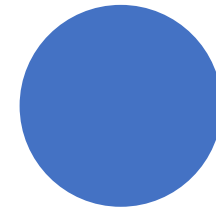


Key reasons for closer cooperation in CEE countries

David Bárta, CityOne,
ITAPA 13th November 2018

V4+ cooperation on Smart Cities



GLOBAL FLOWS—THE VOLUME OF TRADE, FINANCE, PEOPLE, AND DATA—ARE INCREASING



Global flows contribute
\$250 billion–\$450 billion
to yearly global GDP growth

Highly connected countries can see
40% more
GDP growth than the least connected



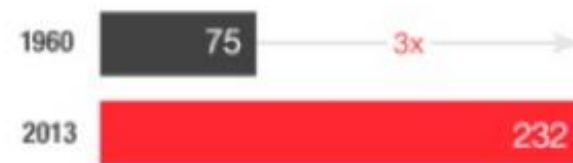
TRADE AND FINANCE

Goods, services, and financial flows, \$ trillion



PEOPLE

International migration, millions of people



Tourism

added \$2 trillion to GDP
and provided salaries to
100 million people in 2013



DATA

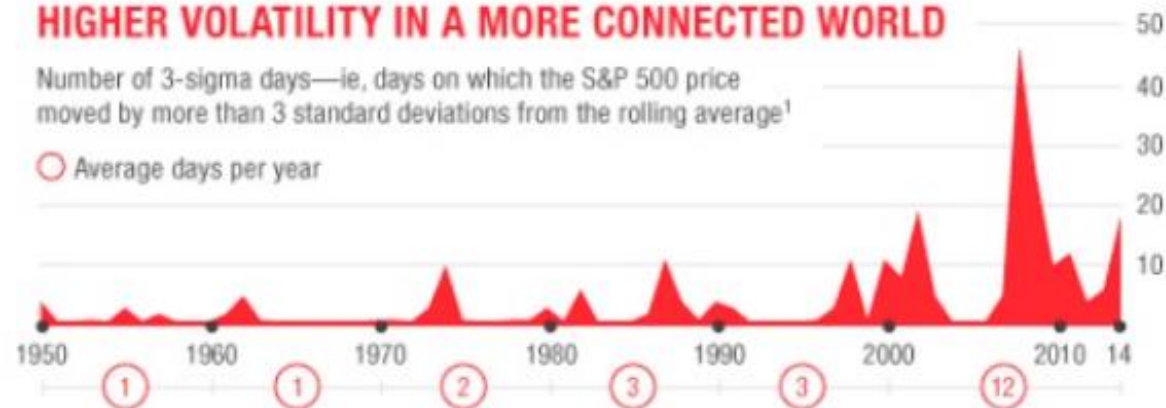
1.35 billion
monthly **Facebook** users in
2014—equivalent to the
population of China

500x
increase in global online
traffic, 2000 to 2012

HIGHER VOLATILITY IN A MORE CONNECTED WORLD

Number of 3-sigma days—ie, days on which the S&P 500 price
moved by more than 3 standard deviations from the rolling average¹

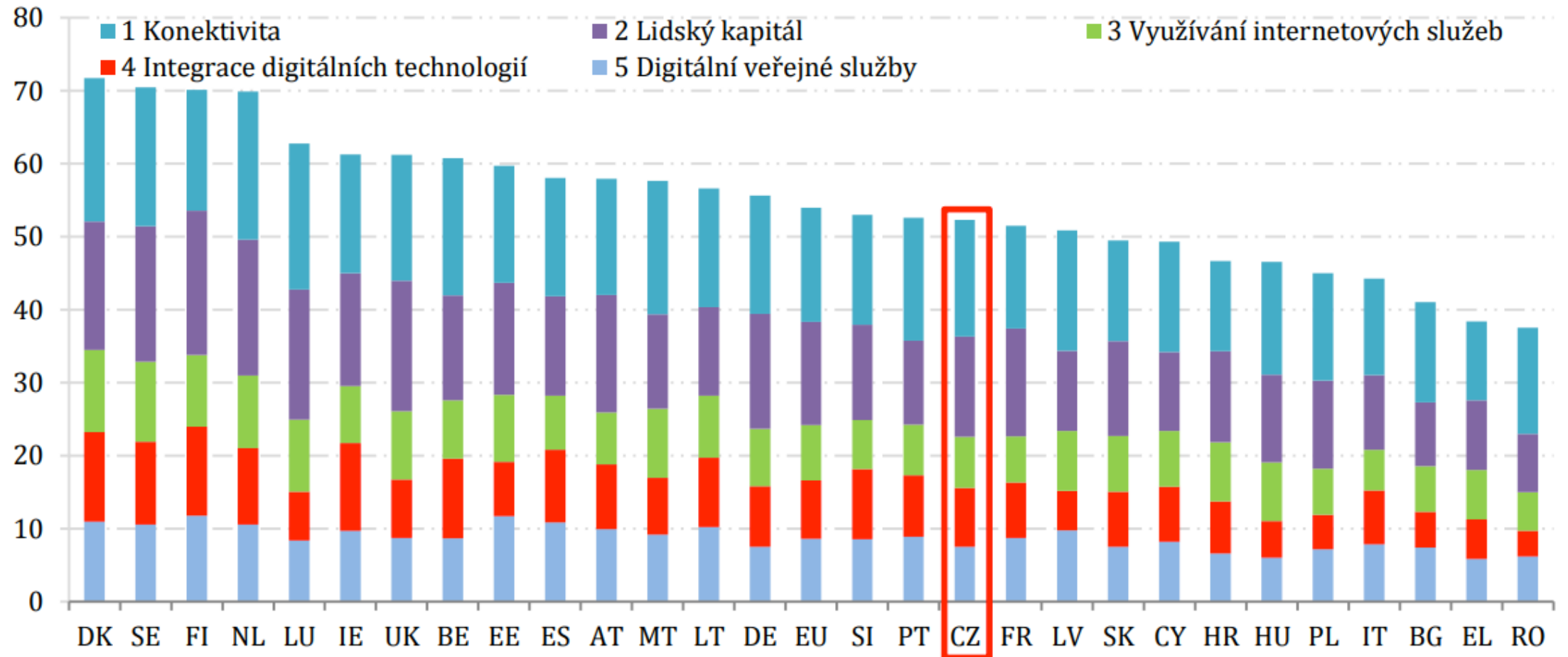
○ Average days per year



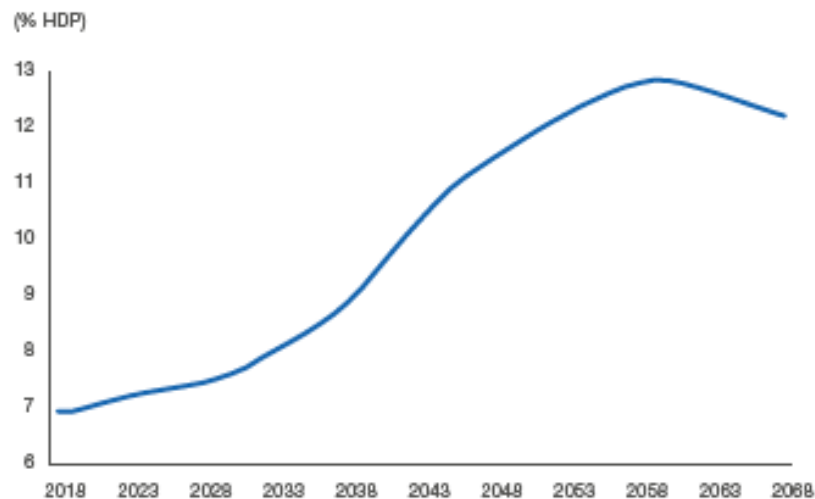
WHY: industry point

- **Global trends** – change of mindset, digital services
- Global competitiveness = Larger group = **V4+ ecosystems and market**
- **Sector strategies are not functional anymore**
- **New business models (service oriented future), design, marketing, branding, education and skills**
- CZ and SK automotive industry
- **Localisation, regional level**
- **Low level of added value** in the production chain
- **Low productivity**, we are not product finalists
- Low use of Company and university cooperation

Pořadí podle indexu digitální ekonomiky a společnosti (DESI) 2018

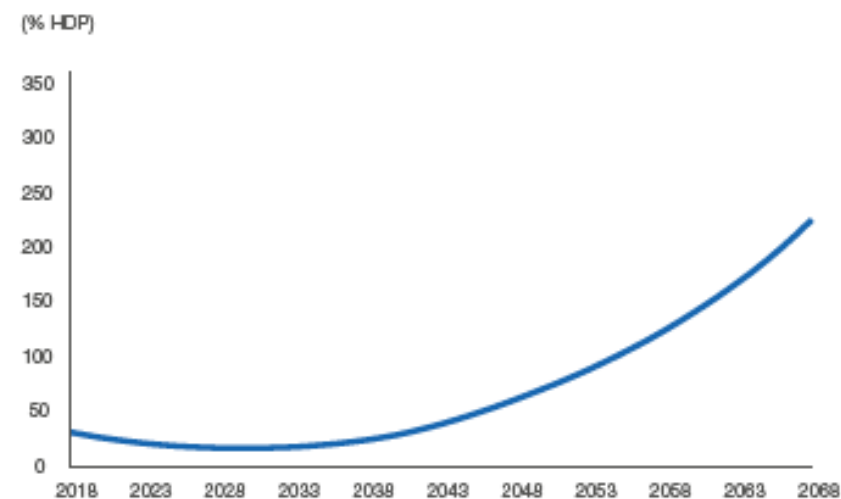


12,9 % HDP



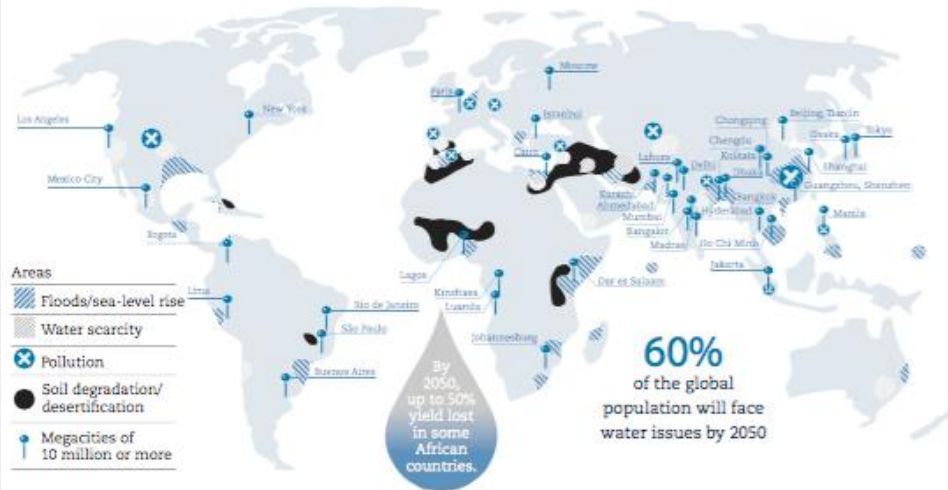
Výdaje na starobní důchody začnou během 30. let 21. století rapidně růst a budou kulminovat kolem roku 2059 na úrovni 12,9 % HDP.

230 % HDP



V případě zachování současného nastavení daňových a výdajových politik by podíl veřejného dluhu na HDP začal od poloviny 30. let 21. století narůstat a v padesátiletém horizontu by se vyšplhal až na 230 % HDP.

Areas of floods, water stress, pollution and droughts today, and locations of megacities in 2030^{1,2}

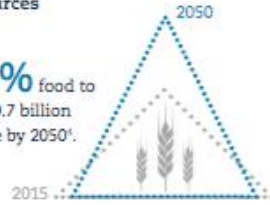


Growing tensions on water-food-land resources

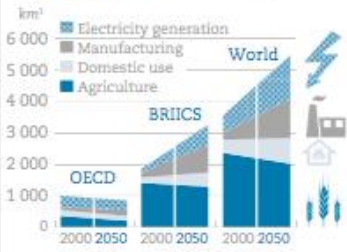


52% of agricultural land is already affected by moderate to severe degradation³.

+60% food to feed 9.7 billion people by 2050⁴.

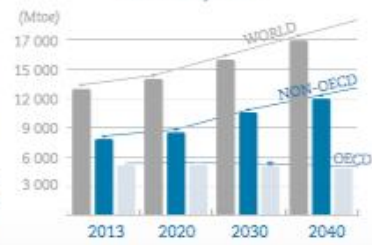


+55% water demand by 2050⁵.



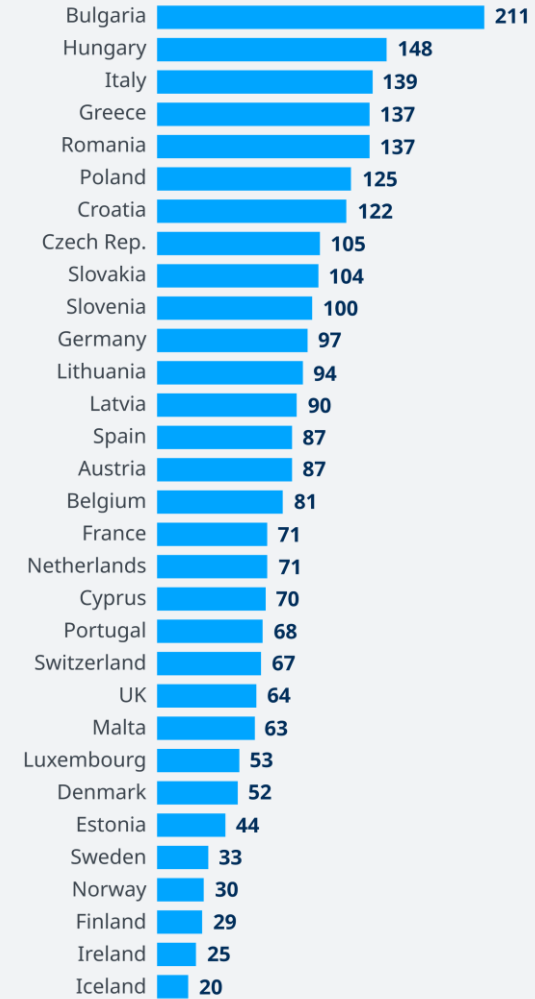
Economic growth in non-OECD will drive further increases in global energy consumption. Asia will account for around 60% of the total increase⁶.

+37% increase in global energy demand by 2040⁶.



The human cost of air pollution

Premature deaths due to air pollution* in 2015 per 100,000 people



Innovative company/administration

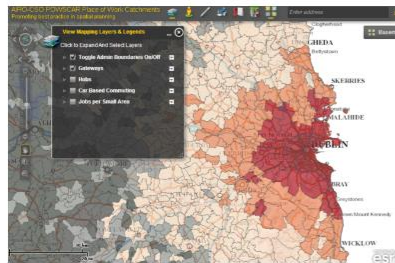
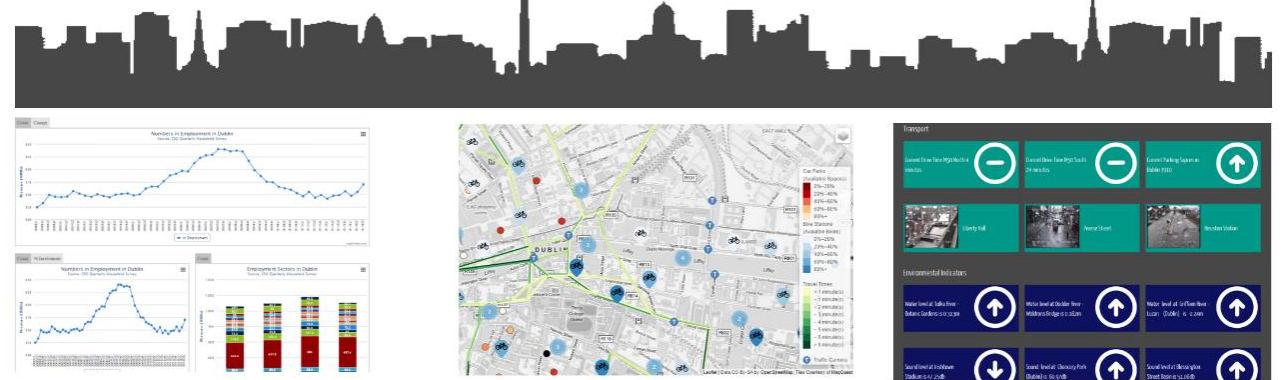
- Needs specification = targeted products
- Openness and ability to cooperate: a part of ecosystem = local market, part of the whole value chain
- People make ideas = success, make things different – the basic of success, Employees become business partners (opportunities sharing)
- Diversification of incomes
- More options to make the customers to choose, interconnection, long term vision
- Experience, not products

Innovative public sector

- Stable funding and organization support to innovations
- Only V4+ market is sufficient to make a future global impact – cooperation!!!
- Sharing of good and bad practice, know how, experts, funding
- Network of „national innovation catapults“ – profit from a wider network of experts and innovations
- Standardization – support of stable value chain
- Citizens/visitors = consumers – expect the innovative public sector services to be deployed on international level

Innovative public services standard: monitor, measure, digital planning, evaluation also by AI

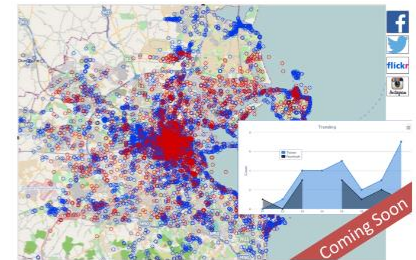
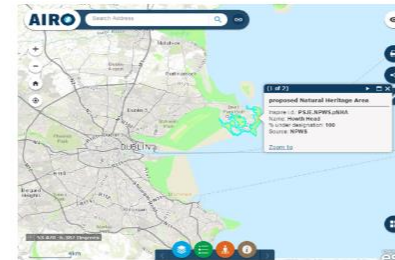
DublinDashboard City Intelligence



AIRO Datasore Search

Title	CSV	XML	JSON	PDF	HEALTH	AGENCY	AREA	COORDINATE
Meeting regarding the EIR - Rosinacree	✓	✓	✓	✓	Meeting	Central Dublin Office	Rosinacree	Electoral Division
Meeting regarding the EIR - St. Stephen's	✓	✓	✓	✓	Meeting	Central Dublin Office	St. Stephen's	Electoral Division
Meeting regarding the EIR - South Dublin	✓	✓	✓	✓	Meeting	Central Dublin Office	South Dublin	Electoral Division
Meeting regarding the EIR - South Dublin	✓	✓	✓	✓	Meeting	Central Dublin Office	South Dublin	Electoral Division
Meeting regarding the EIR - Tallaght	✓	✓	✓	✓	Meeting	Central Dublin Office	Tallaght	Electoral Division
Meeting regarding the EIR - Westland Hill	✓	✓	✓	✓	Meeting	Central Dublin Office	Westland Hill	Electoral Division
Meeting regarding the EIR - Westland Hill	✓	✓	✓	✓	Meeting	Central Dublin Office	Westland Hill	Electoral Division

Smart public services result in City digital dashboard



Media support and public discussion

- CITY:ONE, Smart governance – actual autumn edition
- URBIS 2019, 5-6th June
- Innovative public services web as a part of the Strategic Framework Smart City project
- 13th December 2018 – Czech conference for cities and towns on „innovative public services“

