## **HUNGARIAN COUNTRYSIDE**

TRENDS IN MOBILITY

VIKTOR WURM, DR. PETER PILLOK



SZAZADVEG KONJUNKTURAKUTATO ZRT.

DECEMBER 2021.

# Topics for today...











METHODOLOGY

# Aim and methodology

#### Original goal of the study:

Through deeper understanding of the specific situation of Hungarian rural society supporting the creation of a strategy that aims to:

- 1. Increase the population holding power of the Hungarian countryside
- 2. Increase the prosperity of Hungarian villages

The aim of todays presentation is to give a taste of the main findings of the study.

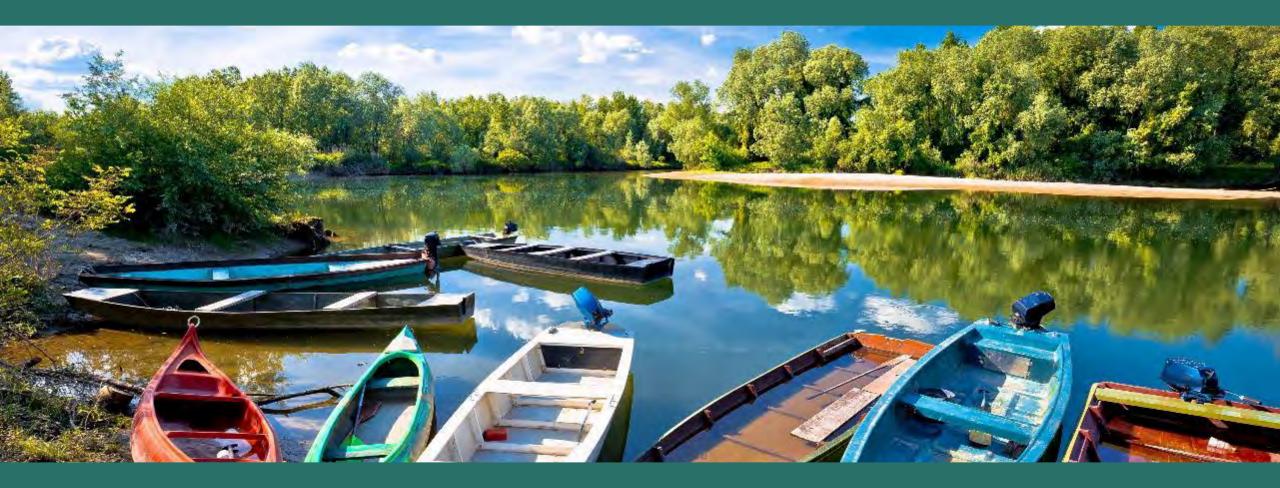
### Methodology of the primary collection:

- CATI survey method
- Hungarian adult population, 60.000 people
- 20 minutes survey
- Between September and December in 2020

### Representativity:

- KSH micro census 2016 (gender, age, education, type of settlement, region)
- 18 online focus group
- age, education and residence as organizational aspects

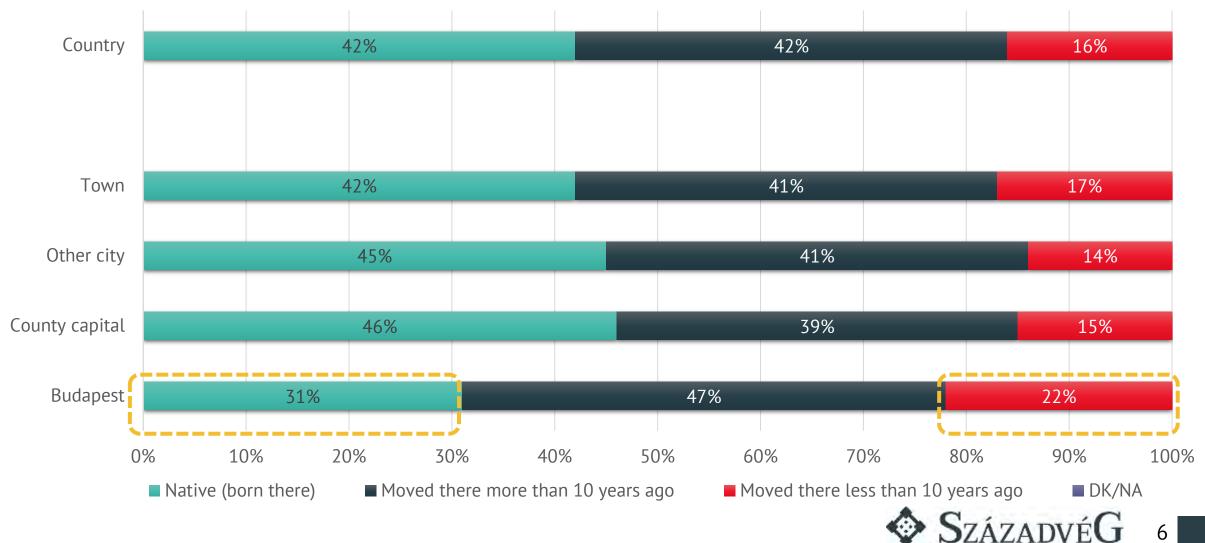




MOBILITY / WILLINGNESS TO MOVE

# Non-natives are the majority in every settlement type

In the settlement/district you live, you (are)...? (%)



# Natives and inmoving population



The proportion of people native to their settlement is relatively smaller in towns than in cities.



The proportion of people native to their settlement is highest in the county capitals of Western Hungary.



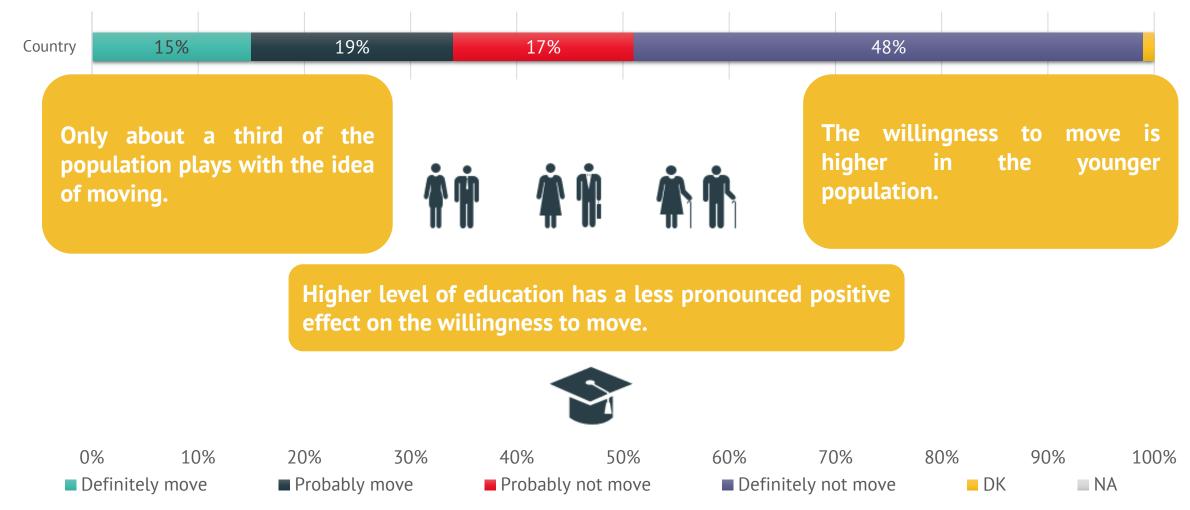
In Central Hungary we find the largest proportion of people who moved in the past 10 years. (in all types of settlements)



The proportion of locally born people is highest in Eastern Hungary. (in all types of settlements)

# The majority does not contemplate the idea of moving

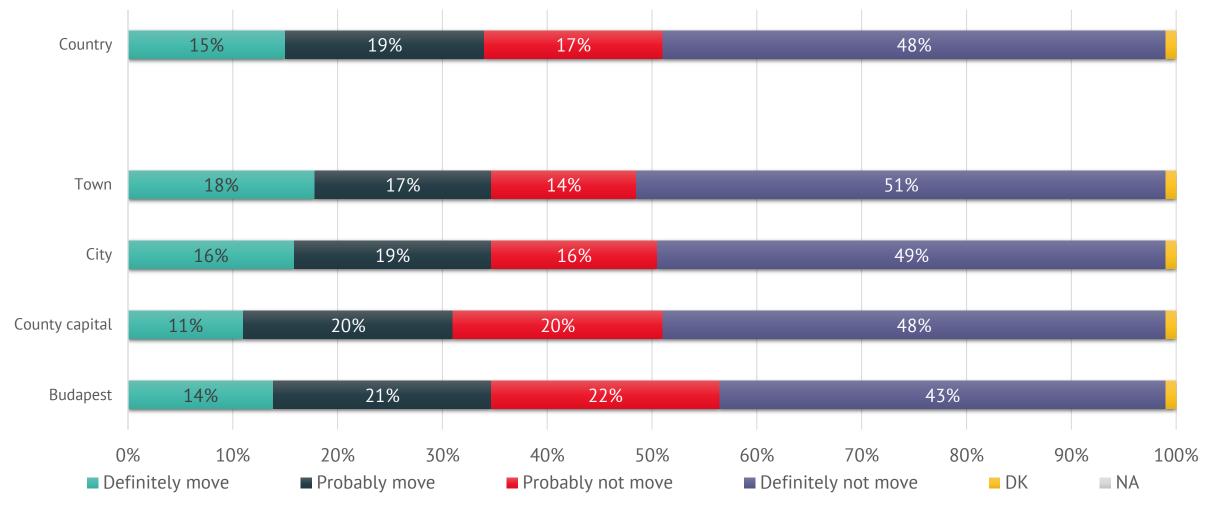
Had you the chance of moving away from where you currently live, you would





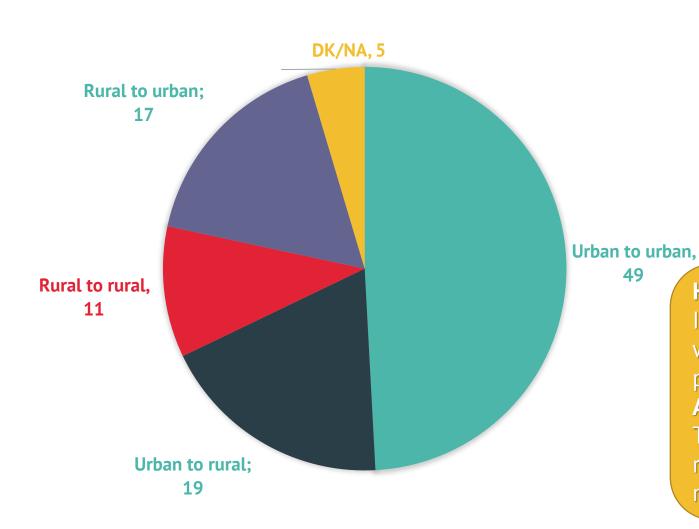
# The majority does not contemplate the idea of moving

Had you the chance of moving away from where you currently live, you would



# Ruralization is generally preferred to urbanization

Where would you like to move? (%)





## **Higher Education**

In groups with higher attainment level the willingness to stay in urban areas is more pronounced.

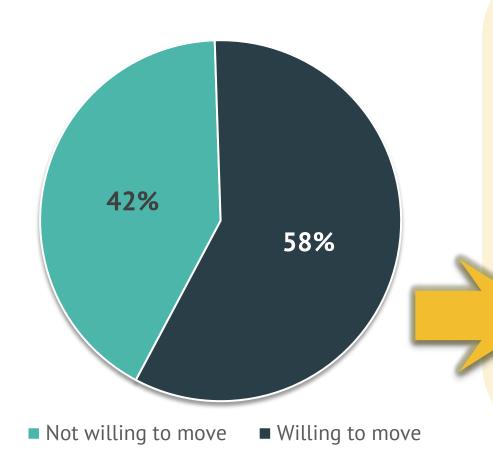
#### Age

The older population shows higher affinity towards ruralization, while the proportion of urban to urban movers is less than average in older groups.

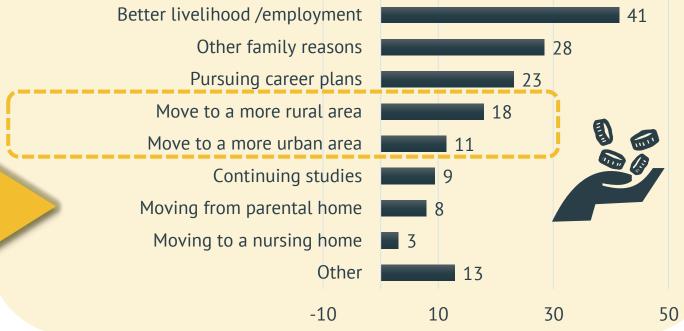
# **Employment drives the willingness to move**

Which of the following is why you would be willing to move out of your current residence?(%) - more answers possible,

percentage of mentions



For which of the following would you be willing to move out of your current residence? - more answers possible, percentage of mentions (Those willing to move, %) (Base: 34992)



# Being more specific

## |ılı,

#### Desire to move to a more rural area

More dominant in Budapest

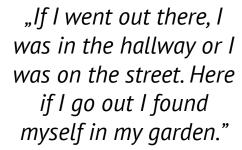
#### Family reasons and career plans

- Was present for all types of settlement with minor differences
- Becomes more important with higher levels of education

## Moving to the countryside through the eyes of the people living in the city:

- Aim of the motivation: peace of mind, starting a family and image of the rural idyll
- The main hindrance is the main attraction of the urban environment: it offers excellent opportunities for both work and leisure
- Long-distance commuting is restraint
- The main trend in reruralization is basically longer distance suburbanization.

"Self-preservation. You are not as vulnerable as someone living in an apartment."

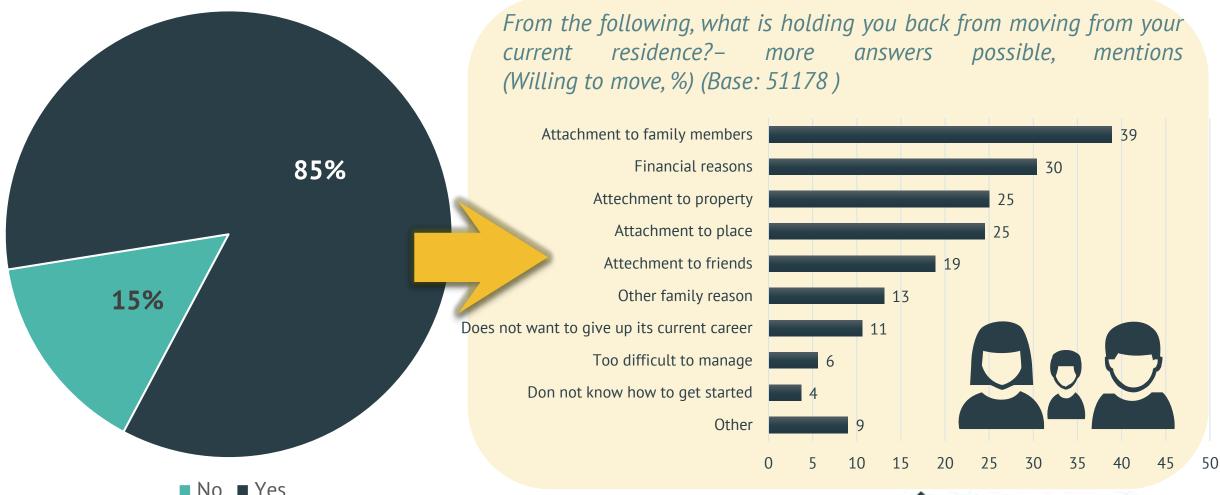






# Family has the highest restraining power

Is there anything that holds you back from moving out of your current residence? (%)



# Restraining forces of mobility

From the following, what is holding you back from moving from your current residence?

Attachment to friends is more prevalent in groups of higher level of education.

Family-centrism has the highest restraining power in all sociodemographic groups.

Family remains the most powerful restraint, however, becomes less pronounced in more rural areas.

The possibility for career opportunities are more prevalent in urban areas. Budapest is the main culprit.

"Those who live in cites, have to be more sound financially, in order to be able to afford living in the city."

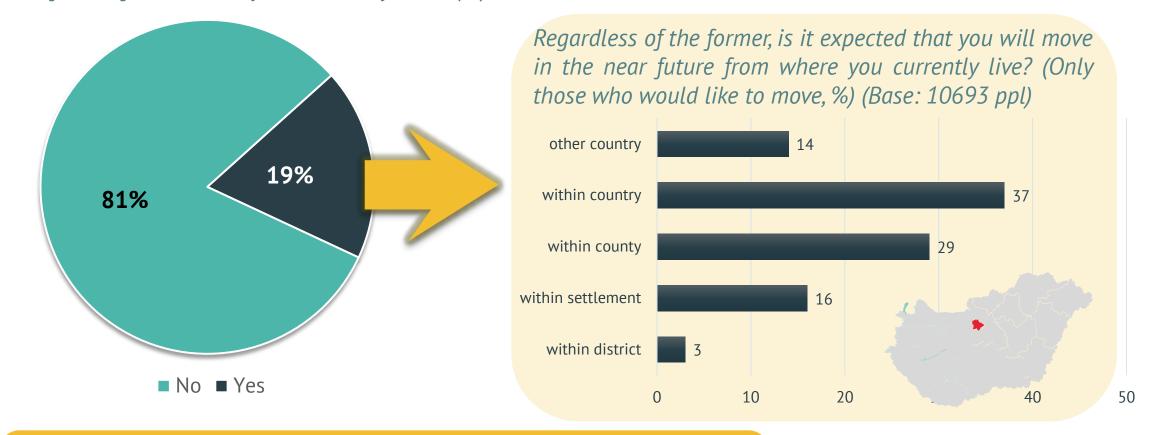
Aside from a minority in the capital the population is land bound by their tenacity to their real estate.

Budapest has the highest bounding power of financial means.



# In reality only a fifth of the population is planning to move.

Regardless of the former, is it expected that you will move in the near future from where you currently live? (%)



Registerable peaks in plans to move are only visible in: (1) the youngest (18-29 y) age group, (2) the residents of Budapest and (3) people with high school education.

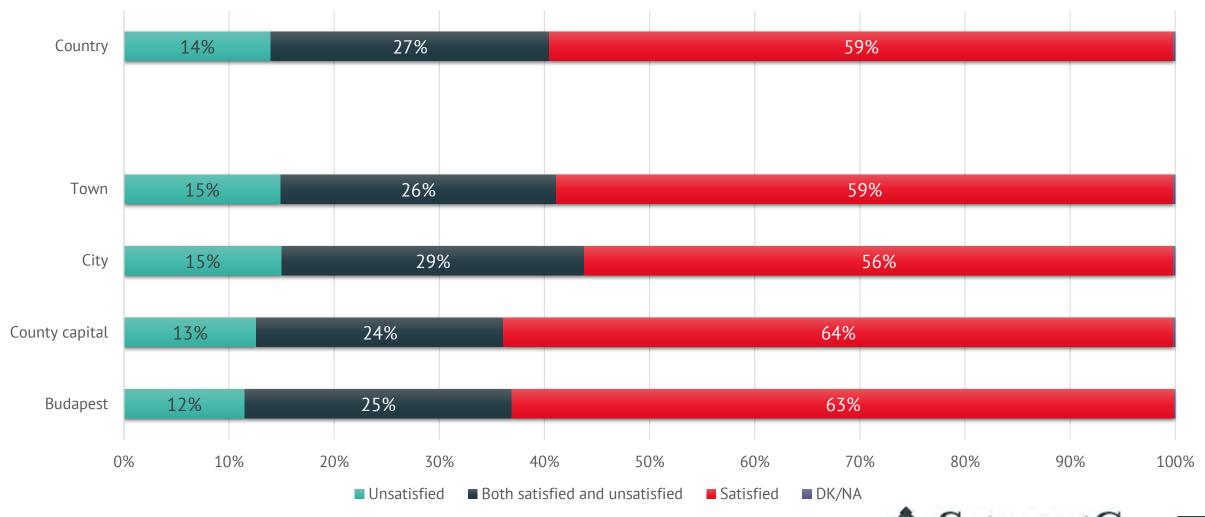




**SATISFACTION** 

# The majority is satisfied with the settlement they live in

All in all, how satisfied are you with the settlement where you currently live in? (settlement type, %)



## **Satisfaction**



In Eastern Hungary, the proportion of satisfied people is slightly higher in in towns and cities.



**In Western Hungary** people who live in the county capitals reported a higher rate of satisfaction.



In Central Hungary, the proportion of satisfied people is the largest in the towns.

"In general, the amount of services speaks for the city."

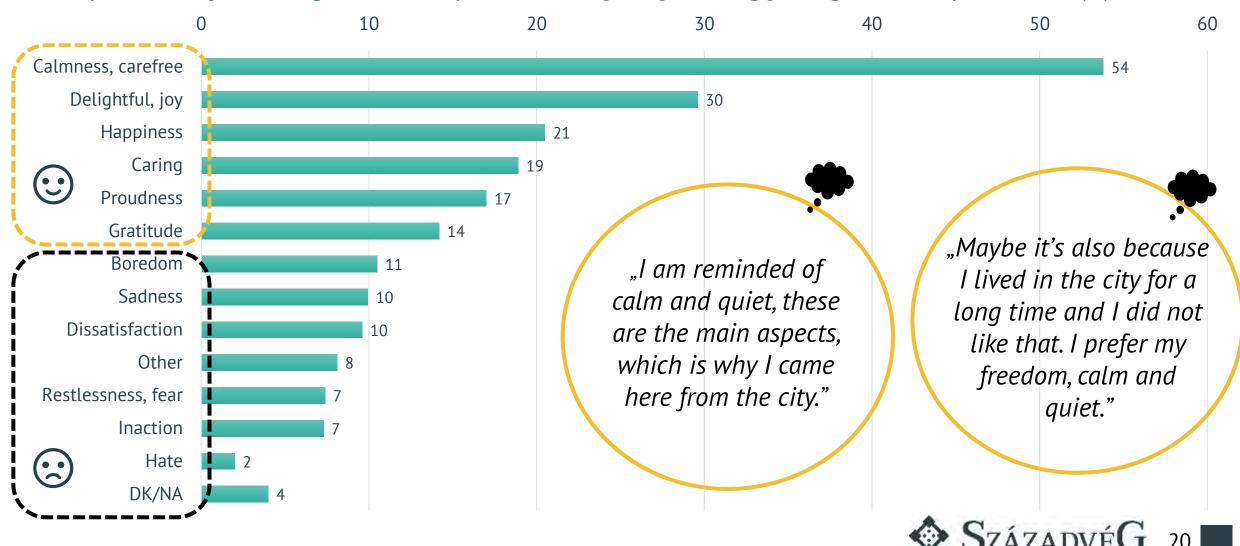




PERCEPTIONS, THE RURAL IDYLL

# Dominantly positive feelings, associations

When you think of the Hungarian countryside, which of the following feelings came to your mind? (%)



# **Spontaneous Associations**





Slower life
Tranquility
Fresh air
Peace
Self-preservation
Close to nature
Direct, close human contact



Bad transportation
Lack of job opportunities
Less shops and services
Lack of cultural programs
Lack of leisure opportunities
Lack of education and training
opportunities



Comfort
Easy transportation
Well-supplied
Job, leisure, cultural and education
opportunities



Crowded
Noisy
Air and light pollution
Bad hygiene
Lack of green areas
Lack of directness
Rush



The Hungarian population is relatively immobile. About 1/5 is truly mobile.



The main driving force of mobility are: career opportunities, livelihood, financial issues and leisure opportunities.



The main restraints of mobility are: family, real estate, commuting hours



Matri-/Patrilocality trends seem to deteriorate, as the majority of the population lives in settlements/ districts they are not native to.



The majority is satisfied with the settlement they live in.



The more urban the area the higher it is rated regarding the services it provides and infrastructure.



Rural areas and the countryside are considered idyllic places in the minds of Hungarians.

Although the most powerful association with the countryside is emptiness, which brings about tranquility, but the lack of critical infrastructure as well.



The possible target of a reruralization campaign are:

(1) young people moving out (suburbanization);

(2) older, more educated, well-situated, less financially concerned white-collar.





# Historical patterns of Rural – Urban migration

- Early mass urbanisation period coincided with strong periurbanisation – that is, migration from rural areas to urban outskirts (from early 1870s on)
- Suburbanisation was smaller in scale and started much later (early 1910s)
- Socialism brought about significant changes, e.g.
  - Further peri-urbanisation
  - Various, distorted forms of suburbanisation
  - Strengthening of cities and towns
  - Swift depopulation of rural, especially peripheral, areas

# Major tendencies in the last 25 years

- Polarisation of the spatial structure of Hungary, new centres of growth and decay
- Polycentric urban development, urban sprawl, metropolisation
- Gentrification of suburbs
- Rural gentrification
- Functioning communities in various locations with good community and strong identity
- Atomised population in settlements in crisis
- Underperforming communities



# Successful communities Community matters

	All Hungarian settlements with at least 1000 inhabitants. Source: Kocsis et al.		Prosperity of the population settlements			
2018		Least prosperous	Moderately prosperous	Most prosperous	Total, number of settlements	
	Successfulness of settlements	Unsuccessful	71.3%	22.2%	6.6%	167
		Relatively unsuccessful	46.3%	36.2%	17.5%	315
		Moderately successful	33.5%	32.3%	34.2%	474
		Relatively successful	13.8%	37.9%	48.3%	319
		Successful	7.3%	33.3%	59.4%	165
		Total	33.3%	33.3%	33.3%	1440

# Incomers and local society

- Cohesion of the local society
- Local identity
- Role of newcomers
  - Intermediary, transmissive
  - Creative
  - Demand
  - New attitudes





Thank you for your attention



# WEBINAR ON (DE)URBANIZATION PERSPECTIVES

16 December 2021

Diána Haase, research manager
Policy Department for Structural and Cohesion Policies
(member of the team following the Committee on Regional Development)

Euro

**European Parliament** 

Directorate General for Internal Policies

## **EP** and rural/urban development

**Legislative body:** co-deciding on legislative framework for the EU's **cohesion** and agricultural and rural development policy (latest for 2021-2027)

Examples: **(1)** fighting for more synergies between rural and cohesion and fisheries policy, i.e. to keep EAFRD strategically "closer" to other territorial EU funds, such as ERDF **(2)** ERDF (Art. 10) "Support for disadvantaged areas" includes rural areas/demographic challenges (original EP idea: 5 % earmarking also for non-urban areas)

**Budgetary authority:** consenting (2021-2027) EU budget, exercising budgetary control (discharge)

Examples: (1) negotiating to maintain level of support for rural development and cohesion in general; (2) initiating pilot projects (e.g. smart and eco-social villages)

**Parliamentary control:** scrutiny of the "executive", in this case (shared management) Member States and European Commission –via resolutions, debates in plenary/committees

## Recent positions (=resolutions) - examples

#### European Parliament resolution of 25 March 2021 on cohesion policy and regional environment strategies in the fight against climate change:

- (1) "transition towards climate neutrality must be just and inclusive, ... focus on people living in rural and remote areas",
- (2) "innovative, inclusive and sustainable solutions to strengthen rural areas and make them more attractive as places to live and work should constitute a key element in the implementation of the cohesion policy"

#### European Parliament resolution of 20 May 2021 on reversing demographic trends in EU regions using cohesion policy instruments:

- (1) delayed availability of statistics....
- (2) "better coordination of rural and cohesion policies ..in the fields of youth employment, entrepreneurship, digitalisation and support for young and new farmers"
- (3) welcomes the Commission's intention to ..roll-out of high capacity broadband infrastructure in sparsely populated and rural territories"
- (4) "the need to develop a European rural agenda ...."
- (5) "the concept of 'rural-proofing' should be used to address the specific needs of rural and remote areas"
- (6) "invites the Commission and Member States to reflect on how teleworking could impact future intra-EU mobility and the perceived attractiveness of different regions"

European Parliament resolution of 3 October 2018 on addressing the specific needs of rural, mountainous and remote areas

European Parliament resolution of 4 April 2017 on women and their roles in rural areas

# Recent debates and other actions - examples

EP hosting a forum for debate and scrutiny of rural development policies (January 2020) - event 'Rural Europe: which way to go?' attended by policy-makers and rural stakeholders

In a plenary session of the European Parliament held in Strasbourg in January 2020, a new Parliament intergroup was established on Rural, Mountainous and Remote Areas (RUMRA).

The work has started on the recent Commission Communication on "A long-term Vision for the EU's Rural Areas" - resolution foreseen for autumn 2022 (public hearing is planned in March)

## **Relevant studies - examples**

#### EU Cohesion Policy in non-urban areas:

- (1) a long-term and dependable financial framework, but urban areas have been allocated over three times as much .."
- (2) Policy coherence of Cohesion Policy with the EU's rural development policy ..is challenging.
- (3) Rural vs urban investments; Tendency to use Cohesion Policy more actively for overcoming rural disadvantages, and less for nurturing unique and diverse local assets.

#### Services of General Interest in the Funding Period 2014-20:

- (1) which model of society Europe wishes to pursue political choices in service provision models, should economic development be organised around functioning communities, or does one prefer to dissociate places of production and living.
- (2) Cross-border SGI provision can decrease costs and foster cohesion.

<u>Postal services in the EU</u>: policies at EU level should provide flexibility for Member States to design postal policies at national level

## **Relevant studies - examples**

Further reading:

The challenge of land abandonment after 2020 and options for mitigating measures

Smart villages Concept, issues and prospects for EU rural areas

Older people in the European Union's rural areas

The professional status of rural women in the EU

The upcoming Commission's Communication on the long-term vision for rural areas

#### TRANSPARENCY AND ACCESSIBILITY

- REGI Committee website > Supporting analyses:

  <a href="http://www.europarl.europa.eu/committees/en/regi/supporting-analyses.html">http://www.europarl.europa.eu/committees/en/regi/supporting-analyses.html</a>
- AGRI Committee website > Supporting analyses:
   <a href="https://www.europarl.europa.eu/committees/en/agri/supporting-analyses/latest-documents">https://www.europarl.europa.eu/committees/en/agri/supporting-analyses/latest-documents</a>
- Urban Intergroup <a href="http://urban-intergroup.eu/">http://urban-intergroup.eu/</a>
- Intergroup on Rural, Mountainous and Remote Areas & Smart Villages <a href="https://www.smart-rural-intergroup.eu/">https://www.smart-rural-intergroup.eu/</a>
- Policy Department Blog: <u>www.research4committees.blog</u>
- Twitter: @PolicyREGI and @PolicyAGRI

#### THANK YOU FOR YOUR ATTENTION!

DIÁNA HAASE

DIANA. HAASE@EP.EUROPA.EU



## Vision for rural areas

#### **Opportunities in rural areas**

- Key for ecosystem services
- Bio- and circular economy
- Ecological and digital transitions
- Increasing demands from society
- Recovery from COVID 19 crisis

#### Challenges in rural areas

- Demographic change
- Low income levels
- Limited access to services
- Low connectivity
- Feeling of being overlooked
- Limited resilience

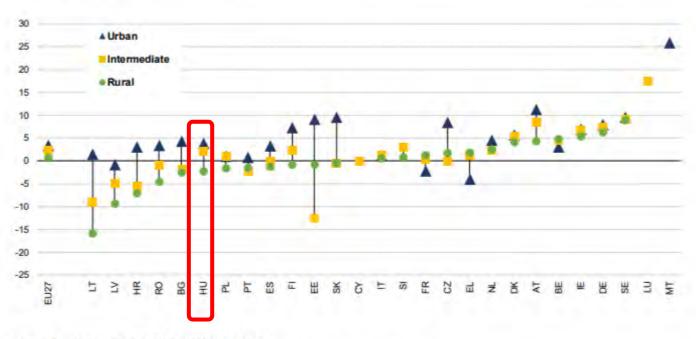


## Vision for rural areas

### What we know for sure

Figure 9 Average annual net migration rate between 1 January 2014 and 2019 (pro mille change by urban-rural regional typology)

Average annual net migration rate between 1 January 2014 and 2019 (pro mille change by urban-rural regional typology)



Source: Eurostat (online data table: DEMO\_R\_GIND3)

Note: ranked on rural, if not available on intermediate, if not available on urban value.

Source: Eurostat (online data table: DEMO R GIND3)

Note: ranked on rural, if not available on intermediate, if not available on urban value



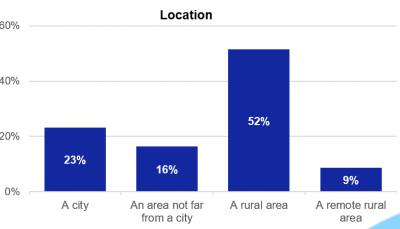
# Long Term Vision for EU's Rural Areas



#### **EUROBAROMETER**

#### Methodology

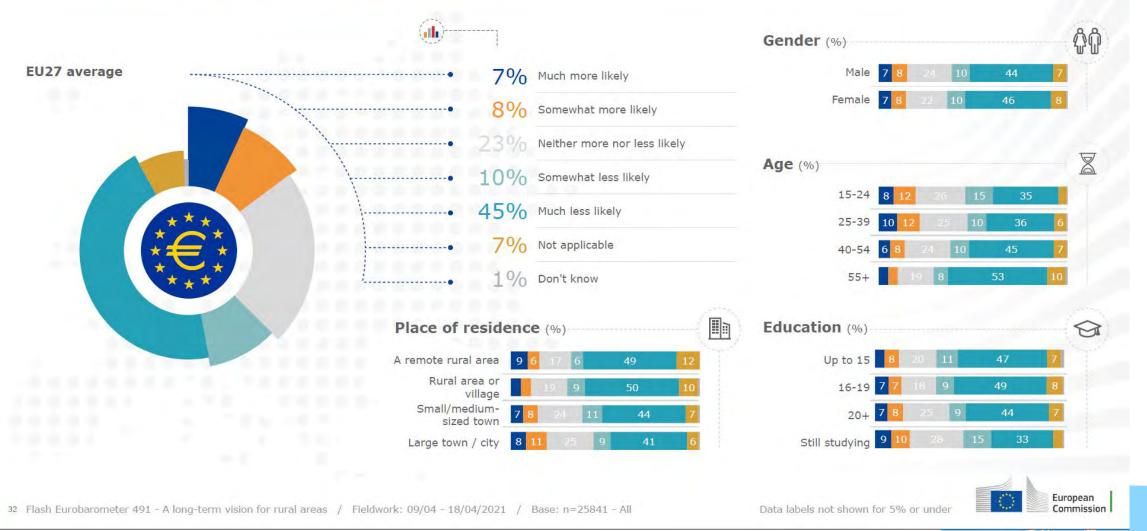
- The survey was conducted via telephone interviews
- Fieldwork: 9 April and 18 April 2021
- Target population: EU citizens, 15 years and over
- · Coverage: EU27
- Sampling methodology: dual frame, landline and mobile, probability design
- Number of interviews: 25,841
- Sample size per country: 500 in LU, CY, MT, 1000 in all other countries





When all of the current COVID-19 restrictions end, will you be more likely or less likely to do each of the following compared to before the Pandemic?

Consider moving to a more/less rural area



Q6\_2

-Much more likely

When all of the current COVID-19 restrictions end, will you be more likely or less likely to do each of the following compared to before the Pandemic?

-Somewhat less likely

-Much less likely

-Not applicable

Consider moving to a more/less rural area

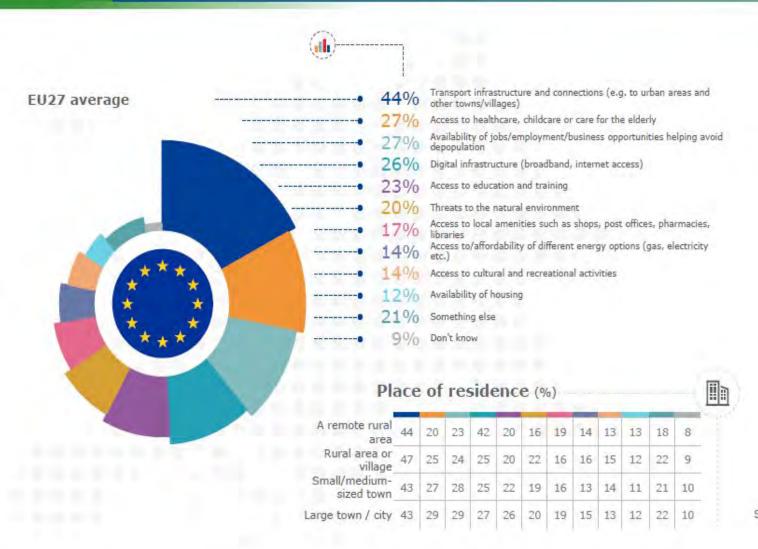
Neither more nor less likely

-Somewhat more likely

59 HU LT



-Don't know



Ge	end	er	(%)									-	00
Male	43	23	25	28	20	18	15	14	12	10	22	8	
Female	45	31	29	24	25	21	19	15	15	13	20	11	1

1			_					_				
5-24	46	23	23	25	22	18	17	13	14	12	16	14
5-39	43	24	27	25	22	17	15	12	12	10	21	11
0-54	46	30	29	29	24	20	16	15	14	12	22	7
55+	42	28	28	25	22	21	19	16	15	13	23	9

Ed	uca	atio	on (	%)								
Up to 15	37	27	27	18	18	15	17	12	13	13	19	13
16-19	45	27	28	24	21	18	17	15	14	12	21	10
20+	44	28	28	29	24	21	17	15	14	12	23	8
Still studying	45	22	21	24	23	18	16	12	13	10	16	14



127	BE	BG	CZ	DK	DE	FF	TE	FI	ES	FR	HR	IT	CY	IV	1.T	10	HU	МТ	NI	AT	PI	PT	RO	SI	SK	FI	SE
	0		-	(			0		•	0		0	8										0	0	•	+	1
	1	1	Ţ	1	I	Ī	Ţ	Ţ	I	1	I	Ī	I	I	Ţ	Ī	Ţ	-	I	Ī	1	I	1	I	4	1	T
14	40	51	59	24	54	54	57	14	37	38	29	46	40	41	43	48	40	46	31	59	45	35	50	60	48	32	42
27	16	41	30	28	34	50	12	14	25	28	18	21	29	16	20	36	19	15	25	46	25	40	25	36	21	20	38
27	15	58	30	7	26	58	22	42	27	13	35	27	35	43	43	27	42	16	25	40	25	49	22	28	38	35	31
26	12	26	18	3	50	44	43	9	21	19	16	21	13	9	11	30	11	15	25	49	26	19	9	41	20	10	29
23	14	34	23	13	33	46	10	15	15	14	16	14	26	19	18	32	15	17	22	40	32	33	36	21	23	12	26
20	37	24	32	26	26	30	10	21	4	15	12	18	18	10	10	24	9	62	38	35	24	21	5	22	36	13	26
7	15	28	32	1	24	45	20	4	6	19	10	13	20	10	12	19	7	10	19	36	19	18	4	31	25	22	24
4	12	26	14	2	20	26	6	15	2	6	14	7	15	5	15	19	7	16	22	38	22	24	35	20	18	5	19
4	12	25	23	4	21	24	10	4	3	8	10	12	15	11	21	15	10	25	15	25	21	17	6	15	34	6	16
2	10	19	17	6	21	25	10	2	2	5	10	6	18	6	9	24	7	14	23	26	15	21	3	15	17	4	21
21	35	29	26	20	14	13	19	24	29	17	37	16	17	30	15	7	32	17	16	8	29	8	33	17	41	25	28
9	13	6	6	17	3	7	7	10	11	14	10	11	13	8	12	5	12	7	10	6	17	2	4	4	3	13	13
	4 7 7 6 3 0 7 4 4 4 2	4 40 7 16 7 15 6 12 3 14 0 37 7 15 4 12 4 12 2 10 1 35	4 40 51 7 16 41 7 15 58 6 12 26 3 14 34 0 37 24 7 15 28 4 12 26 4 12 25 2 10 19 1 35 29	4 40 51 59 7 16 41 30 7 15 58 30 6 12 26 18 3 14 34 23 0 37 24 32 7 15 28 32 7 15 28 32 4 12 26 14 4 12 25 23 2 10 19 17 1 35 29 26	4 40 51 59 24 7 16 41 30 28 7 15 58 30 7 6 12 26 18 3 3 14 34 23 13 0 37 24 32 26 7 15 28 32 1 4 12 26 14 2 4 12 25 23 4 2 10 19 17 6 1 35 29 26 20	4       40       51       59       24       54         7       16       41       30       28       34         7       15       58       30       7       26         6       12       26       18       3       50         3       14       34       23       13       33         0       37       24       32       26       26         7       15       28       32       1       24         4       12       26       14       2       20         4       12       25       23       4       21         2       10       19       17       6       21         1       35       29       26       20       14	4       40       51       59       24       54       54         7       16       41       30       28       34       50         7       15       58       30       7       26       58         6       12       26       18       3       50       44         3       14       34       23       13       33       46         0       37       24       32       26       26       30         7       15       28       32       1       24       45         4       12       26       14       2       20       26         4       12       25       23       4       21       24         2       10       19       17       6       21       25         1       35       29       26       20       14       13	4       40       51       59       24       54       54       57         7       16       41       30       28       34       50       12         7       15       58       30       7       26       58       22         6       12       26       18       3       50       44       43         3       14       34       23       13       33       46       10         0       37       24       32       26       26       30       10         7       15       28       32       1       24       45       20         4       12       26       14       2       20       26       6         4       12       25       23       4       21       24       10         2       10       19       17       6       21       25       10         1       35       29       26       20       14       13       19	4 40 51 59 24 54 54 57 14 7 16 41 30 28 34 50 12 14 7 15 58 30 7 26 58 22 42 6 12 26 18 3 50 44 43 9 3 14 34 23 13 33 46 10 15 0 37 24 32 26 26 30 10 21 7 15 28 32 1 24 45 20 4 4 12 26 14 2 20 26 6 15 4 12 25 23 4 21 24 10 4 2 10 19 17 6 21 25 10 2 1 35 29 26 20 14 13 19 24	4       40       51       59       24       54       54       57       14       37         7       16       41       30       28       34       50       12       14       25         7       15       58       30       7       26       58       22       42       27         6       12       26       18       3       50       44       43       9       21         3       14       34       23       13       33       46       10       15       15         0       37       24       32       26       26       30       10       21       4         7       15       28       32       1       24       45       20       4       6         4       12       26       14       2       20       26       6       15       2         4       12       26       14       2       20       26       6       15       2         4       12       25       23       4       21       24       10       4       3         2       10       19 <t< td=""><td>4       40       51       59       24       54       54       57       14       37       38         7       16       41       30       28       34       50       12       14       25       28         7       15       58       30       7       26       58       22       42       27       13         6       12       26       18       3       50       44       43       9       21       19         3       14       34       23       13       33       46       10       15       15       14         9       24       32       26       26       30       10       21       4       15         7       15       28       32       1       24       45       20       4       6       19         4       12       26       14       2       20       26       6       15       2       6         4       12       25       23       4       21       24       10       4       3       8         2       10       19       17       6       21       <t< td=""><td>4       40       51       59       24       54       54       57       14       37       38       29         7       16       41       30       28       34       50       12       14       25       28       18         7       15       58       30       7       26       58       22       42       27       13       35         6       12       26       18       3       50       44       43       9       21       19       16         3       14       34       23       13       33       46       10       15       15       14       16         3       14       34       23       13       33       46       10       15       15       14       16         3       14       34       23       26       26       30       10       21       4       15       12         7       15       28       32       1       24       45       20       4       6       19       10         4       12       26       14       2       20       26       6       15</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46         7       16       41       30       28       34       50       12       14       25       28       18       21         7       15       58       30       7       26       58       22       42       27       13       35       27         6       12       26       18       3       50       44       43       9       21       19       16       21         3       14       34       23       13       33       46       10       15       15       14       16       14         0       37       24       32       26       26       30       10       21       4       15       12       18         7       15       28       32       1       24       45       20       4       6       19       10       13         4       12       26       14       2       20       26       6       15       2       6       14       7         4</td><td>4       40       51       59       24       54       57       14       37       38       29       46       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29         7       15       58       30       7       26       58       22       42       27       13       35       27       35         6       12       26       18       3       50       44       43       9       21       19       16       21       13         3       14       34       23       13       33       46       10       15       15       14       16       14       26         0       37       24       32       26       26       30       10       21       4       15       12       18       18         7       15       28       32       1       24       45       20       4       6       19       10       13       20         4       12       26       14       2       20       26       6       15</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19         0       37       24       32       26       26       30       10       21       4       15       12       18       10         7       15       28       32       1       24       45       20       4       6       19       10       13       20       10         4       12</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10         7       15       28       32       1       24       45       20       4       6       19</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24         7       15       28       32       1<td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24       9<td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15       17         0       37       24       32       26       26       30       10       21       4       15       12       18       18</td></td></td></t<><td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 18 18 18 10 10 24 9 62 38 18 12 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 18 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 15 19 7 16 22 14 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 15 15 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 15 15 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16</td><td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 4 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 2 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8</td><td>1</td><td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 26 19 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 24 21 7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 22 24 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 21 17 22 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 15 21 13 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8</td><td>1 4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 50 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 25 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 26 19 9 3 14 34 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 36 19 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 10 12 15 11 21 15 10 25 15 25 21 17 6 12 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 15 21 3 13 1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8 33</td><td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 50 60  7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 25 36  7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 22 28  6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 26 19 9 41  3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 36 21  0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 24 21 5 22  7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 31  4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 22 24 35 20  4 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 21 17 6 15  1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8 33 17</td><td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46       31       59       45       35       50       60       48         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15       25       46       25       40       25       36       21         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       36       21         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       49       22       28       38         8       12       26       18       3       50       44       43&lt;</td><td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46       31       59       45       35       50       60       48       32         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15       25       46       25       36       21       20         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       36       21       20         8       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15       24       22       28       38       35         16       12       26       18       3       50       44       43       9</td></td></t<>	4       40       51       59       24       54       54       57       14       37       38         7       16       41       30       28       34       50       12       14       25       28         7       15       58       30       7       26       58       22       42       27       13         6       12       26       18       3       50       44       43       9       21       19         3       14       34       23       13       33       46       10       15       15       14         9       24       32       26       26       30       10       21       4       15         7       15       28       32       1       24       45       20       4       6       19         4       12       26       14       2       20       26       6       15       2       6         4       12       25       23       4       21       24       10       4       3       8         2       10       19       17       6       21 <t< td=""><td>4       40       51       59       24       54       54       57       14       37       38       29         7       16       41       30       28       34       50       12       14       25       28       18         7       15       58       30       7       26       58       22       42       27       13       35         6       12       26       18       3       50       44       43       9       21       19       16         3       14       34       23       13       33       46       10       15       15       14       16         3       14       34       23       13       33       46       10       15       15       14       16         3       14       34       23       26       26       30       10       21       4       15       12         7       15       28       32       1       24       45       20       4       6       19       10         4       12       26       14       2       20       26       6       15</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46         7       16       41       30       28       34       50       12       14       25       28       18       21         7       15       58       30       7       26       58       22       42       27       13       35       27         6       12       26       18       3       50       44       43       9       21       19       16       21         3       14       34       23       13       33       46       10       15       15       14       16       14         0       37       24       32       26       26       30       10       21       4       15       12       18         7       15       28       32       1       24       45       20       4       6       19       10       13         4       12       26       14       2       20       26       6       15       2       6       14       7         4</td><td>4       40       51       59       24       54       57       14       37       38       29       46       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29         7       15       58       30       7       26       58       22       42       27       13       35       27       35         6       12       26       18       3       50       44       43       9       21       19       16       21       13         3       14       34       23       13       33       46       10       15       15       14       16       14       26         0       37       24       32       26       26       30       10       21       4       15       12       18       18         7       15       28       32       1       24       45       20       4       6       19       10       13       20         4       12       26       14       2       20       26       6       15</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19         0       37       24       32       26       26       30       10       21       4       15       12       18       10         7       15       28       32       1       24       45       20       4       6       19       10       13       20       10         4       12</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10         7       15       28       32       1       24       45       20       4       6       19</td><td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24         7       15       28       32       1<td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24       9<td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15       17         0       37       24       32       26       26       30       10       21       4       15       12       18       18</td></td></td></t<> <td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 18 18 18 10 10 24 9 62 38 18 12 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 18 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 15 19 7 16 22 14 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 15 15 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 15 15 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16</td> <td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 4 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 2 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8</td> <td>1</td> <td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 26 19 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 24 21 7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 22 24 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 21 17 22 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 15 21 13 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8</td> <td>1 4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 50 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 25 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 26 19 9 3 14 34 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 36 19 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 10 12 15 11 21 15 10 25 15 25 21 17 6 12 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 15 21 3 13 1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8 33</td> <td>4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 50 60  7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 25 36  7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 22 28  6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 26 19 9 41  3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 36 21  0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 24 21 5 22  7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 31  4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 22 24 35 20  4 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 21 17 6 15  1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8 33 17</td> <td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46       31       59       45       35       50       60       48         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15       25       46       25       40       25       36       21         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       36       21         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       49       22       28       38         8       12       26       18       3       50       44       43&lt;</td> <td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46       31       59       45       35       50       60       48       32         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15       25       46       25       36       21       20         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       36       21       20         8       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15       24       22       28       38       35         16       12       26       18       3       50       44       43       9</td>	4       40       51       59       24       54       54       57       14       37       38       29         7       16       41       30       28       34       50       12       14       25       28       18         7       15       58       30       7       26       58       22       42       27       13       35         6       12       26       18       3       50       44       43       9       21       19       16         3       14       34       23       13       33       46       10       15       15       14       16         3       14       34       23       13       33       46       10       15       15       14       16         3       14       34       23       26       26       30       10       21       4       15       12         7       15       28       32       1       24       45       20       4       6       19       10         4       12       26       14       2       20       26       6       15	4       40       51       59       24       54       54       57       14       37       38       29       46         7       16       41       30       28       34       50       12       14       25       28       18       21         7       15       58       30       7       26       58       22       42       27       13       35       27         6       12       26       18       3       50       44       43       9       21       19       16       21         3       14       34       23       13       33       46       10       15       15       14       16       14         0       37       24       32       26       26       30       10       21       4       15       12       18         7       15       28       32       1       24       45       20       4       6       19       10       13         4       12       26       14       2       20       26       6       15       2       6       14       7         4	4       40       51       59       24       54       57       14       37       38       29       46       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29         7       15       58       30       7       26       58       22       42       27       13       35       27       35         6       12       26       18       3       50       44       43       9       21       19       16       21       13         3       14       34       23       13       33       46       10       15       15       14       16       14       26         0       37       24       32       26       26       30       10       21       4       15       12       18       18         7       15       28       32       1       24       45       20       4       6       19       10       13       20         4       12       26       14       2       20       26       6       15	4       40       51       59       24       54       54       57       14       37       38       29       46       40       41         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19         0       37       24       32       26       26       30       10       21       4       15       12       18       10         7       15       28       32       1       24       45       20       4       6       19       10       13       20       10         4       12	4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10         7       15       28       32       1       24       45       20       4       6       19	4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24         7       15       28       32       1 <td>4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24       9<td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15       17         0       37       24       32       26       26       30       10       21       4       15       12       18       18</td></td>	4       40       51       59       24       54       54       57       14       37       38       29       46       40       41       43       48       40         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15         0       37       24       32       26       26       30       10       21       4       15       12       18       18       10       10       24       9 <td>4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15       17         0       37       24       32       26       26       30       10       21       4       15       12       18       18</td>	4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16         6       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15         3       14       34       23       13       33       46       10       15       15       14       16       14       26       19       18       32       15       17         0       37       24       32       26       26       30       10       21       4       15       12       18       18	4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 18 18 18 10 10 24 9 62 38 18 12 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 18 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 15 19 7 16 22 14 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 15 15 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 15 15 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16	4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 4 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 2 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8	1	4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 26 19 3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 24 21 7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 22 24 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 21 17 22 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 15 21 13 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8	1 4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 50 7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 25 7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 26 19 9 3 14 34 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 36 19 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 10 12 15 11 21 15 10 25 15 25 21 17 6 12 10 19 17 6 21 25 10 2 2 5 10 6 18 6 9 24 7 14 23 26 15 21 3 13 1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8 33	4 40 51 59 24 54 54 57 14 37 38 29 46 40 41 43 48 40 46 31 59 45 35 50 60  7 16 41 30 28 34 50 12 14 25 28 18 21 29 16 20 36 19 15 25 46 25 40 25 36  7 15 58 30 7 26 58 22 42 27 13 35 27 35 43 43 27 42 16 25 40 25 49 22 28  6 12 26 18 3 50 44 43 9 21 19 16 21 13 9 11 30 11 15 25 49 26 19 9 41  3 14 34 23 13 33 46 10 15 15 14 16 14 26 19 18 32 15 17 22 40 32 33 36 21  0 37 24 32 26 26 30 10 21 4 15 12 18 18 10 10 24 9 62 38 35 24 21 5 22  7 15 28 32 1 24 45 20 4 6 19 10 13 20 10 12 19 7 10 19 36 19 18 4 31  4 12 26 14 2 20 26 6 15 2 6 14 7 15 5 15 19 7 16 22 38 22 24 35 20  4 12 25 23 4 21 24 10 4 3 8 10 12 15 11 21 15 10 25 15 25 21 17 6 15  1 35 29 26 20 14 13 19 24 29 17 37 16 17 30 15 7 32 17 16 8 29 8 33 17	4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46       31       59       45       35       50       60       48         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15       25       46       25       40       25       36       21         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       36       21         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       49       22       28       38         8       12       26       18       3       50       44       43<	4       40       51       59       24       54       57       14       37       38       29       46       40       41       43       48       40       46       31       59       45       35       50       60       48       32         7       16       41       30       28       34       50       12       14       25       28       18       21       29       16       20       36       19       15       25       46       25       36       21       20         7       15       58       30       7       26       58       22       42       27       13       35       27       35       43       43       27       42       16       25       40       25       36       21       20         8       12       26       18       3       50       44       43       9       21       19       16       21       13       9       11       30       11       15       24       22       28       38       35         16       12       26       18       3       50       44       43       9

<sup>8</sup> Flash Eurobarometer 491 - A long-term vision for rural areas / Fieldwork: 09/04 - 18/04/2021 / Base: n=20373 - If Strongly support or Tend to support at Q1

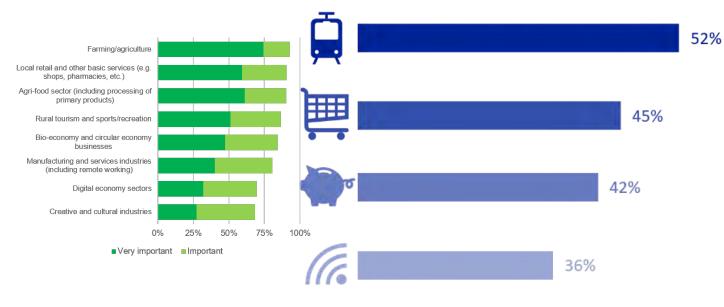




#### **Q6** Sectors ensuring the economic sustainability of rural areas

- Agriculture is seen by two thirds of respondents as ensuring economic sustainability of rural areas
- The wider agri-food sector, local retailing and tourism are also considered as very important by at least 50%
- The digital economy and creative sector are seen as less important
- Main contributions of the farming sector:
  - Job creation
  - · Access to affordable high-quality food
  - Maintenance of rural landscapes

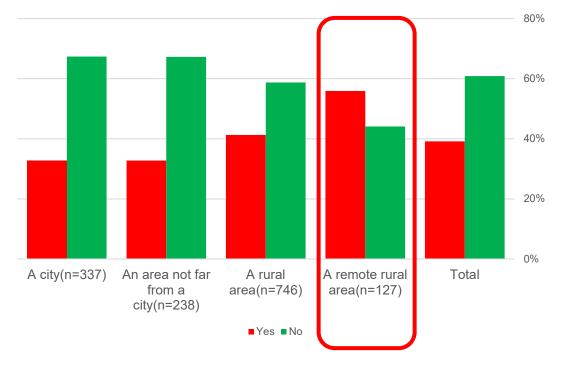




Infrastructure, access to services and facilities, economic needs and digital connectivity mentioned most frequently (more than 300 times)

Other needs mentioned much less frequently, e.g.

- Education;
- Affordability of housing;
- Demography



## Q 13. Do you feel left behind by society?

Two out of five respondents feel left behind by society

- 39 % yes
- 61 % no





# Thank you for your attention!





### Urban-rural flows in the Central European Area

16.12.2021 | Bernd Schuh



#### Content

One step back – how can urban-rural linkages be depicted and therefore analysed and compared on the EU scale

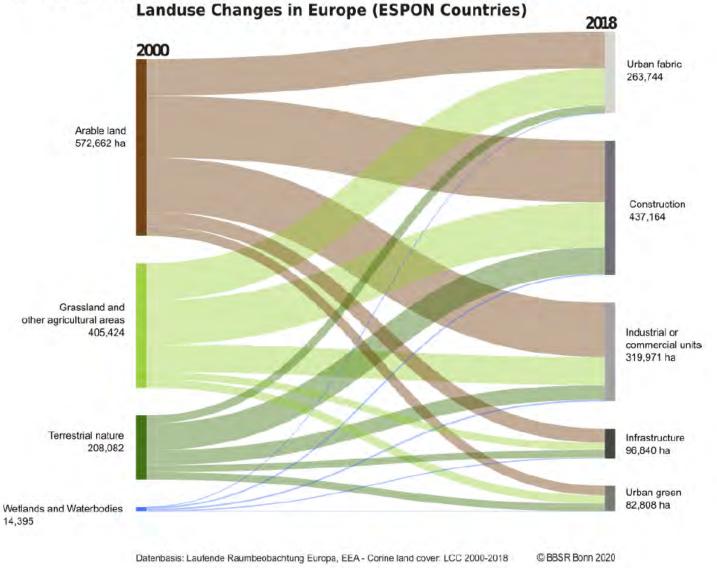
2 examples: ESPON CE Flows & ESPON SUPER



Figure 2.1: Changes to urban land use in the ESPON territory (2000-2018)

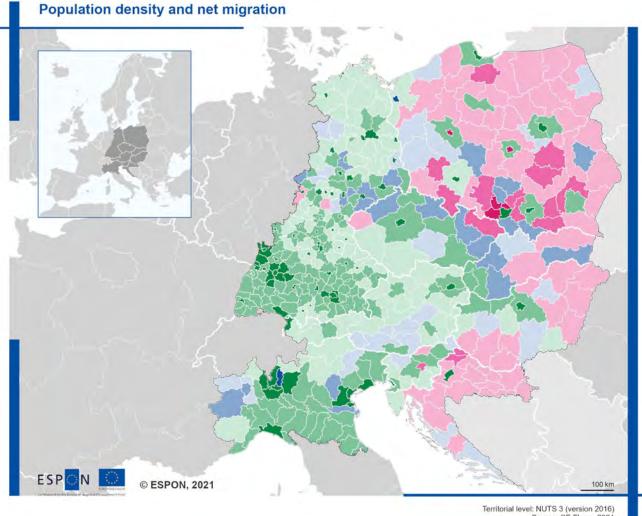
### The overall trend

14,395

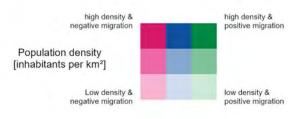




Commuting in the light of demography



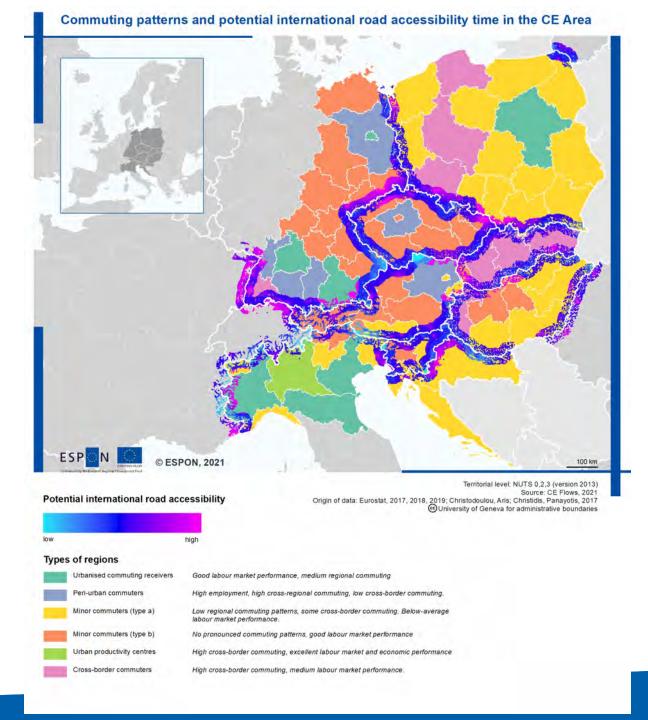
Territorial level: NUTS 3 (version 2016) Source: CE Flows, 2021 Origin of data: Eurostat 2021 @University of Geneva for administrative boundaries



Average rate of net migration (2014-2019)



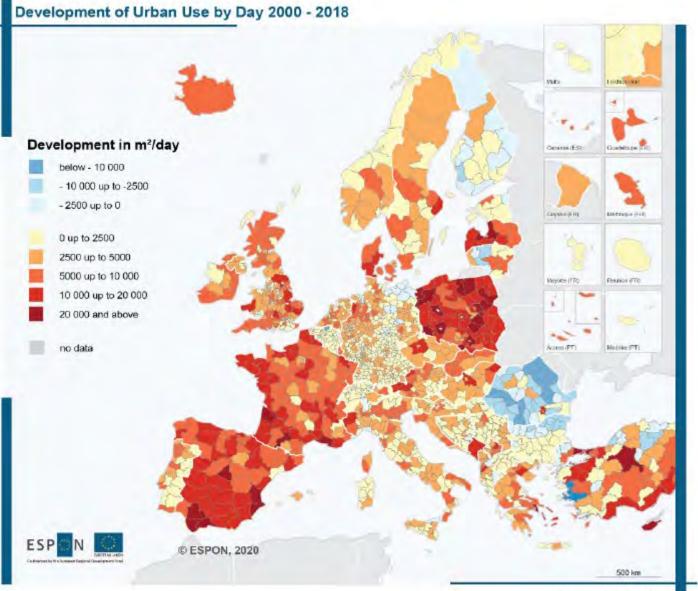
## Commuting cross-border





Map 2.1: Daily rate of urbanization in the 2000-2018 period

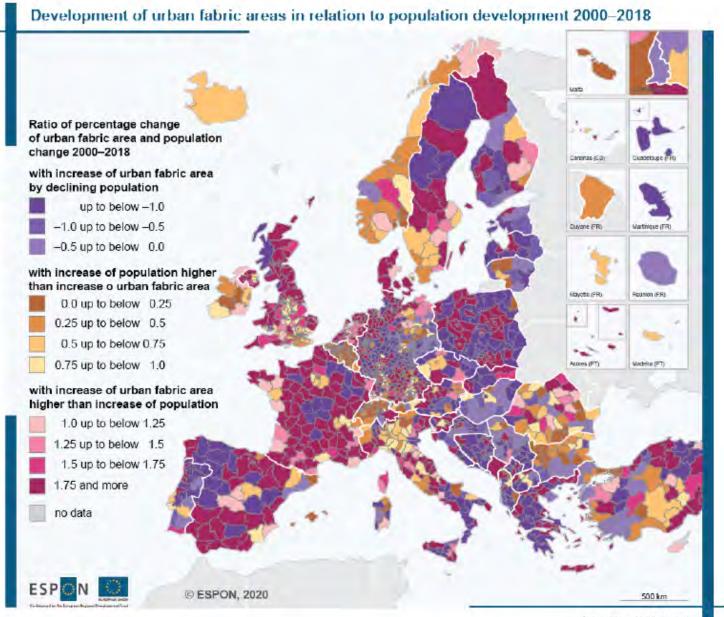
SUPER – the Urban Development perspective



Regional level: NUTS 3 (2016) Source: ESPON SUPER, 2020 Origin of data: Corina Landcover, 2019 ©UMS RIATE for administrative boundaries



The development of urban fabric





#### Additional information

ÖIR GmbH

Bernd Schuh schuh@oir.at | +43 1 533 87 47 1010 Wien, Franz-Josefs-Kai 27

Subscribe to our e-letter: www.oir.at/e-letter

