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# Is there a renaissance of small villages(!?)

*The 'smart' concept and multi-funded support of smart communities in Czechia*

The COVID-19 pandemic has shown the importance of community and digital skills, the need for a good digital infrastructure

Rut Bízková

Jan 18, 2022



# Specifics of the Czech Republic

many small villages, almost no raw materials, few energy raw materials,  
water just raining, an economy based on industry

Municipalities by population	Number of municipalities
Up to 300	2299
Up to 600	1535
Up 1000	969
Up to 2000	755
Up to 3000	248
Up to 5000	179
Up to 10 000	142
Up to 20 000	69
Up to 50 000	44
Up to 100 000	12
Above 100 000	6
<b>Total</b>	<b>6258</b>

# Whom are the "SMART" solutions for?

## Current and future citizens - inhabitants of villages

1. Silent generation - born 1925 – 1945
2. BABY BOOMERS generation - 1946 – 1964 – digital immigrants
3. Generation X - 1965 – 1980 – digital immigrants
4. Generation Y - 1981 – 1999 – digital natives
5. Generation Z 2000 – 2013 – digital natives
6. Generation ALPHA - born 2014 –

The number of university students in the population is growing - the share of women among university students is growing as well - the labour market will have to change significantly





# Global Goal 2030/2050

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Life is good in the Czech Republic

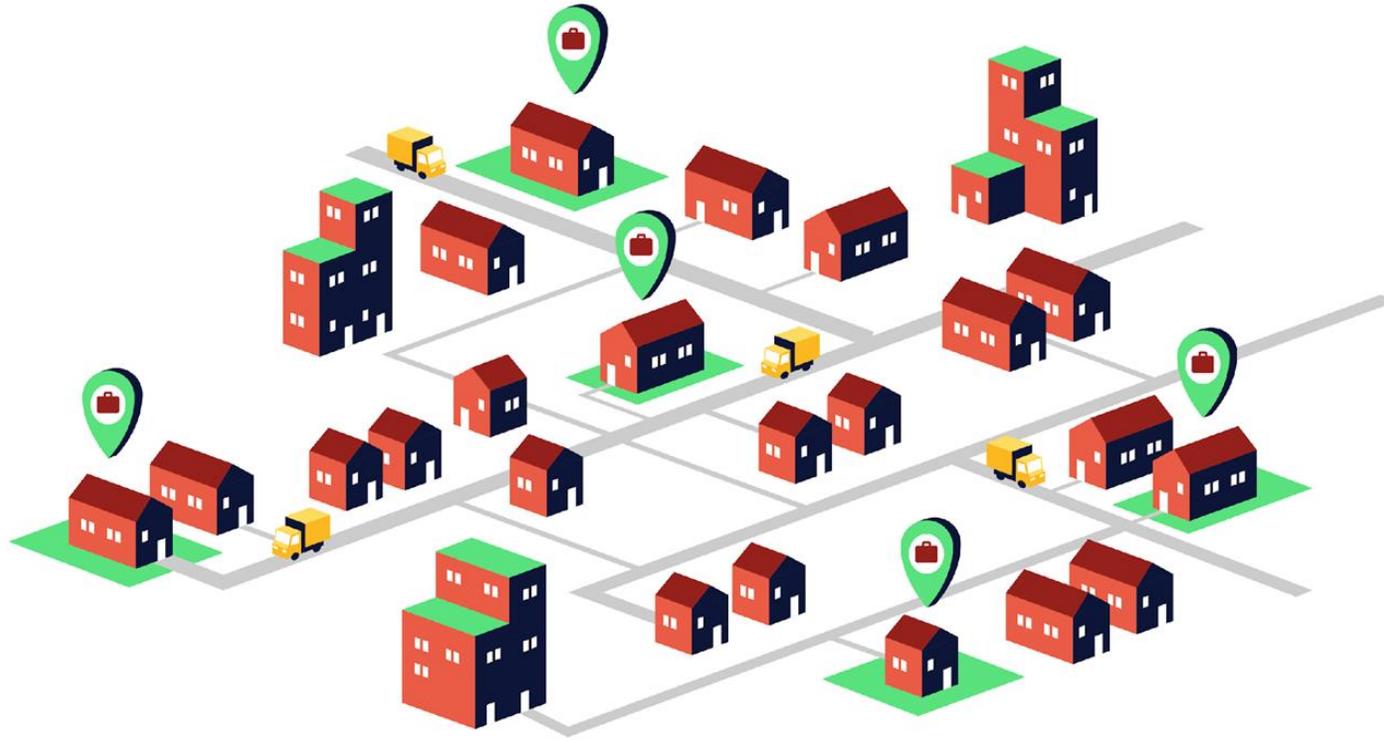
- for each person
- in any place
- under all circumstances (in big cities, towns and villages)

The Czech Republic is a prosperous country, it is the home of its inhabitants, it is managed sustainably, using all available (SMART) tools and new technologies.

The main accent: City of short distances, Czechia like the internet



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Město krátkých vzdáleností  
BUĎTE SMART



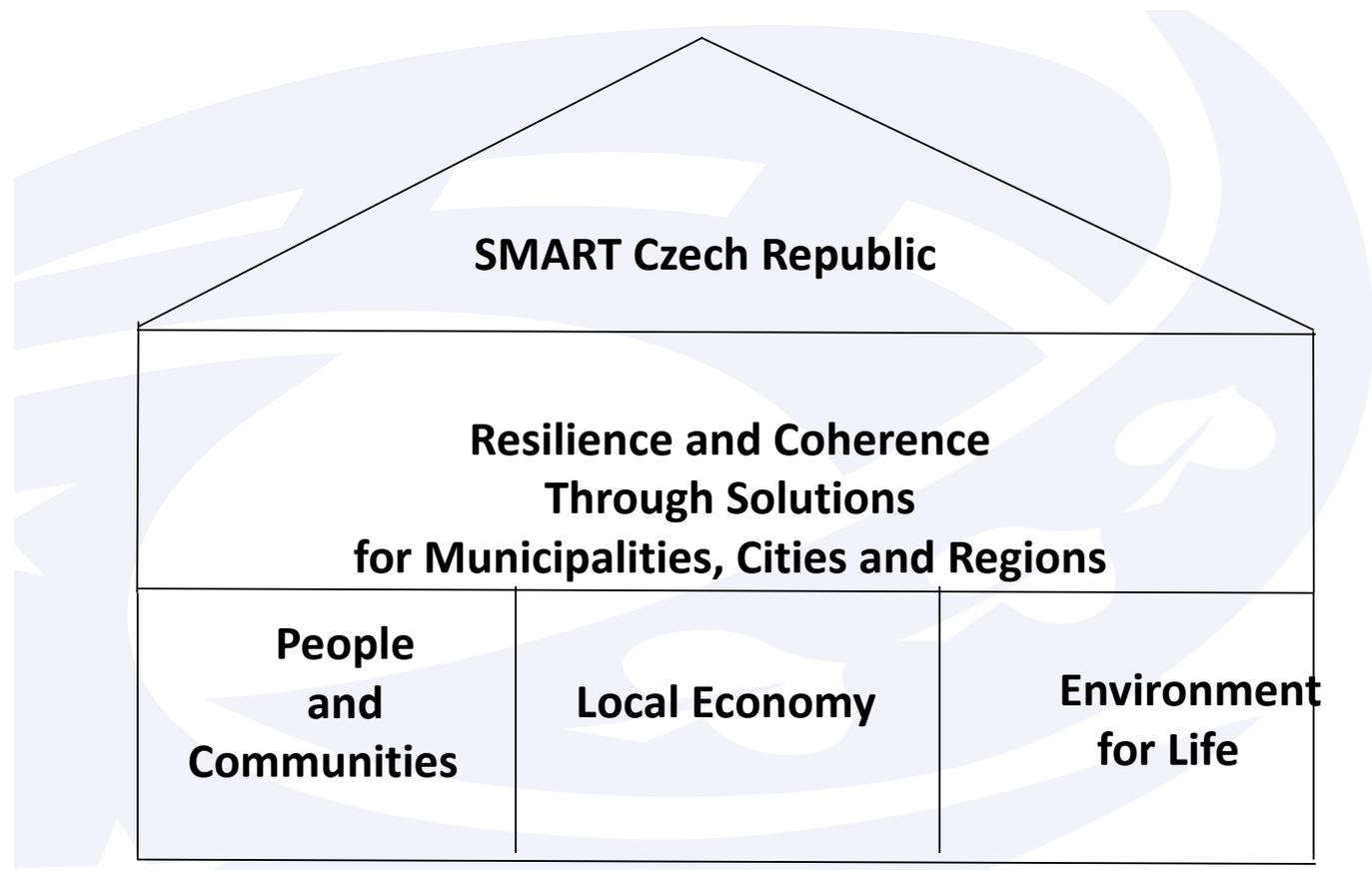
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# Smart Cities Concept - resilience through SMART solutions for municipalities, cities and regions



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# 7 principles of SMART solutions

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1. **Change of direction** - services and jobs following people instead of people following jobs and services
2. **Resilience** - the resilience of people and communities, local economy and the environment, resilient cohesion within the territory
3. **One measure with more equivalent effects** - a holistic approach
4. **The principle of "short distances"** - everything that can be provided locally must be provided locally (using rule 3E)



# 7 principles of SMART solutions

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**5. Cooperation to achieve the effective solutions** - with all partners in the territory engaged

**6. Cohesion and complementarity**, horizontal and vertical interconnections - balancing opportunities, reducing tensions

**7. Evidence based solutions** relying on open data and transparency - data must be understandable and accessible for innovative applications and development of people, communities and business

*(Sharing is caring)*

# Resilience and Coherence Through Solutions for Municipalities, Cities and Regions (Coherent Czech Republic)

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1. Electronic public administration is a service for people and communities
2. SMART solutions contribute to cohesion
3. Common solutions - a tool for cohesion (Czech Republic without digitally excluded localities)
4. Partners in-country and abroad (brand of innovative Czech Republic) when sharing SMART solutions



## People and communities (Resilient Czech Republic )

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1. Education as a basis for quality of life
2. Social and health services in every place
3. Social resilience
4. Quick response



# Local Economy (Rich Czech Republic)

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## 1. Business

as a natural part of the life of the municipality, city and region

## 2. Prosumers

citizens and municipalities as partners of energy suppliers

## 3. Raw materials and „secondary raw materials“

in the circular economy

## 4. ICT infrastructure

basic prerequisite for the success of digitization



# Environment for Life (Green Czech Republic)

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1. Environment  
for quality of life in municipalities, cities and regions
2. Natural infrastructure  
in strategic and spatial planning
3. Green and blue infrastructure  
of cities and municipalities of the future
4. Transport infrastructure and sustainable mobility adapted to  
people's need



# Resilience - a "new compass for EU policies" – how to achieve the goals of the European Green Deal

“Resilience is the ability not only to withstand and cope with challenges but also to undergo transitions in a sustainable, fair, and democratic manner. Resilience is necessary in all policy areas to undergo the green and digital transitions, while maintaining the EU’s core purpose and integrity in a dynamic and at times turbulent environment.”

Dimensions:

- **social and economic**
- **geopolitical**
- **green**
- **digital**



# Act No 12/2020 Coll., on the right to digital services

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## § 3

### **The right to a digital service**

(1) The service user has the right to use the digital service and the public authority is obliged to provide the digital service.

## § 4

### **The right to perform a digital act**

(1) The user of the service has the right to perform a digital act against a public authority through

a) its data boxes,...

(2) Unless the law expressly stipulates a binding form of the act vis-à-vis a public authority, the user of the service has the right to make the act as a digital act.

# Important role of Local Action Groups – www.nsmascr.cz



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The screenshot shows a web browser window with the URL [www.nsmascr.cz](http://www.nsmascr.cz). The page features the NSMAS logo and navigation menu. A search bar contains the text "smart", and the search results display a news item about a "SMART HACKATHON". A calendar widget for January 2022 is also visible.

**NSMAS**  
ČESKÉ REPUBLIKY

Národní síť Místních akčních skupin České republiky

O SPOLKU ▾ O MAS ▾ PO 2014-20 ▾ PO 2021-27 ▾ PRAC. SKUPINY ▾ VZDĚLÁVÁNÍ ▾ KS MAS ▾ KONTAKTY

Hledali jste "smart"

Výsledky vyhledávání: smart

### SMART HACKATHON: 24+1 hodina MASKování inovací ve strategiích

Termín: 9. – 10.9. 2020 Čas: NON STOP 15:00 (9.9.) až 18:00 (10.9.) Místo: SSPŠ – Smíchovská Střední Průmyslová Škola, Preslova 72/25, Praha 5 – Smíchov – [www.ssps.cz](http://www.ssps.cz) Video: MAS hackaton 9.-10.9. 2020 Zadání: Vytvořte pro dané území Chytré cíle rozvoje území, včetně opatření a konkrétních aktivit, ideálně s přesahem tak, aby opatření podpořila ...

[▶ Celý příspěvek](#)

**Kalendář NS MAS**

Leden 2022

Po	Út	St	Čt	Pá	So	Ne
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Zobrazit kalendář »

DOKUMENTY

mezinárodní

národní

regionální

oblastní

místní

ODKAZY

eMetodika přípravy veřejných strategií

externí databáze

Zaslat DOTAZ / NÁMĚT

Často kladené dotazy

vstup do terminálu



Portál strategické práce



Metodika přípravy veřejných strategií



[BRNĚNSKÁ METROPOLITNÍ OBLAST](#)

[HRADECKO-PARDUBICKÁ METROPOLITNÍ OBLAST](#)

[OLOMOUCKÁ AGLOMERACE](#)

[OSTRAVSKÁ AGLOMERACE](#)

[PLZEŇSKÁ METROPOLITNÍ OBLAST](#)

[PRAŽSKÁ METROPOLITNÍ OBLAST](#)

[ÚSTECKO-CHOMUTOVSKÁ AGLOMERACE](#)

**MAS - Místní akční skupiny (strategie CLLD)**



[LAG PODRALSKO](#)

[LAG STRAKONICKO](#)

[MAS 21](#)

[MAS ACHÁT](#)

[MAS AKTIVIOS](#)

[MAS BLANÍK](#)

[MAS BLANSKÝ LES - NETOLICKO](#)

[MAS BLATENSKO](#)

[MAS BOBRAVA](#)

[MAS BOHDANEČSKO](#)

[MAS BOHUMÍNSKO](#)

[MAS BOJKOVSKO](#)

[MAS BOLESLAVSKO](#)

[MAS BOSKOVICKO PLUS](#)

[MAS BRÁNA BRNĚNSKA](#)

[MAS BRÁNA DO ČESKÉHO RÁJE](#)



[ÚZEMÍ ČESKÉ BUDĚJOVICE](#)

[ÚZEMÍ JIHLAVA](#)

[ÚZEMÍ KARLOVY VARY](#)

[ÚZEMÍ LIBEREC - JABLONEC NAD NISOU](#)

[ÚZEMÍ MLADÁ BOLESLAV](#)

[ÚZEMÍ ZLÍN](#)

**Mikroregiony**



[EKOLOGICKÝ MIKROREGION ROKYTNÁ](#)

[HOŘEPNICKÝ REGION](#)

[JEMNICKÝ MIKROREGION](#)

[MIKROREGION BOSKOVICKO](#)

[MIKROREGION BYSTRICKO](#)

[MIKROREGION ČISTÁ JIHLAVA](#)

[MIKROREGION DRAHANSKÁ VRCHOVINA](#)

[MIKROREGION DUŠEJOVSKO](#)

[MIKROREGION HABERSKO](#)

[MIKROREGION HODONÍNSKO](#)

[MIKROREGION HORÁCKO](#)

[MIKROREGION HROTOVICKO](#)

[MIKROREGION KOŠETICKO](#)

[MIKROREGION KROMĚŘÍŽSKO](#)

[MIKROREGION LETOVICKO](#)

[MIKROREGION LOUCKO](#)



LK 2018 - akční plán 2019-2020 [akt. 2019]

KRAJ LIBERECKÝ

Vybráno z knihovny



7. Akční program EU pro životní prostředí do roku 2020 – EAP (2014)

EVROPSKÁ UNIE / European Union

.. DATABÁZE OBSAHUJE

1776 aktuálních strategií

z toho:

- 62 na mezinárodní úrovni
- 283 na národní úrovni ČR
- 265 na úrovni regionální
- 197 na úrovni oblastní
- 969 na úrovni místní

.. a dalších 795 v archivu



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DOKUMENTY

- mezinárodní
- národní
- regionální
- oblastní
  - MAS ACHÁT
    - strategické dokumenty
    - rozpočty a finance
    - ukazatele / indikátory
    - odpovědnosti

místní

ODKAZY

- eMetodika přípravy veřejných strategií
- externí databáze

Zaslat DOTAZ / NÁMĚT

Často kladené dotazy

vstup do terminálu

# MAS Achát

## Strategické dokumenty

Seřadit: Dle typu Abecedně Dle deskriptorů tisk i

### Strategický dokument

Dokument	Od	Do
<a href="#">Strategie CLLD MAS Achát 2014-2020</a>	2017	2023

Dokumentů: 1

### .. vyberte dle jednotlivého deskriptoru

- I. Průmysl a ...
- II. Energetika...
- III. Podnikání...
- IV. Výzkum, vývoj, inovace a technologie**
- V. Zaměstna...
- VI. Sociální z...
- VIII. Sociální sl...
- X. Rodinná p...
- XI. Doprava
- XII. Životní pr...
- XIII. Zdravotni...
- XIV. Cestovní r...
- XV. Kultura
- XVI. Bydlení
- XVII. Veřejná sp...
- XVIII. Zemědělst...
- XIX. Finance, r...
- XX. Bezpečnos...
- XXI. Zájmová č...
- XXII. Demografi...
- XXIII. Ochrana s...

MAS Achát  
[www stránky](#)



## Funding opportunities (how to do things cheaply 😊)

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- National grant programs
- European funds – structural funds, Just transition facility, Recovery and resilience fund
- PPP - Private-public partnership
- Crowdfunding
- Crowdsourcing
- Hackathon
- Participatory budgets
- Shared public procurement, shared shopping
- PPI, PCP/SBIR, innovative partnership



# Funding opportunities (how to do things cheaply 😊)

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- EPC projects (energy performance contracting)
- Green public procurement
- Credit/lending
- Warranties
- Revolving loan
- Leasing
- Foundation
- Sponsoring
- Assistance of universities and academic institutions



## The end of the era of globalization (?) Is there an opportunity for local solutions?

*"By establishing the new, regional small Zlíns, dozens of centers for the development of regional and local economies can be created in the Czech Republic, thus imitating the "miracle,, of Jan and Tomas Bata's balance - independence, self-sufficiency and cooperation of local initiatives around the world as close as possible to the end customer,"*

writes prof. Milan Zelený, Professor Emeritus of Management Systems at the Fordham university, New York



## Is there a renaissance of small villages(!?)

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The Renaissance is not only an expression of economic and cultural prosperity, but also a return to the roots ("ad fontes")....

.....with new technological possibilities, the potential for new quality emerges.

Resilience through SMART solutions (MRD) - with the experience of the COVID-19 pandemic, we can make a big economic leap and enable the renaissance of municipalities

*"You can't get anywhere safely with a look in the rearview mirror"*

William Edwards Deming, American statistician (1900-1993)