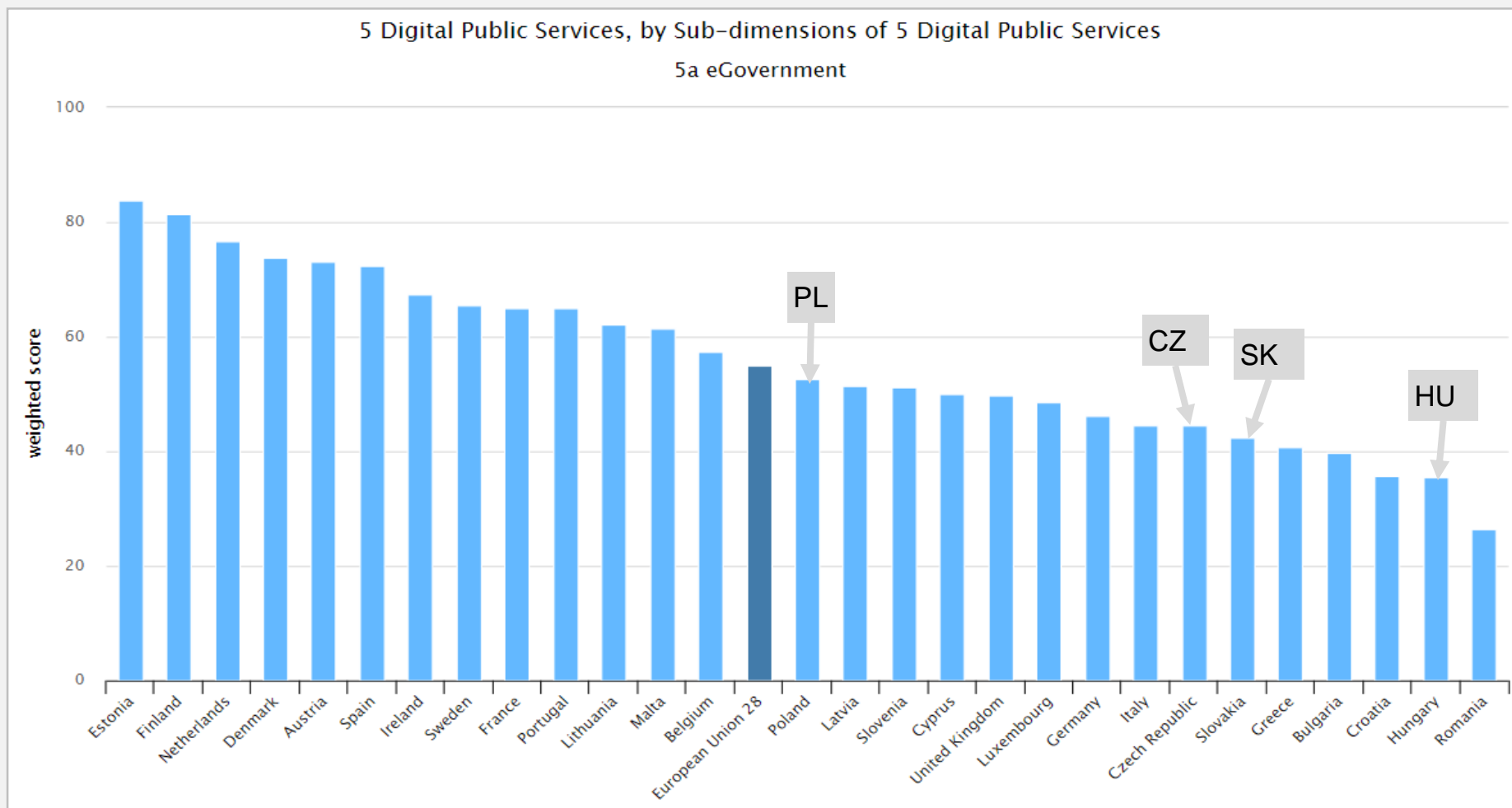
DESI – 3 Use of Internet



DESI – 4 Integration of Digital Technology

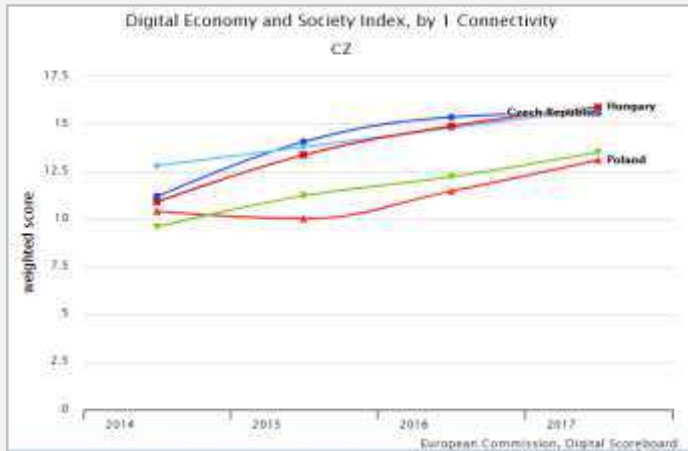


DESI – 5 Digital Public Services

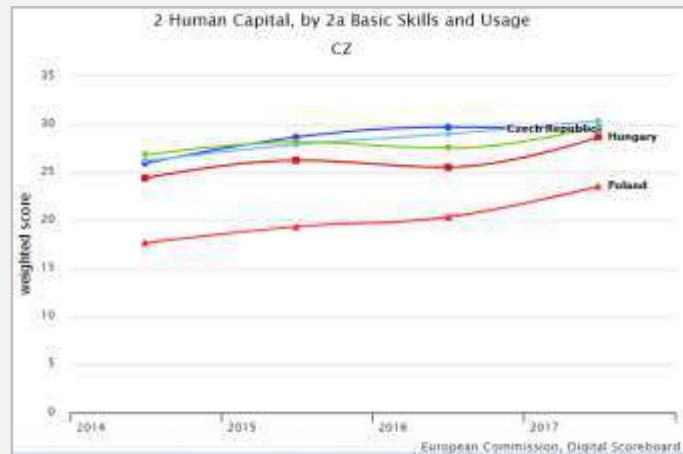


DESI – Development 2014 - 2017

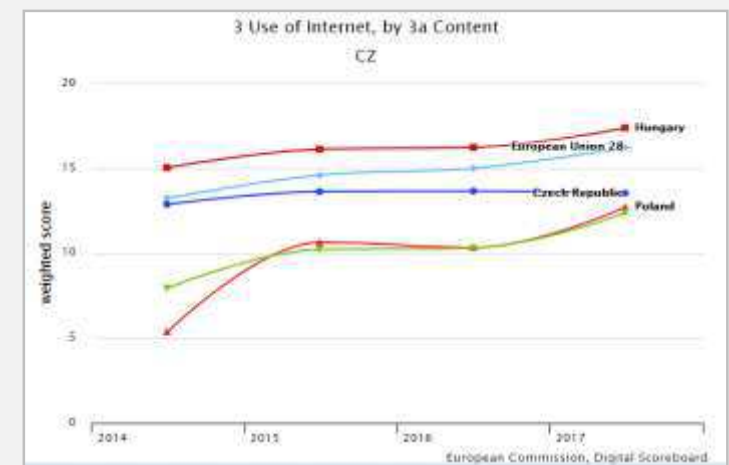
1 Connectivity



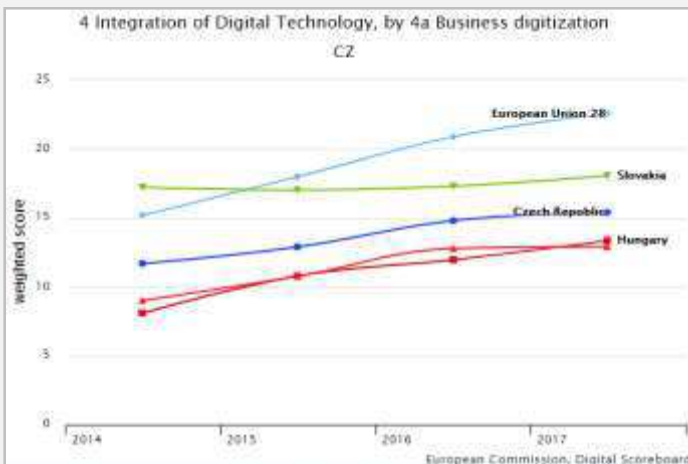
2 Human Capital



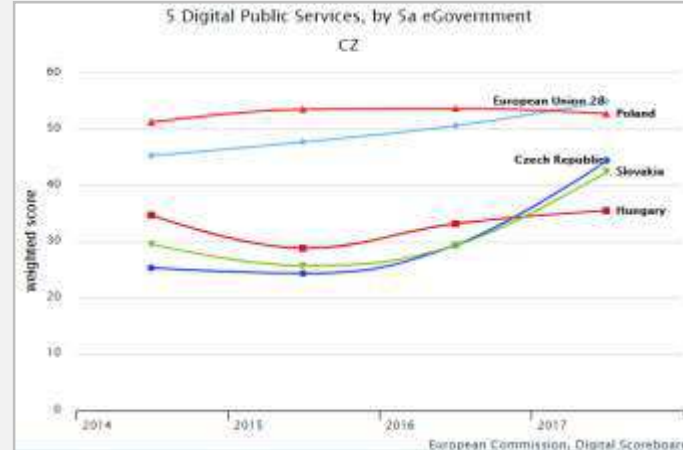
3 Use of Internet



4 Integration of Dig. Technol.



5 Digital Public Services



2014-2017

EU28
CZ
HU
PL
SK

EUROSTAT – Digital Economy and Society (ISOC)

Topic area

- **Science, Technology and Digital Society**
 - Digital Economy and Society

<http://ec.europa.eu/eurostat/web/digital-economy-and-society/overview>

The screenshot shows the Eurostat website interface. At the top, there is a search bar and navigation links for News, Data, Publications, About Eurostat, and Help. The main content area is divided into several sections: 'NEWS RELEASES' featuring a headline about 'Annual growth in labour costs at 1.5% in euro area' with a sub-headline 'AREA' and a brief description; 'WHAT'S NEW?' with a grid of small news items; 'DATA' with icons for 'Most popular series', 'European balance', and 'Workforce & E-employment'; and 'ECONOMIC TRENDS' with a line graph showing 'Inflation (y change)' for the 'European Union' with a value of 1.3%.

The image shows the cover of the publication 'Digital economy & society in the EU' 2017 edition. The cover features a central graphic of a hand pointing towards a cluster of colorful icons representing digital technology, communication, and business. To the right of the graphic, there is a text box with the title 'Browsing, chatting, online shopping...' and a paragraph of text. Below the text box, there are four bullet points describing the content of the publication. At the bottom right, there is a 'Start now' button.

Digital economy & society in the EU
A BROWSE THROUGH OUR ONLINE WORLD IN FIGURES 2017 edition

Browsing, chatting, online shopping...

...are among our everyday activities that use information and communication technologies (ICT), such as computers, laptops or smartphones. Nowadays, we spend a considerable part of our time online for various reasons, whether at work, at school or university, at home or on the move. Often we depend on our digital devices to stay in contact with family and friends, to get directions to shops, hotels and restaurants or to check our bank accounts. We are truly a digital society!

Online, businesses operate within a digital environment; more and more they conduct business electronically with their partners and interact online with customers. The internet is the cornerstone for their e-business operations as it provides limitless capacities to connect people and businesses worldwide.

This digital publication, developed by Eurostat, provides easily understandable statistics on several ICT-related topics and presents them using text, interactive data visualisations and an animation. It aims to provide answers to some common questions, for example, about internet use, but also covers some more specific and less known aspects such as digital skills and e-Sign.

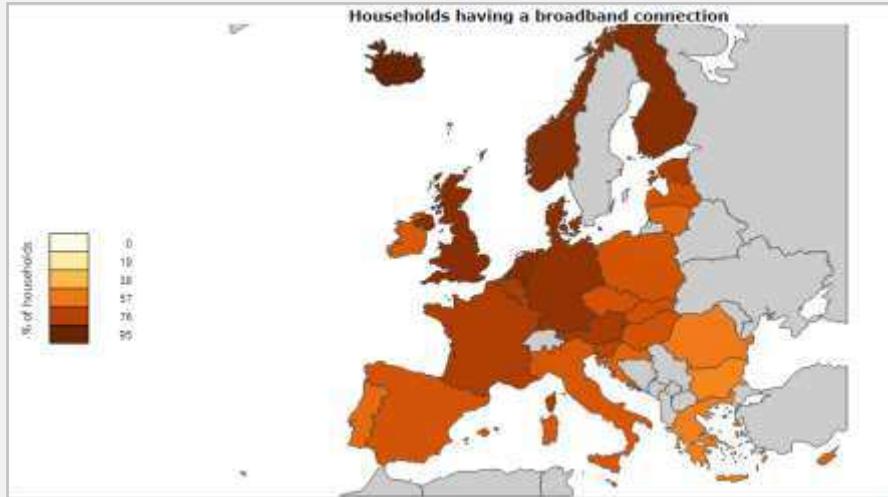
The publication is divided into 4 chapters:

- Chapter 1 **Profile of the digital society & businesses** focuses on how and for which purposes people and businesses go online, on digital skills and ICT specialists. It includes, among others, information on mobile internet access, internet activities, use of social media as well as the employment of ICT specialists.
- Chapter 2 **E-commerce** looks in detail at e-commerce from two perspectives: people ordering goods and services online and businesses selling electronically.
- Chapter 3 **Internet security & the cloud** provides information about aspects related to privacy and the protection of personal information online, ICT security, policies of businesses as well as about private and business use of cloud services.
- Chapter 4 **What is the digital single market about?** gives some background information about the content and goals of the EU policy concerning the creation of the digital single market which is one of the top political priorities of the European Commission.

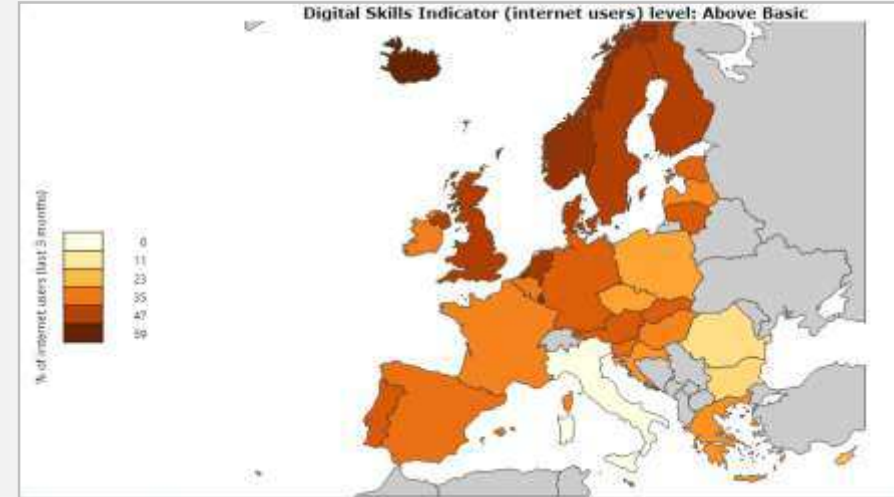
Start now

EUROSTAT – Indicators / examples

Households with broadband



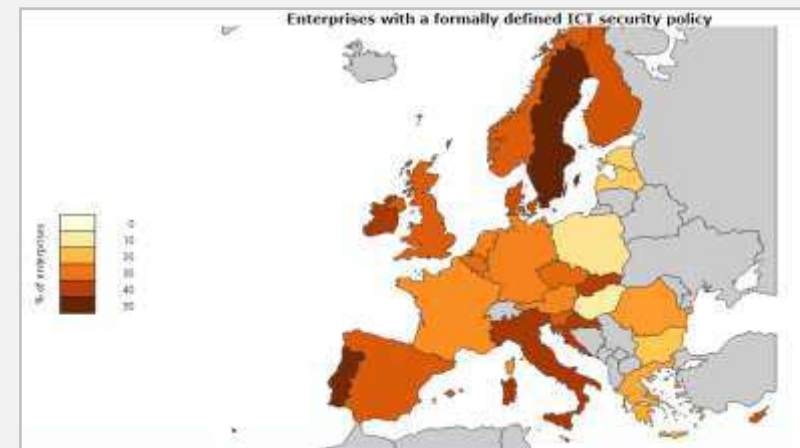
Digital Skills



Submitting forms over the internet



Enterprises with ICT security policy



United Nations E-Gov Survey 2016

United Nations – E-Government Development Index (EGDI)



- UN Department of Economic and Social Affairs
- Sustainable Development Goals (SDGs), 2030
- Surveys 2003 – 2016
- 128 from 193 UN countries online datasets

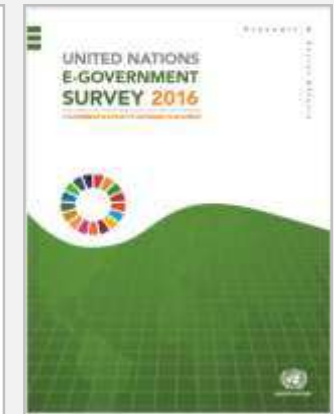
E-Government Development Index (EGDI)

- Online Service Index, OSI
- Telecommunication Infrastructure Index, TII
- Human Capital Index, HCI

<https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2016>

United Nations E-Gov Survey 2016 (EGDI)

Country	Region	EGDI
1. United Kingdom	Europe	0.9193
2. Australia	Oceania	0.9143
3. Republic of Korea	Asia	0.8915
4. Singapore	Asia	0.8828
5. Finland	Europe	0.8817
6. Sweden	Europe	0.8704
7. Netherlands	Europe	0.8659
8. New Zealand	Oceania	0.8653
9. Denmark	Europe	0.8510
10. France	Europe	0.8456
11. Japan	Asia	0.8440
12. USA	Americas	0.8420
13. Estonia	Europe	0.8334
14. Canada	Americas	0.8285
15. Germany	Europe	0.8210
16. Austria	Europe	0.8208
17. Spain	Europe	0.8135
18. Norway	Europe	0.8117
19. Belgium	Europe	0.7874
20. Israel	Asia	0.7806



Country	Region	EGDI
36. Poland	Europe	0.7211
46. Hungary	Europe	0.6746
50. Czech Rep.	Europe	0.6454
67. Slovakia	Europe	0.5915

Smart Cities/Regions

- **Města – koncentrace obyvatel, ekonomiky, inovací**
- **Smart Cities – „módní“ výraz nebo opravdu nový koncept?**
- **Smart(er), Innovative, Intelligent, Sustainable, Liveable, Green, Future, Leading ... Cities**



Smart Cities – ve světě

■ World

- Singapore, Seoul, Copenhagen, Amsterdam, San Francisco, Boston, Tokyo, Bristol, Melbourne, Stockholm, New York, London, Vienna, Paris ...

■ Europe

- EUROCITIES: initiative Green Digital Charter
- Network, projects NICE, GuiDanCe
- **Collection of Case Studies 2017**
(24 examples from 21 cities, Cross-domain, Buildings, Energy, Transport, E-Participation, Green ICT, Waste management)
- Bristol (UK), Genova (IT), Vienna (AU), Lyon (FR), Tallin (EE), Valladolid (ES), Tampere (FI), Turin (IT), Nantes (FR), Amsterdam (NL), Manchester (UK), Utrecht (DE), Murcia (ES), Barcelona (ES), Prague (CZ), Dublin (IE), Guimaraes (PT), Roubaix (FR), Zaragoza (ES), Edinburgh (UK)





- Písek, Praha (Praha 3), Kolín, Pardubice, Vrchlabí, Brno ...
- Asociace: Czech Smart City Cluster
- Soutěže (2017): Chytrá města, Chytrá radnice
- Metodická podpora: MMR
- Průzkumy: ČNOPK



Smart Cities - HU



- Budapest ... (vision Smart Budapest)
- Győr, Miskolc, Szolnok, Sopron ...
- Intelligent cities - smart



Smart Cities - PL



- Warszawa, Gdansk, Lodz, Kielce, Jaworzno, Wroclaw, Rzeszów ...
- Event: Smart City Forum (VII/2018)
<http://en.smartcityforum.pl>



Smart Cities - SK



- Bratislava, Košice, Žilina, Kežmarok
Banská Bystrica, Žiar nad Hronom, Šaľa,
Poprad, Prešov, Moldava nad Bodvou ...
- Konferencie, podpora / financování (PPP),
asociace SSCC



Závěrečné hodnocení a doporučení

- Informační společnost v zemích V4 se nadále rozvíjí
- Země V4 patří k průměru v rámci EU
- Země V4 reagují na nové výzvy a trendy (Smart Cities)
- Osvědčuje se spolupráce a sdílení zkušeností (státy, regiony, města - horizontální i vertikální)
- Spolupráce veřejné správy, výzkumu, privátního sektoru, NGO
- Metodická a finanční podpora shora, podmínky pro iniciativu zdola
- Soulad s celkovou strategií, rozmyšlené cíle a kroky, řízení projektů, pilotní řešení/hodnocení/rozšiřování
- Nejen technologie, ale i postupy a principy (otevřenost, participace)
Propagace/oceňování best practices



Cíl inovací: nejen nová příležitost pro ICT sektor, nejen lepší administrativa státu, ale lepší a dostupné služby, město jako funkční organismus, lepší efektivita, udržitelnost, kvalita života ⇒ SPOKOJENÍ OBČANÉ

Kontakt

Projekt V4DIS

CZ Český zavináč, Univerzita Hradec Králové, Hl. m. Praha, **HU** město Karcag
PL European Centre for Inf. Soc. Technologies, **SK** Únia Miest Slovenska



Projekt V4DIS / konference

Český zavináč / Czech At, RNDr. Tomáš Renčín

Koordinátor projektu

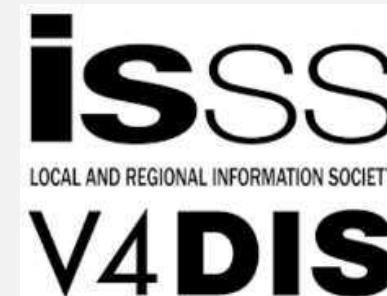
Marek Zubr, zubr@ceskyzavinac.cz

Odborná spolupráce

Jaroslav Šolc, jaroslav.solc@praha2.cz

www.ceskyzavinac.cz, www.visegradfund.org

Více na
konferenci



Děkuji za pozornost!