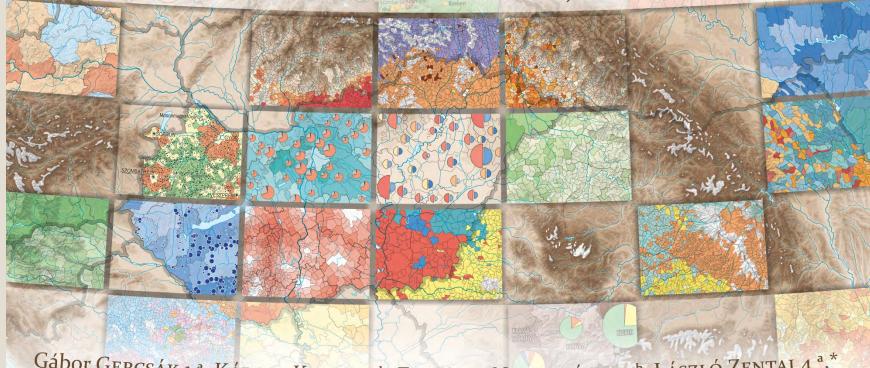
THE NEW NATIONAL ATLAS OF HUNGARY, vol. SOCIETY



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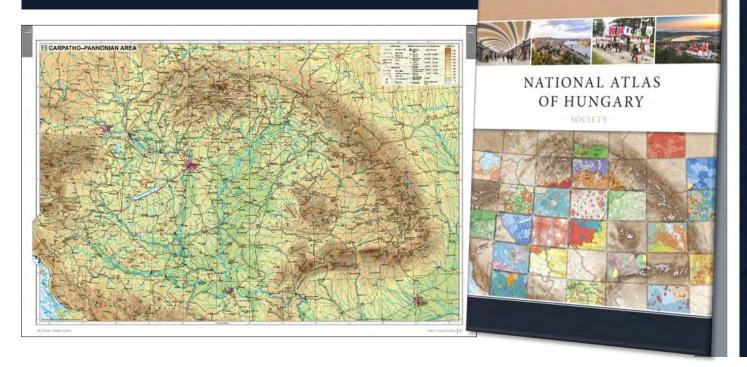
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NATIONAL ATLAS OF HUNGARY

NATIONAL ATLAS OF HUNGARY – SOCIETY

- I. THE HUNGARIAN STATE AND ITS PLACE IN THE WORLD
- II. NATURAL ENVIRONMENT (published in 2018)
- III. SOCIETY (published in 2021)
- IV. ECONOMY



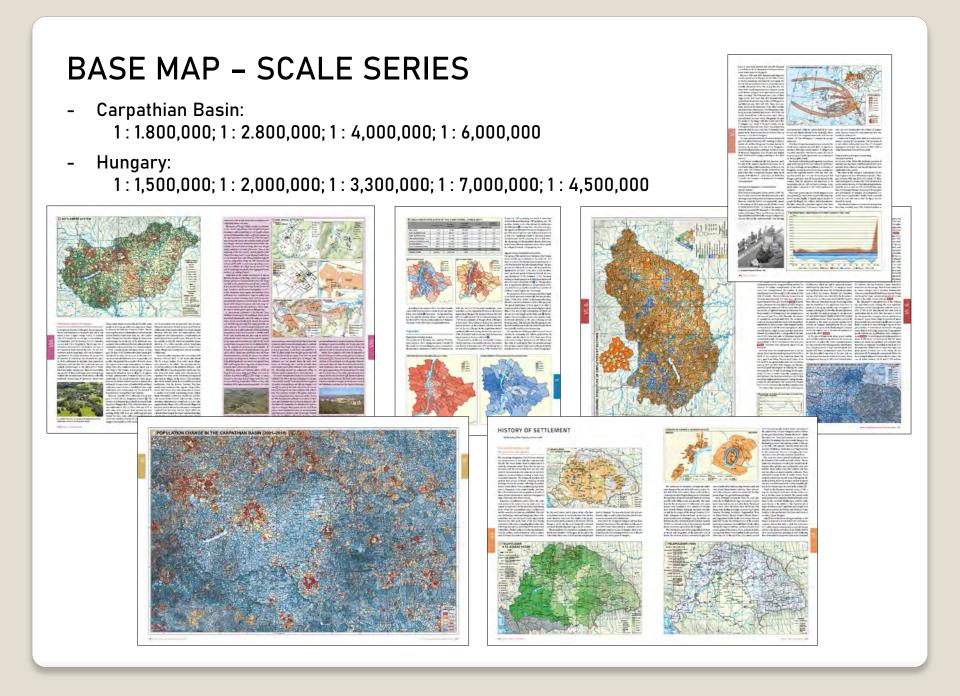
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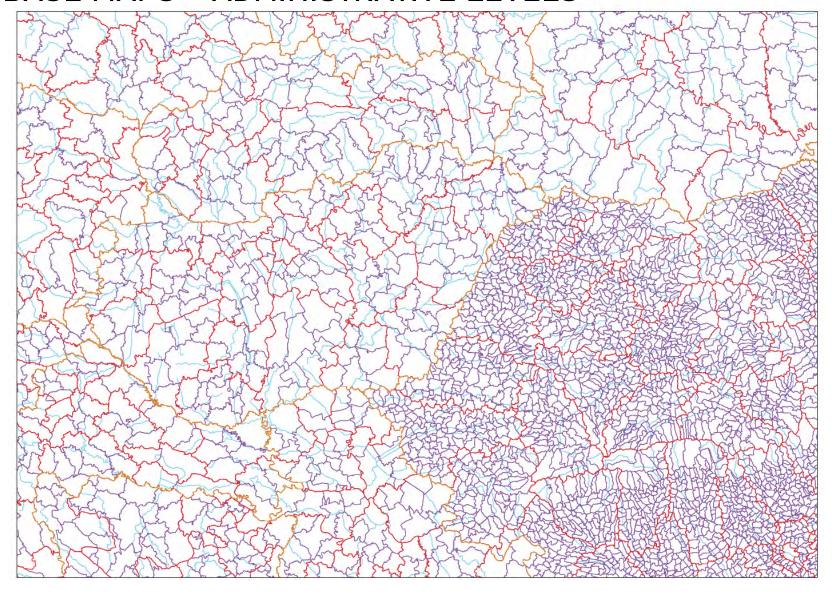
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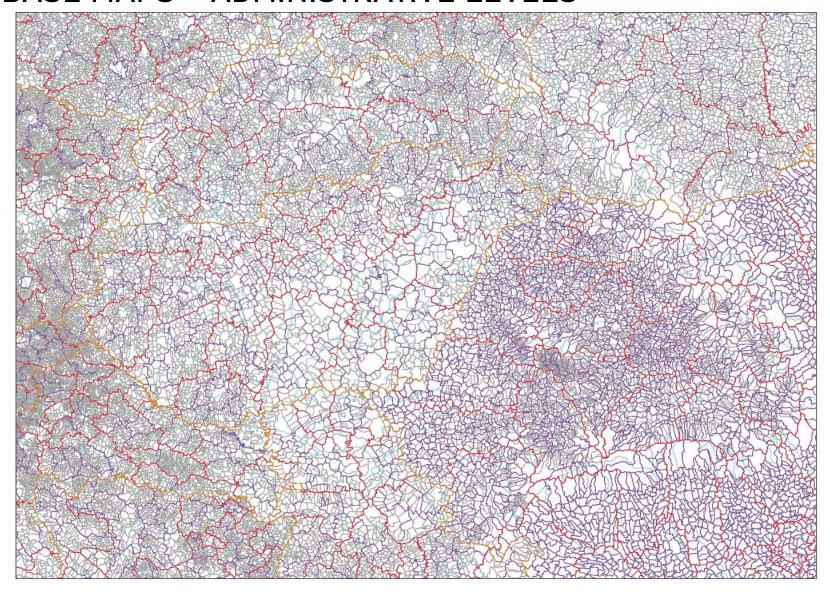
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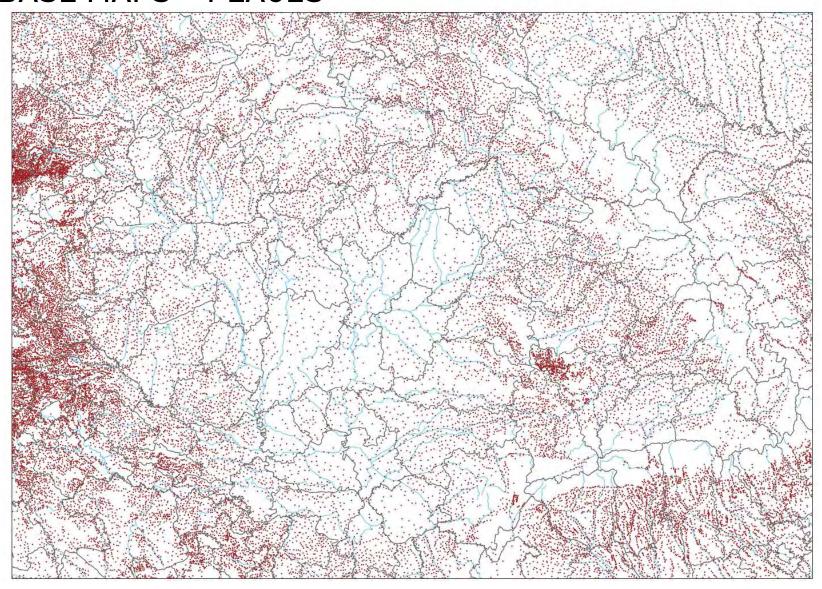
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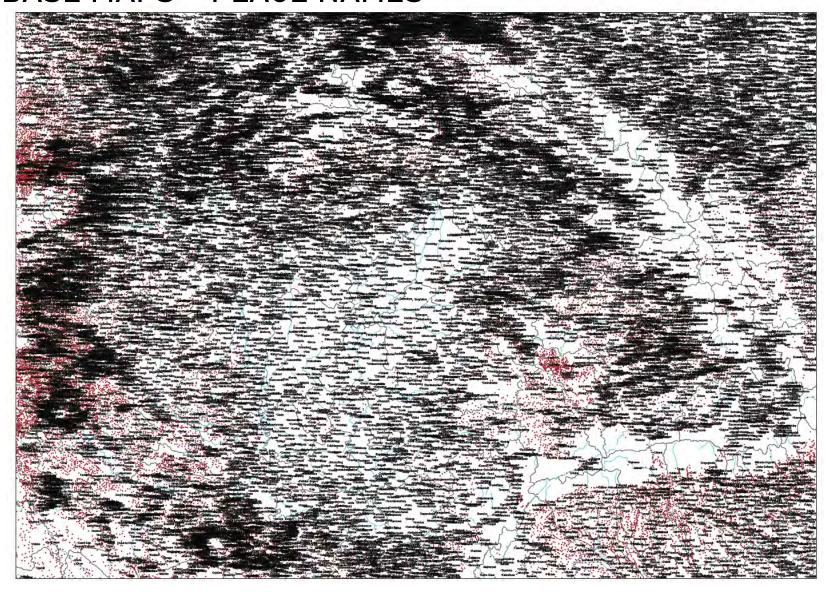




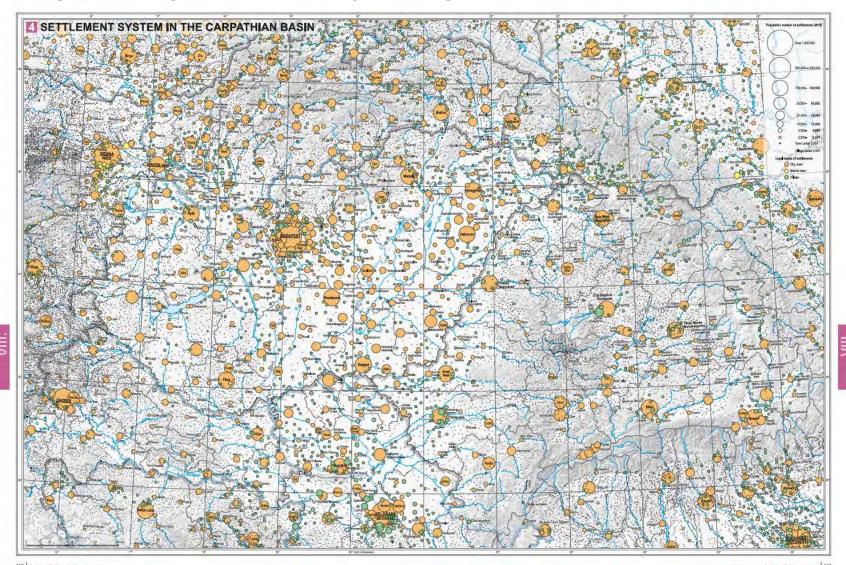
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BASE MAPS - PLACE NAMES



BASE MAPS - THEMATIC MAPS



I. HUNGARY AT A GLANCE

HUNGARY AT A GLANCE

Károly Kocsis

and 48°35' of northern latitude, almost equidistant venia - 102 and Austria - 356. Administrative directions: Since 1950 Huggary is extended in 100 country. From Budger the report is indicated country. From Budger the report is possible to the Administrative directions: Since 1950 Huggary is recognized in 100 country. From Budger the report is recognized in 100 country. From Budger the report is substituted in 100 country. Budger the report is substituted in 100 country. Budger the report is substituted in 100 country in 100 country

gary wan no 100th position ranks in the middle of crossed (1918: 71, 1930: 25, 1950: 19).

gary (in km²) are Lake Ballation (Lake Fetch)

gary (in km²) are Lake Ballation (Lake Fetch)

Population: On the present territory of the country,

Neusiedl (87, total area: 355) and Lake Velence (26).

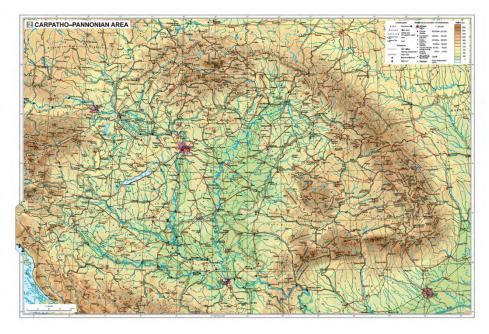
Location: Hungary is located in the Carpathian Busin, in the southeastern part of Central Europe between by the following countries: Slovakia - 679, Ukraine - (1.75 million inhabitants), followed by these towns 16°05' and 22°58' of eastern longitude, and 45°48' 137, Romania - 453, Serbia - 164, Croatia - 355, Slo- (thousand people): Debrecen (203), Szeged (162),

and the capital are subdivided into districts: 174 considered allowland country, since 82.4% of the terrispans 528 km from the west to the east, and 268 km Among the local municipalities (3,154) there are 345 the mean sea level, and only 0.6% of the territory rises from the north to the south. Geographical extremes urban settlements, out of which 23 are called towns over 500 metres 🖺 The highest point of the country west; the Nagy-Millic mountain peak in the north
and parts of the village territory of Beremend in the
lennium's history. Following the partitioning of the

9,778,000 inhabitants lived on 1 January 2018, which Land use: 79.7% of the territory is cropland (out Borders: The present borders of the Hungarian state meant 105 people/tra* population density. This num-practically serve from after the collapse of the acute has been of inhabitants (which is comparable to that of 8.4%). One fifth of the territory is regarded as label. Hungarian Mounchy, when the dictated Peace of Tri- Sworder. Azerbains, Felture and Portugal places taken out of cultivation (e.g. readentals, industrial. inon (Versailles, 4 June 1920) cut the territory of his- Hungary as an average country (91st position in the transport areas, lands unsuitable for cultivation or torical Hungary into pieces. The total length of the international rank of the countries of the world). barren lands).

Territory: The Hungarism state territory (93,024 km²) ('járás') in the counties and 23 ('kerület') in Budapest. tory does not reach the 200-metre elevation above are the village of Garbolc in the east, where the sun
with country rights ('megyei jogu 'airos'). The system
(Mt. Kikes) is 1,014 metres; the lowest point (near
rises 27 minutes earlier than over Felsészőlnök in the
of Hungarian counties, as substantial administrative
Szegod' is at 78 metres a.s.l. The country lies in the south. As regards the territory of the country, Hun-country in 1920 the number of counties steadily de- (417 km) and Rába (188 km). The largest lakes of Hun-





II. HISTORY OF POPULATION

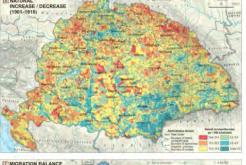
The difference between the crude birth and death rates is the natural increase (or decrease) III. In addition to the increasingly widespread decrease in mor tality, differences in fertility and the birth rates are the main causes of spatial differences in natural increase. Thus, the lowest values and even natural decrease (with the number of deaths already exceeding the number of live births) are typical for the traditional areas of early birth control mentioned above [1]. All these suggest that as a result of the demographic transition, Hungary gradually moved from an old mortality-controlled demographic system to a modern fertility-controlled one, as families consciously began to regulate the number of children and the timing of

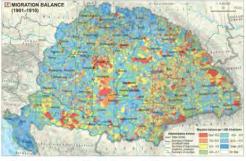
In addition to natural increase, actual population changes are influenced by migratory movements. The net migration rate per one thousand people desig nates the target and source areas of internal and international migration . In areas with low carrying capacity in terms of the agricultural population but inhabited by people with significant natural increase (e.g. regions in the barren Dinarides inhabited by Serbs and Croats, and in the northern horder region in the Carpathians with Slovaks and Rusyns) the local excess population sought prosperity elsewhere, thus causing considerable local migration losses. To a lesser degree, similar emigration zones arose in areas with German and Hungarian populations in Transdanubia and the southern regions. At the same time, Budapest and its expanding agglomeration, other major cities and the newly booming industrial areas were the primary targets of internal migration, accommodating large numbers of newcomers. Extensive rural areas with previously sparse populations were also among the winners of internal migration at the turn of the 20th century. During this period, the mass outflow of the agricultural population to the outlying fragmented furmsteads ('tanyas') near towns in the Alfold (mainly in the Danube-Tisza Midland) intensified. Slavonia also saw outstanding migration gains because after the dissolution of the Military Border (1871-1881), enterprising farmers and landless labourers (Hungarians but also ethnic Germans, Czechs, Slovaks and Rusyns) migrated (mostly) from Transdanubia and Bácska in large numbers to the extensive and chean Slavonian lands that had become available for sale

During the 19th century, as the modern migration and colonisation campaigns were gradually discontinued, the number of Hungarians living in the centrally located areas with the most favourable agricul tural production conditions in the Carpathian Basin. which therefore had a higher carrying capacity, tripled compared to that of the nationalities. Thus, the ratio of Hungarians in the total population increased from 35% to 48% between 1787 and 1910 (and to 54.5% if we exclude the Kingdom of Croatia-Slavonia). Ethnic processes favourable for Hungarians included a higher rate of natural increase, the scattering of the nationalities from the mountainous peripheries with unfavourable agricultural conditions in the central Hungarian ethnic areas, natural assimilation in what was a Hungarian language milieu, particularly affecting the urban citizens and a lower rate of emigration for Hungarians compared to that of the nationalities III.

In the first half of the 19th century, the most striking change in the religious structure was the increasing conversion of people with Orthodox religion (especially Romanians in northern Transylvania) to the Greek Catholic faith. In the liberal era that followed the Austro-Hungarian Compromise (1867), the eman-

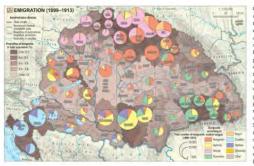




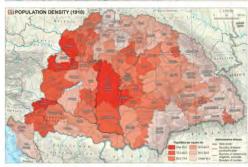


cipation of non-Roman Catholic religious groups inten-

sified. A liberal attitude towards Jews in the Kingdom they settled increasingly in Austria, particularly in its of Hungary resulted in a significant Galician immi- more developed areas adjacent to Hungary (thus maingration from the end of the 18th century. In the final ly in Vienna), Large numbers of people also emigrated third of the 19th century, however, this significant mi- to America, which offered a much more promising







III clearly illustrates the regions and ethnic groups most affected by emigration. The main drivers of dif- and Jews living in Galicia, who were the first to expefine emigration at that time were barsh natural con-rience the benefits of emigration to America, gave ditions for agricultural production, the associated rise to the largest emigration core area in Hungary in

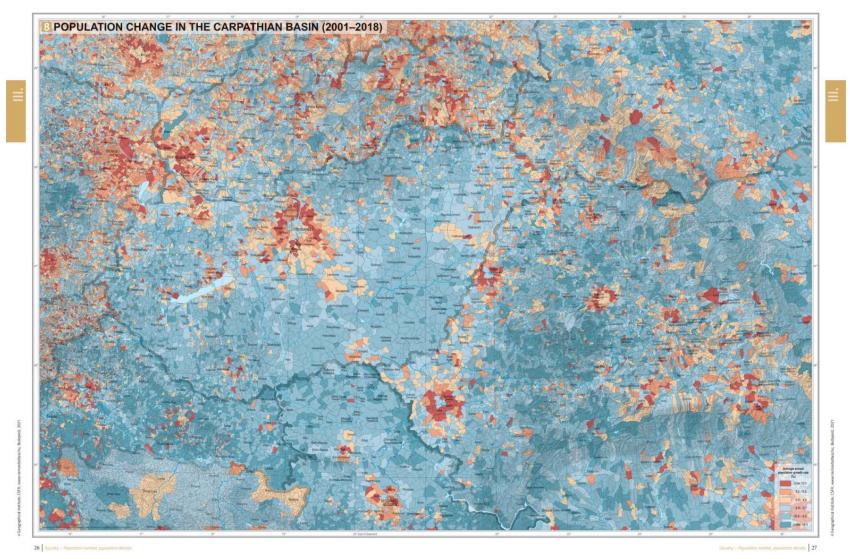
The map on emigration from Hungary (1899-1913) poverty, and the informal channels of information that led people to emigrate. Contact with Poles, Rusyns

the northeast, mainly inhabited by Slovaks, Rusyns and Hungarians. For similar reasons, the propensity to emigrate increased in the Croatian and Serbian areas of the barren Dinarides due to contact with Croatians on the coast of Dalmatia. Largely due to the desire to accumulate capital and reasons related to inheritance (the heir to the estate was the firstborn), a particularly high proportion of ethnic Germans (not only from Transdanubia, but also from the highly fertile southern regions) tried their luck overseas. Romanians from the Banat and from southern Transylvania, having been encouraged by the German exam ple, emigrated to America in large numbers. The emigration statistics outlined here do not cover the vast majority of migrations to Austria (mostly to Vienna). as such movements were not subject to authorisation. Nor do they include those Székely emigrants who left illevally for Romania through the Carpathians. At the same time, there was also a significant rate of return migration during this period. This partly explains why although 1.4 million people emigrated from the Lands of the Crown of St Stephen (the Kingdom of Hungary and the Kingdom of Croatia-Slavonia together) between 1899 and 1913, the rumber of Hungarian citizens living in America around 1910 was estimated at only 800,000.

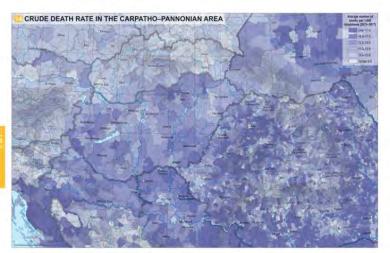
In the period between the first and last censuses of the Dual Monarchy (those of 1869 and 1910), the char acteristic spatial differences in population change were shaped in some places by natural trends in vital statistics and elsewhere by migration. The dynamic growth of the population was mostly due to natural increase in the Rusyn regions of the Northeastern Carpathians, in the Hungarian-inhabited Szabolcs region, in the Slovakian core area of the northwestern parts of Upper Hungary and in Zagorje in Croatia. lowever, particularly high population growth in Budapest, in the other major cities, in the booming industrial centres, in the tanya areas of the Danube-Tisza Midland and in Slavonia was mainly due to internal migration gains. As a demographic antipode of these regions, a significant population decrease was registered - due to a small natural increase/decrease in the southern belt of the central parts of Upper Hungary and the southeastern part of Transdanubia and due to migration losses - in the eastern third of Upper Huneary and the Dinarides. In the northern parts of the Banat, which were mostly inhabited by Swahians and in some parts of Transylvania, where the Saxon population was dominant, both factors of vital statistics played a role in the significant decrease of the

In the period from the end of the 18th century until 1910, the population density in Hungary changed due to the above mentioned trends in vital statistics. whereby the western (Croatian, Transdanubian and Upper Hungarian) counties in the vicinity of the Austrian provinces maintained their high population density values - partly in consequence of the economic mefits associated with their proximity to Austria (benefits that dated back to the time of Turkish occupation). In contrast, the eastern third of Upper Hungary, which had been densely populated until the 19th century, constituted one of the more sparsely populated parts of Hungary in 1910 due to mass emigration . At the same time, the fertile Alföld, which had attracted the habitants of the mountainous periphery like a magnet, and the capital city (established in 1872 as Budapest), as well as its environs, had a high population

III. POPULATION NUMBER, POPULATION DENSITY



IV. NATURAL CHANGE OF POPULATION



areas most affected by war migration between 1991 of Vojvodina, the Apuseni Mountains, the mountains of Banat and the villages of the Transylvanian Plain).

In mortality studies, infant mortality (i.e. deaths under one year of age) is always of particular importance. dicator of the overall development of each country. of the health and social care system, of prenatal and neonatal care. Infant mortality has a significant impact on life expectancy at birth.

In Hungary only 0.22% of all deaths were accounted for by infant mortality in 2020 (compared with 30.8% in 1910). The infant mortality rate relative to from cancer 1.000 inhabitants has reached historic lows in recent years (3.4%, ___), mainly due to the hospitalisation of newborns requiring treatment (including premature babies), advances in medical equipment and the preparedness of specialists.

Infant mortality is closely related to the socio-eco nomic conditions and health behaviour of the mother There is a close relationship between a mother's level of education and the infant mortality of her children. As the level of education rises, the neonatal mortality rate decreases. For this reason, too, the social composition of the population and the level of economic de velopment largely explain regional differences in infant mortality. The infant mortality map of the Carpathian Basin exhibits east-west oriented spatial divisions. In Hungary, areas with higher infant mortality - associated with the low social status of the local population - occur mostly in the northeastern and southwestern areas of the country and in Kiskunsag. In Slovakia, however, a high rate of infant mortality is seen in the eastern areas, where Roma account for a high proportion of the population.

Mortality differences are most accurately manifest ed by life expectancy. Commonly used in demographic

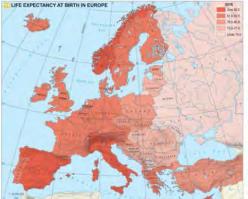
analyses, this indicator condenses the mortality con-reaching unprecedented levels . The timing of the and 1995, the Dinarides and Slavonia, the rural areas ditions of a particular year into a single number, ex- improvement, which occurred several years after the pressing the average amount of years that people of a collapse of communism, varied from country to councertain age can still hope to live.

and in the Mediterranean region (81-84 years, 77). as deaths from diseases of the circulatory system and

tries in the Carpathian Basin, with life expectancy it remained stagnant until 2007. Only in the last ten

try. In the early 1990s, the mortality crisis peaked in According to the data for 2019, the highest life ex- the majority of central and eastern European counpectancy at birth can be expected by inhabitants of the tries, with a decrease or stagnation in average life ex-Indeed, the infant mortality rate is an important inimprovement registered in Hungary, with life expec-Meanwhile, life expectancy in Central and Eastern Eu-tancy at birth rising from 69.3 years to 75.5 years in rope remains less favourable. The differences are most- the space of almost a quarter of a century . The trends ly due to the health-related causes of death (smoking, of the countries in the region vary greatly. In Ukraine, excessive alcohol consumption, violent deaths), as well as in the other Soviet successor states, the mortality rate reflected an extremely profound socio-economic shock: between 1990 and 1995, life expectancy at birth In recent decades, mortality decreased in all coundecreased by 3 years, and after a moderate increase.



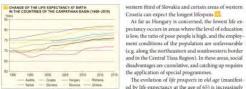


As far as Hungary is concerned, the lowest life ex-

important for the pension system and the institu-

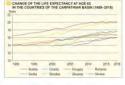
Life prospects among the elderly population are sim-

countries, the trend generally started with stagnation



years has there been an improvement in mortality in that country. The timelines show similar trends in two other groups of countries. Austria and Slovenia (the latter is rapidly catching up with the former) are among the frontliners, with life expectancy for the population as a whole being 81.7 and 81.2 years, respectively. The third and more populous group includes slightly diverging countries (e.g. Romania, Serbia, Hungary, Slovakia), where life expectancy currently ranges from 76 to 78 years.

The major cities of the Carpathian Basin and its western and northwestern areas are characterised by relatively low mortality and high life expectancy. Towards the east, deteriorating mortality conditions, increasing life expectancy differences, and accentuated regional inequalities can be seen. The fundamental reason for this is that in countries with high standards of living and correspondingly high life expectancy, people's life prospects are closer to the biological limits of life expectancy. Above a certain income level, incremental increases in lifespan tend to be more modest, resulting in the regional convergence of such values. Spatial differences in life expectancy at birth are determined within each country by the composition of the local society (mainly by the education of the people living there and the labour market and income conditions). Accordingly, in addition to the major cities of Hungary. Transylvania. Slovakia and the Voivodina region, people living in the agglomeration of Budapest, the Balaton region, the most developed north-



everywhere ... For the period as a whole, life expec tancy at the age of 65 was highest in Austria (20.1 years in 2017), and the Slovenians are now only slightly behind (20.0 years). In terms of life expectancy at 65. Slovakia and Croatia (17.4 years) are followed by Hungary and Romania (both 16.4 years). In Hungary therefore, the improvement has been somewhat ambiguous, as the gains in life expectancy have been greater in all other Visegrad countries. The Hungarian values are lowered primarily by a more modest improvement in the life expectancy of elderly men. The spatial pattern of life expectancy at the age of 65 in Hungary closely resembles that of life expectancy at birth (cf. and). At this age, people living in Budapest and along the northern shore of Lake Balaton have a life expectancy of at least 18 years, reflecting the significant proportion of high-status Hungarian and foreign elderly people. In some of the elite Buda districts (I, II and XII), life expectancy at 65 is 20 years (i.e. today's Austrian level).

The collapse of communism occurred three decades ago. The subsequent period is long enough to ascertain spatial changes in lifespans and to evaluate how evenly or unevenly the improvements in expecand in the Central Tisza Region). In these areas, social tancy have been and which areas were able to benefit from the improvement in mortality that has characterised society as a whole. In the period between 1985 The evolution of life prospects in old age (manifest- and 1989, the maximum life expectancy at birth was ed by life expectancy at the age of 65) is increasingly 71.5 years at district level. Over the past three decades, this indicator improved in all districts, but the tional system of health and social care for the elderly. rate of improvement was not even 55 Spatial mortality inequalities among districts decreased moderately. ilar in several respects to life expectancy at birth, which There has been a modest improvement in the regions characterises general mortality. Yet, the differences of Borsod, Gömör, Abaúj and the Central Tisza Rebetween countries are smaller. In the post-communist gion, where life prospects have improved by only 3-4 years. Similarly, this indicator has increased only modand a minor halt in the early 1990s. Then - except for estly in the western Hungarian border area with tra-Romania - life expectancy in old age steadily improved ditionally high life expectancy and in most districts





V. MIGRATION



economically more developed than Hungary (e.g. Germany: 60%; Austria: 54%; Netherlands: 50%) and is similar to the indicators for the neighbouring postcommunist countries (e.g. Slovenia: 39%; Poland: 35%; Czechia: 30%). Even so, it is clearly higher than the percentage in less developed regions of the world. The relatively small size of Hungary, the rapidly evolving transport network, increasing motorisation and the increasing spatial mobility of the workforce play a

History of commuting

A spatial division between place of residence and the workplace emerged in the early 20th century, giving rise to commuting in its wake. It was only in the communist era, however, that commuting became a largescale phenomenon. Opportunities for regular commuting arose in the region of Budapest with the development of a suburban transport system (tram and HEV lines) and the rapid development of the manufacturing industry. The newly established industrial

plants not only attracted labour from the surrounding villages to the capital. Even before World War I, they were increasingly located in the suburban zone at the time (e.g. Kispest, Csepel and Ujpest), triggering the commuting of workers. A noticeable increase in commuting occurred only in the environs of Budapest between the two world wars: in 1930, 33 thousand, in 1939 already 40 thousand people went to work in the capital from surrounding settlements which were incorporated into Budapest in 1950. The number of commuters in Hungary in the years before Vorld War II was less than 100 to 150 thousand people. By 1960, however, when a discrepancy between place 3 Railways were used for mass commuting into the capita of residence and place of work was registered for the first time in the Hungarian census, 612 thousand neo ple, or 12.5% of employees at the time, were not work- distances to jobs in the industrial axis (North Hun-Communist industrialisation and the restructuring of agriculture, the growth of large-scale farms and Transdanubia), the workforce began to commute long

NUMBER AND PROPORTION OF COMMUTERS

1341

1585

34.0

35.2

1976 4973

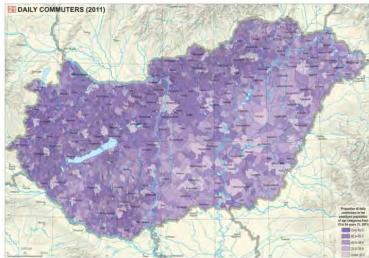
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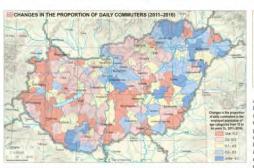


ing in their place of residence, so they commuted [1] garian Range, northern Transdanubia) and Budapest

Commuting changed the rhythm of life in rural armechanisation have all contributed to this. From areas eas and the lifestyle of families male commuters travwith a typically agricultural profile (Alföld, Southern elled home only weekly, or every two weeks, while women worked in the local productive cooperative, or became so-called household workers and cultivated their family smallholdings 5. The number and ratio of commuters continued to increase until 1980, when more than 1.2 million people (i.e. nearly a quarter of all employees) commuted in Hungary. This was the peak of communist-style commuting, mainly from villages to the urban industrial plants.

After 1990, economic restructuring and the declining number and status of industrial jobs caused a fall in the number of commuters. After the turn of the millennium, however, the decline went into reverse. Longdistance commuting was gradually replaced by daily commuting over smaller distances. Despite the fluc-







tuations in the number of commuters, the overall ra- of jobs increased by 196 thousand and the number of tio of commuters in Hungary has steadily increased in recent decades, and this trend is expected to contings in the future

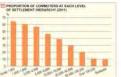
Spatial structure of commuting

Industrial plants with outdated technology and employing predominantly low-skilled manual workers were closed down after the collapse of communism Many of the dismissed workers obtained jobs in the service sector in nearby major cities or in new manufacturing jobs created by foreign working capital in northern Transdanubia and Central Hungary. Automotive and electronics plants in northern Transdanubia mostly employed, instead of local labour, less skilled workers from nearby villages and small towns. who, for lack of a better job, began to commute. As a result, the proportion of commuter jobs increased to the largest extent in Fejér, Győr-Moson-Sopron and Vas counties, as well as in Budapest between 1990 and 2001. During this period, the rate of commuting, which had previously been very significant, decreased in traditional industrial areas (Baranya, Borsod-Abaùj-Zemplén and Nógrád counties) due to the loss of industrial jobs.

Significant changes occurred in the regional structure of employment and commuting between 2001 and 2011 compared to the previous decade. The number

commuters increased by more than 260 thousand people. Due to suburbanisation in the meantime, commuting was increasingly concentrated in the major urban areas (Budapest, Debrecen, Szeged, Pécs and Győr). After the collapse of communism, the number of jobs A new form of commuting also appeared, with workers going from large cities to jobs in the suburbs.

The spatial structure of commuting in 2011 shows, on the one hand, the differences in the structure of thus associated with relatively high unemployment). the settlement network: the giant villages and the mar- In these areas, the working-age population has been ket towns of the Alföld are much more 'self-employed', unable to respond to the lack of jobs by undertaking while people living in the more fragmented settlements spatial movement and commuting.



of Transdamubia and Northern Hungary are more reliant on commuting . On the other hand, economic success is also reflected on the man, as indicated by the far more intensive commuting in Budapest and the prospering region of northern Transdanubia, in contrast to Southern Transdambia or Northern Hungary However, regardless of the geographical situation, there is a commuter area of variable size around each of the major cities, which can be explained by suburbanisation after 1990. East-west differences deepened in the period after 2011 By the time of the micro-census in 2016, the ratio of commuters had increased by more than 5% in most districts of Transdanubia, while in many districts east of the Danube stagnation and decrease were typical. The commuting map at the level of districts at the time of the micro-census indicates a further strengthening of the spatial structure described for 2011

The distribution of commuting within the settlement network shows marked and regular differences. The smaller a settlement is, the bigger the role played by commuting will be in its life. This is natural, as the number of jobs in villages and small towns falls short of the labour supply, whereby most people of active age are forced to commute M An analysis of the changes over time reveals that after 1990 the ratio of outcommuting people increased in all categories of municipalities, but the process was much faster in cities with a population of more than 50 thousand ... The increasing rate of commuting among the metropolitan labour force is a new phenomenon and can be associated with the increasing incidence of high-paying jobs in the suburbs.

Crisis areas with low rates of commutine and high rates of unemployment

in Hungary fell sharply, but the changes were uneven in spatial terms. In some disadvantaged areas, commuting has declined due to job losses (the decline is

NUMBER AND PROPORTION OF OUT-COMMUTERS AT EACH LEVEL OF THE SETTLEMENT HIERARCHY (1990-2011)

Bettiement caregory	Num	iber of out-commit	MITTER.	Proportion of out-commuters (%)			
(people)	1990	2001	2011	1990	2001	2011	
Under 1,000	217,330	147,132	168,454	67.7	86.2	64.5	
1,000-1,999	221,775	173,932	199,185	56.6	59.3	60.7	
2,000-4,999	297,883	260,760	297,092	48.8	53.3	56.9	
5,000 - 9,999	142,795	133,012	165,009	37.7	:42.7	46.5	
10.000-19,999	137,347	130,842	175,710	26.3	32.5	39.1	
20,000-49.999	83,554	106,023	148.705	16.0	23:9	29.8	
50,000 - 100,000	23,477	51,733	56.839	6.5	16.0	20.5	
Over 100,000	25.169	38,806	51,158	4.7	8.5	10.8	
Budapest	31,714	66,673	78.681	3.5	8.9	10.1	
In cotal	T. FRY. GAR	7. 008.013	1,340,821	26.1	20.0	360	

EMPLOYEES BY MAJOR GROUPS OF OCCUPATIONS

The collapse of communism triggered profound transformations in the Hungarian labour market. For instance, the hidden unemployment of the past became overt unemployment. The number of unemployed people was first recorded in the census of 1990 (126,227 people). The two following censuses reported rising unemployment, but there was a significant improvement between 2011 and 2016 VLE.9. In terms of unemployment the most difficult period in Hungary was between the autumn of 1990 and early 1993, when the number of registered unemployed increased from 50 thousand to 519 thousand and the unemployment rate jumped from 1% to 12%. Thereafter the number of unemployed declined until 2002. The unemployment rate then gradually increased, with the problem amplified by the 2008 economic crisis. Hungary reached a new peak in 2012 (472 thousand unemployed), which was followed by a slight increase and then, from 2014 onwards, by a sharp decline. Consequently, by the summer of 2019 there were only 163 thousand registered unemployed people. The unemployment rate thus decreased from 11.1% to 3.5% between 2012 and 2019 VLG 11. This latter value represents almost full employment.

In recent years, the unemployment rate in the European Union has decreased significantly (to 6.3% in 2019). In the countries of the Carpathian Basin, the low the EU's average unemployment rate everywher Between 2011 and 2019, both Hungary and Slovakia achieved significant progress in reducing the unemployment rate (by 7.5 and 7.8 percentage points respectively) [1] Even in Serbia, where the unemployment rate had been 23%, there was a decline to 10.5% (this was still the highest rate in the region). During the same period, the unemployment rate increased in Ukraine from 7.9% to 8.9% due to the war that erupted in 2014. The ratio of the unemployed to the active popula-

tion in the Carpathian Basin shows significant regiondetail based on data from 2011. In Hungary's southern neighbours, the areas with the highest unemployment include the Krajina, Slavonia and Vojvodina regions, all of which were affected by the devastation and economic problems associated with the Yugoslav Wars. Moreover these areas also saw forced migrations, with the resettlement of a significant proportion of people of working age and the mass immigration of inemployed refugees. In Slovakia, the unemployment 2011, 57.6% of the unemployed had some kind of rate exceeded the national average in certain southern and eastern regions largely inhabited by Hungar- (i.e. the proportion of people without qualifications ians and Roma people. These areas have received little support in the course of national regional development. In Hungary, unemployment was an acute problem in the particularly disadvantaged northeast- gary and they are least likely in northeastern Hungary, ern border regions and in the internal periphery re- where districts with a high proportion of unemployed gions of the Alfold Manager

In the case of Hungary, the above general outline can be further refined using data from the micro-census of 2016. As early as the 1990s, a spatial structural ployed are much less qualified and educated than line was identified (the Balassagyarmat-Mezőhegyes line), separating areas of high unemployment from the proportion of those with no more than eight comregions with lower unemployment rates. Since then, this line has shifted somewhat to the east, and can ployed and 29.9% among the unemployed. There was now be drawn between the towns of Szécsény, Heves, no meaningful difference between the two rates in the rate - apart from Serbia, Ukraine and Croatia- is be- Kunhegyes and Karcag. In 2016, most districts where case of skilled workers (26.3% and 27.8%) and sec-

more than 3.5% of the working-age population was unemployed could be found to the east of this line (i.e. in the northeastern part of Hungary). The other pole is the contiguous area of northern Transdanubia and the agglomeration of Budapest, in which there was no single district with high unemployment

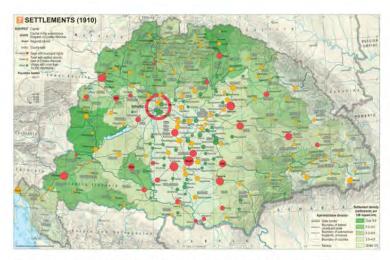
A similar picture unfolds when the number of unemployed is compared with active earners rather than the working-age population. This can be done while determining and spatially analysing the rate. This unemployment rate was 5.3% nationally in 2016, with much higher rates (of at least 8%) being recorded in 17 districts. Their spatial distribution greatly resembles the pattern of the previous indicator VLCC. The unemployment rate remained substantially unchanged in the period between 2001 and 2011 (2001: 8.8% 2011: 8.6%), but the half decade from 2011 to 2016 brought a significant decline in unemployment. Stagnant unemployment in the first period can also be seen on the map showing the changes, as there were hardly any shifts at district level Wass. The significant decline in unemployment between 2011 and 2016 manifests regional differences. In one third of the districts al differences, which can only be presented in more (57 districts), the rate of decline is more than three times the national average. Most of these districts lie in Eastern Hungary and in Southern Transdamubia. There are several factors behind the spectacular change, one being that many unemployed people were transferred to the public worker schemes VI 8-31

The risk posed by unemployment to the workingage population varies. Among the most important risk factors is a lack of qualifications and education. In qualification, but in 2016, this decreased to 54.3% increased). Areas where a high proportion of unemployed people have some kind of qualification are most likely to occur in the more developed regions of Hunpeople without any qualifications form contiguous areas With 100 It is worth approaching the problem in those who are employed. According to data from 2016. pleted grades of school was 11.4% among the em-



92 Society - Promittee structures - Economic activity

VII. HISTORY OF SETTLEMENT



The 1850s saw the advent of a global economic boom, which also affected agriculture. Foreign loans were available for Hungary, and the state was committed to supporting economic and infrastructural develop- on the map are the mining settlements that were rap- attracted 'facilities' for pilgrims, merchants, traders, world city. Following 1867, business opportunities (including business start-ups) were abundant in Hungary and companies were set up at a feverish pace. Between 1867 and 1873, 4,000 kilometres of railway tracks rank, and their range. Budapest was far ahead of oth- in Hungary, but bathing only became a popular pasnancial institutions and 170 industrial joint stock logical revolution, urban settlements were modernised. lic lighting and trams appeared in the major provin- etary assets were held in the accounts of financial in- stitutions in the island and in Teplice. cial cities and Budapest, where even an underground line was completed in 1896, the first of its kind on the continent. A running water supply and sewerage became widespread. The advent of civil public administration led to the abolition of the royal free and market towns. In lieu of these, the more populous cities - a total of 25 - gained municipal rights, while 106 urban settlements became towns with settled council.

Some outcomes of these processes are included in Maps and At first glance, the dense urban settlement system of the core of the country between Ottoman period and the grain boom of the second half of the 19th century. However, in the areas sur- Croatia-Slavonia - regardless of their legal status. rounding this urbanised core (i.e. in Transdanubia, Upper Hungary and Transylvania), the proportion of were the counties of such major cities as Győr, Brassó turies

tem in place, but also the economy received a boost (Brașov), Kolozsvár (Cluj-Napoca) and Kassa (Košice). including Pozsony (Bratislava), Arad, Temesvár (Timi-

> tions and activities in each town, their hierarchical eign) capital, technology and innovation, and social stitutions in Budapest, 61.9% of higher education students studied here, 41.5% of telephone calls were made in the capital, and 26.4% of telegrams were submitted here.) The capital was already surrounded by a ring of suburban towns from Ujpest to Budafok. Together with their residents, Budapest crossed the threshold Hungarian capital were also emerging: e.g. regional zsony (Pressburg, Bratislava), Kolozsvár (Cluj-Napoca), Sighișoara) is surrounded by medieval walls. Temesvár (Timisoara), Kassa (Košice), Debrecen, Nagymay be considered as towns in Hungary - excluding

In terms of origin, structure, architectural character town dwellers was less than 10%. The only exceptions has developed in the Carpathian Basin over the cen-stock and fodder. The latter in addition to animal hus-

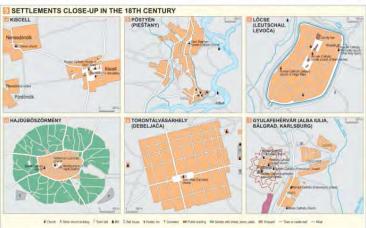
Kiscell (today's Celldomölk) is a Transdambian from the resumption of (limited) national sovereignty. The manufacturing sector contributed greatly to the settlement of special origin; it was built as a place with urbanisation of Budapest and some other major cities, urban features from the beginning. The Benedictine abbey church and monastery, as a famous place of pilsoara), Brasso (Brasov) and Fiume (Rijeka). Also shown grimage, forms the core of the settlement. This core ments, especially the expansion of Budapest into a idly becoming centres of manufacturing (Resicabanya/ inns, a salt house. The original core of the settlement Resita, Stajerlakanina/Anina, Salgotarjan, Diósgyőr). developed into a regular village and then into a mar-The urban hierarchy reflects the number of institu- ketplace and railway junction.

Written sources mention medieval bathing customs were laid in the country, and more than 500 new fiver cities at the top of the Hungarian urban hierarchy at time with the advent of the bourgeois lifestyle in the the beginning of the 20th century. The city was evi-second half of the 19th century. The Postény (Piešťany) companies were founded. As a result of the techno- dently the Hungarian bridgehead of business (and for- spa, built on one of the islands of Vág (Váh), became the country's principal spa in the final years of the Dual Indeed, towards the end of the century, electric pubidess and artistic trends. (e.g. in 1910, 87.9% of mon-Monarchy. The map depicts the early guest service in-

Lőcse (Levoča) in Upper Hungary (Szepes/Spiš County) is an example of a medieval western-style town. The German (Saxon) founders designed the rec tangular main square in accordance with the urban planning traditions that they had brought with them, including the free-standing, arcaded town hall (built of one million inhabitants. The counter-poles of the in 1551) and the masterpiece of Gothic ecclesiastical architecture, the Church of Saint James. The city core centres as Zagreb, the capital of Croatia-Slavonia; Po- (as in Bartfa/Bardejov, Sopron, Buda, and Segesvár/

The map of Hajdůböszörmény, the seat of the priv the Danube and the Tisza and in the Tiszantúl region, várad (Oradea) and Szeged. The county centres formed ileged Hajdú District in the 17th-19th centuries, has is striking. In most counties of the Alföld, more than a rather heterogeneous group in terms of their eco- always been a popular topic in monographs on Huna quarter of the population lived in towns in a func-nomic base and population. At the beginning of the gary in view of the peculiar double-plot composition tional sense in 1910. These features is a legacy of the 20th century, there were 330-335 settlements that of the settlement, an invention of the market towns where the inhabitants kept large numbers of livestock. Each household had a residential plot, the centre of the settlement and, in another part of the settlement, and layout, an extremely wide range of settlements a much larger yarden plot (a hutch garden) for livebandry, also functioned as a vegetable garden.

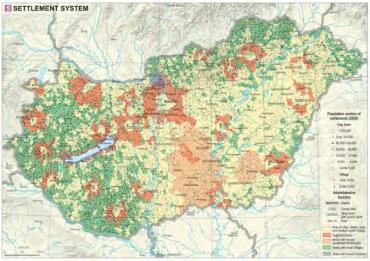




Torontálvásárhely (Debeljača), inhabited by Reformed (Calvinist) Hungarians, is a village in the Banat that was desolated during the Ottoman occupation and in the 18th century re-established (with a chesslar settlements are common in the present-day territory of Hungary and in the Romanian part of Banat.

With its ancient roots, Gyulafehérvár (Alba Iulia) is of a star-shaped, classical Renaissance fortification. The one of the traditional centres in Transylvania (e.g. complex of buildings within the castle walls includes episcopal seat of the Diocese of Transylvania since the the Roman Catholic cathedral and episcopal palace. beginning of the 11th century, seat of the Principality board layout) according to the plans of engineers. Simi- of Transylvania during the 16-17th century). The core of the city comprises the fortress, which was construct ed in the first half of the 18th century on the pattern

VIII. SETTLEMENT SYSTEM



Settlement system of Hungary

In the present-day area of Hungary, the average population of settlements is 3,100 people, and only in Voivoding is there a higher average (4.016). In contrast, only 2,076 people live, on average, in one settlement in Zakarpattia, 1,590 in Slovakia, 1,273 in Transylvania and only 920 in Burgenland. The average size of settlements decreases from the lowland core area of the Carpathian Basin towards the rims. The size of a settlement and its population affect its development opportunities, the quality of services, the labour market situation of inhabitants, and ultimately the capacity of the settlements to maintain their population. Settlements with less than 500 inhabitants were particularly disadvantaged in the attermath of World War II and under communism. Since the overwhelming majority of their inhabitants were working in agriculture, the nationalisation of land and the politically motivated restructuring of agriculture made their



2 Contain Discoveryer on example of the frequencined Personal ts common in the Circle (Vas County)

labour market situation extremely unfavourable. Many people of working age either out-migrated or began

gary, the data of the administrative units (municipali-settlements) ties) should be taken into account. As the data from municipal and administrative units are generally comtrative units, this compliance does not apply. (e.g. in the Orseg in Vas County, several groups of houses, spond fully to the actual settlements. Some geograhers accept each farmstead (tanya) as an independent ettlement. In some cases, administratively combined settlements have not been consolidated into single sszentlélek or Szentgotthárd and Farkasfa.)

mergers. For example, in 1950, 24 previously independ- have become independent municipalities (villages) in

ent municipalities were incorporated into (Greater) Budapest; and today's Miskolc is made up of 8 former to commute to towns and industrial centres. The set-settlements. Many municipalities have been merged tlement policy aimed at diminishing rural settlements (between 1900 and 2000, 544 municipalities were (school districts, construction bans, etc.) also contrib-merged with other municipalities). A small number of uted to this process. After the collarse of communism municipalities have ceased to exist. This was the casedisadvantages due to the size of the settlement were for example, in Gvurufu, which was completely depopmitigated. Most settlements became administratively ulated in 1972. Other examples include Kisúibánya independent and acquired their own local government. in Baranya County and Verteskozma in Fejer County, When considering the settlement system of Hun- (These villages have recently been revived as holiday

Some new settlements have also been created (428 between 1900 and 2018). In the decade after World parable this approach is acceptable. However, in cer- War II, a large number of so-called tanya villages tain regions or in certain municipalities or adminis- were formed in the Alföld. This development was viewed as a solution to the problems of tanyas - such as the difficulty of accessing primary health care. Cerfragmented settlements, form a village [1] In agglom- tain areas with dense tanyas were administratively erations, administrative boundaries may not corre- separated from their parent settlement and organised into separate villages. At the time of their formation, they mostly lacked a classical centre and the associated institutions. Over the decades, however, they have mostly been transformed into 'regular' villages (Môra settlements, such as Esztergom and the attached Pi- halom and Tompa were even designated as towns). A number of industrial and housing estates (Almas There are currently 3,155 settlement units in Hun-füzitő, Tokodaltáró, Petőfibánya, Martfű, etc.) and lakegary, of which 346 are designated as towns 🚺 The - side resorts (Balatonföldvår, Balatonrendes, Balaton number of settlements has gradually decreased in the akarattya, Balatonfenyves, Berekfürdő, etc.) were also ong term; Hungary had 3,412 administratively sepa- organised into villages. After 1990, several villages that rate settlements in 1933, 3,339 in 1949 and 3,070 in had been forcibly attached to cities under communism 1990. Since 1990, however, their number has been regained their autonomy (such as Algyō, which was growing slowly. Still, there are conflicting processes separated from Szeged, Szarvaskő separated from Eger, behind the data. Some settlements (administrative and Berente separated from Kazincbarcika). Several units) have vanished, often in the course of settlement settlements have been formed out of localities that

Settlements with specific forms have developed in the Carpathian Basin over time

The layout of Varsag (Székelyvarság), a settlemen on the volcame edge plateau of the Harghita (Hargita) Mountains, with a population of 1,621 people, almost exclusively Hungarians, reflects a lifestyle adapted to the high mountain environment . From the beginning of the 19th century the extensive lands of Dealu-(Oroszhegy), which rose towards the forested hills, were initially cultivated from buildings that were tempovarily inhabited at the time of harvests. Then, at the beginning of the 20th century. Székely families from Dealu (Oroszhegy) and Corund (Korond) settled here on a nermanent basis, and Värsae (Kzékelevarsáe) hecame an independent village in 1907. Located at an ultitude of 900-1000 m and consisting of houses scattered on a hillside, the village has an area of 77 km2 and its inhabitants mainly live from logging and woodworking (e.g. making shingles).

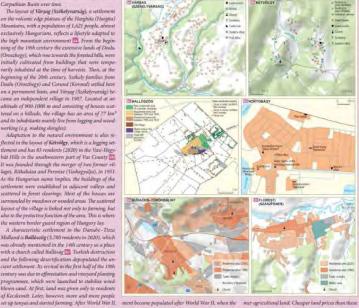
Adaptation to the natural environment is also reflected in the layout of Kétvölgy, which is a logging settlement and has 83 residents (2020) in the Vasi-Heav hat Hills in the southwestern part of Vas County M. It was founded through the merger of two former villages, Ritkahaza and Permise (Vashegyulja), in 1951. As the Hungarian name implies, the haildings of the settlement were established in adjacent valleys and scattered in forest clearings. Most of the houses are surrounded by meadows or wooded areas. The scattered layout of the village is linked not only to farming, but also to the protective function of the area. This is where the western border guard region of Hungary lay.

Midland is Balloszög (3,780 residents in 2020), which was already mentioned in the 14th century us a place with a church called Ballosay M. Turkish destruction and the following desertification depopulated the uncient settlement. Its revival in the first half of the 19th century was due to afforestation and vineyard planting programmes, which were launched to stabilise windblown sand. At first, land was given only to residents of Korskemét. Later, however, more and more neople an important communist objective in settlement policy was the organisation of tanyas in municipalities. To the puszia (bare land). During the large-scale restrucoffice school strong was established near the more stog became an independent settlement in 1954, and - ers were recruited from other parts of Hungary. The in the following decades new streets were opened. Since settlement core was formed where the main would 1990. Bállószőg has been shaped by suburbanisation.

as people have moved out of Kecskemet. Hortobágy with 1,297 residents (2020), which be- this. Hortobágy became an independent village in longs to a rare group of planned villages, also owes its 1966, having been separated from Balmazújváros. existence to political will . The village is a rarity because in most cases it is the larger cities that were born or rebuilt (e.g. Szeged after 1879) according to the standards of the engineering strawing table. The settle-



Hortabagy a village with a regular layout designed by engineers depots and warehouses, largely at the expense of for an evangle of introduct suburban development



this end, a village centre with public functions (e.g. post turing of agriculture, a state farm was established in nifeant benefits to husinesses that settle here today. 1950-51. Many people were brought against their will crosses the Horiobagy River, and the formally established regular parts of the settlement were adapted to

SOME SPECIAL SETTLEMENTS

rökbålint (14,189) to the west of Budapest at the jimetion of the M1 and M7 motorways has been triggered by market economy factors and lifestyle changes in so the inhabitants must travel to Chij-Napoca (Relocsvor). esety . As early as the 1960s and 1970s, the two settlements belonged to the inner commuter belt of Budapest. Most residents worked in the capital, which was also attracting people from other parts of the country. By 1990, the population of Budaors was almost 20 thousand, and Törökbálint had reached 10 thousand. After the collapse of communism, the direction of in- and outmigration changed. Many people moved out of Budapest as a result of suburbanisation. As the metropolita population grew, global capital increasingly invested in the area, establishing office parks, shopping centres.

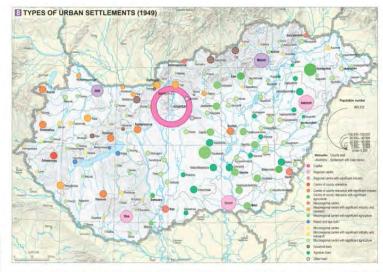
communist state announced its programme to cultivate in Budanest, good accessibility and the presence of a large consumer market nearby continue to bring sig-

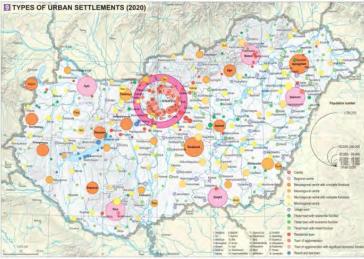
Similar factors played a role in the development of densely located farms. Finally, the ancient core of Ballà- to the local forced labour camps. From 1953 on, work - Floresti (Szászfenes) at the western gate of Cluj-Napoca (Kolozwar) Around one-third of the 6 thousand residents of the settlement were Hungarian when the communist regime fell. Now the settlement has 45 thousand inhabitants, who are mostly ethnic Romanians. The rapid population growth of recent years has been due to a single factor: the influx of people from Cluj-The recent development of Budaörs (29,119) and To: Napoca (Kolozsvár), for whom high-density residential areas have been developed. The basic institutions (e.g. education, health) are largely absent for most services.

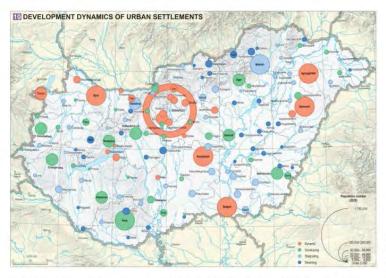


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IX. CITIES







gional and microregional centres had tertiary and agricultural roles.

Towns where at least 50% of earners were working in agriculture, were classified as agricultural towns. Half of the settlements with urban functions (66 of them) were included in this type. Among them we find traditional market towns and several ordinary urban centres, including Hódmezővásárhely, Jászbereny, Nagykörös, Makó, Szarvas, and Kiskunfélegy háza as well as Sárospatak, Dunaföldvár, Pásztó, Ka- Types of cities today puvar and Marcali.

In contrast, only a small number of municipalities In the intervening years, the economic, social and (10) proved to be industrial towns performing mining and industrial functions (the proportion of industrial earners was 82% in Tatabánya, 77% in Ózd and 76% in Ajka). Most of them had set out on the path of urban development as mining-industrial groupings. sequently industrialised (Mosonmagyaróvár, Kőszeg,

In a few Hungarian towns, tourism also played a role among the various functions. Tourism subsequently



tourism in the settlement system. (In 1949, Stofok had only 5 thousand inhabitants.)

Finally, towns forming parts of agglomerations were completely absent at this time (as they were merged the rural and urban levels, while 'titular towns' have into Greater Budapest at the beginning of 1950).

settlement system role of Hungarian cities and their classification by type have changed significantly Urbanisation nowadays is characterised, on the one hand, by the dominance of tertiary - service - func- strong tourism roles, has grown. tions (in nearly half of the settlements with town sta-A few of them were traditional towns that were subexceeds two-thirds). In other words, the urban system exhibits certain uniformity (at least in terms of the occupational structure of the active population). The role and hierarchical rank of cities do not neces-On the other hand, municipal boundaries are being oosened, the most spectacular sign of which is the growing number of commuters (those who travel to a place of work outside the administrative border of ble capacity. To determine the development dynatheir place of residence). This means that the occupa- mism of cities in Hungary, indicators were considered tional structure of the town-dwellers does not provide a firm base for the classification of a settlement. es in population size, the proportion of elderly, the Since the dominant role of cities is to supply their own balance of migration), the social situation (e.g. the proinhabitants and the population of their hinterland (i.e. their catchment area) with urban-type goods and come tax revenues), the local level of economic activity services, any urban typology must include the posi- (the employment and unemployment rates, the dention in the settlement hierarchy, the tasks and type of sity of businesses) and real estate market values (the the city and its relative significance within the settle-average price of second-hand dwellings) in the period ment system. Thus, the first eight urban types in our after the collapse of communism. Using the ranking

became a new function in Keszthely and Balatonfü- map are related to settlement hierarchy. Concerning red. Siofok is the only town that owes its existence to the various types, the mesoregional centres supply county-sized or half-county-sized areas, while the microregional centres have district-level functions. 'Village towns' constitute a transitional group between few or no urban functions. In some instances, the main role of a town is not to provide the populace with urban goods; such settlements were classified in types established without regard to their hierarchical rank. The most common are the residential towns that form part of applomerations. Relatively few towns were included in the industrial function group, but in recent decades the number of lakeside and other resorts with town status, mostly with low hierarchy levels and

Development dynamics of cities

sarily reflect the quality of life of the local population. Their dynamics tell us much more about their recent socio-economic development and their social renewaportion of higher education graduates, the sum of in-

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Society - Urban settlements | 123

also neighbourhoods where children outnumber elderly people, but such areas are increasingly rare.

The ageing of the population of Budapest became more acute between 2001 and 2011. This is clearly in-



AGE STRUCTURE OF THE POPULATION BY ZONES (2011)

dex is uniformly above 208, but there are districts dicated by the fact that there were 138 elderly people where the number of elderly people is five times per 100 children in 2001, but ten years later there were higher than that of children 🖪 Evidently, there are 208. Changes in the ageing index varied within the city. ulation share, the zone of detached houses is not far A higher than average increase could be observed in the peripheral areas of Pest and in several smaller neighbourhoods in other parts of the city . At the to the higher proportion of children (14.4%) . same time, in a few areas the index decreased. Neightral part of Buda near the Danube.

> and the higher than average proportion of elderly peo- eas towards the urban periphery 10 ple (21.1%) are particularly striking . The age structure of the inner residential zone is more favourable, as shown by the high proportion of young people aged 15-39 (42.3%). The age structure of the villa quarter of the City Centre and lowest in the zone of detached Buda is quite specific: a higher than average propor-houses 11. The proportion of households with four tion of children (14.4%) is coupled with a high pro- or more people exhibits a reverse spatial distribution. portion of elderly people (24.2%). As a result, however, Thus, the proportion of this type of household is lowthe proportion of people of working age is relatively est in the inner residential zone and in the City Centre low. The number of people living in the outer apart- and highest in the zone of detached houses ment zone is practically the same as in the City Centre, but the age structure of the population is more favour- Ethnicity, religion able here, given the higher proportion of children. There are significant obstacles to studying ethnicity (12.1%) and the lower proportion of elderly people and religious affiliation. The first difficulty is that the (19.1%). The most youthful age structure could be ob- available data stem from censuses carried out only served in the rust belt. More than 13% of the nearly every ten years. A greater problem is that ethnic and 120 thousand inhabitants were children in 2011, at religious ties constitute sensitive personal information which time the proportion of elderly people was just that citizens are not obliged to declare. Consequently, 12.5%, by far the lowest of all zones. Uniquely among there were a significant number of no responses in the the zones of Budapest, the ageing index here is below 100. A large part of the residents of the city live in the housing estates (30,3%), where the age distribution is closest to the average in Budapest. This indicates that There is good reason to assume that the actual numthe housing estates, once you also experiencing ageing po

	Age 6-10	96.15-28	D-13-15	Q# 65-T4	1-11-19	York	Age 9-14	E-11-0	49-11-14	Quita-TA	498.75-x	Total
		•	Num	bir				-	Propor	tion 5		=
1	5,610	33,558	24,795	7,991	9,049	81,002	6.9	414	30.4	9.9	11.2	100.0
	24,789	112,693	76,743	24,210	25,976	266,411	9.3	423	29.5	9.1	9.8	100.0
Ī	9,856	32,819	23,466	7,781	7,877	81,790	12.1	40.1	28.7	9.5	9.6	100.0
	23,383	50,586	49,033	21,581	17,682	162,225	14.4	31.2	30,2	13.3	10.9	100.0
è	15,561	53,183	35,386	8.137	6.814	119,081	13.1	44.7	29.7	6.8	5.7	100.0
	60,240	194,960	170,146	55,944	41,763	523,053	11.5	37.3	32.5	10.7	8.0	100.0
	71,218	163,142	169,895	52,971	36,493	493,719	14.4	33.1	34.4	10.7	74	100.0
	210,637	840,021	301,464	176,015	145,653	1.727,210	122	37.1	21.0	70.4	20	100.0
-	LAKE WELL	T 400 000	3.409.000	940 915	799 966	9.937.628	14.0	343	34.3	9.5	73	1100.0

behind the housing estates (28,6%). Its age structure, however, is somewhat more favourable, mainly due

The extremely high proportion of single-person bourhoods with more youthful populations in 2011 households in Budapest is astonishing: 41% in 2011, could be found in two belts: one lay along the axis of compared to only 29% on average in other urban areas Bêkâsmegyer-Pestszentimre and the other in the cen- in Hungary. In 2011, 61.5% of single-person households were women, while 44% of single-person house-The age structure of the population of Budapest can holds were people over the age of 60. However, if the also be analysed according to the housing conditions established trend continues, the proportion of young and living environments. In the age composition of adults living alone (singles) will continue to increase the City Centre, which has fewer than 80 thousand in- in the future. The proportion of single-person househabitants, the very small proportion of children (6.9%) holds exhibited a general decrease from the inner ar-

> An overview of household size in the various zones reveals that the proportion of single-person house holds was highest in the inner residential zone and

census in 2011

In 2011, more than 20 thousand people in Budapest, or 1.2% of the city population, self-identified as Roma. Roma is much greater, but in terms of their spa stribution, only the census data could be relied Based on such data, the majority of Roma peo we on the Pest side, while on the Buda side their ser and share is small. On the left book of the Dan



status (District 100)

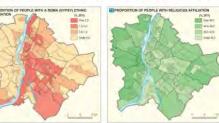
	All innountries	Shigli-person Acqueropes	Halassinder with Test or (now people	Number of house hords whose the hose of the house feeld is sentitional	Shagle-pairs on hourkenoaks	Honesholds with four drimon poops	Number of house- holds where the head of the House healt is smithfund.
			Number	1		Proportion 1	
City Centre	45,531	22,773	2,674	25,087	50.0	5.9	55.1
Inner residential zone	145,275	75.430	11,100	82,356	51.9	7.6	86.7
Outer apartment zone	40,354	18.912	3,805	23,353	46.9	9.4	57.9
Villa quarter in Buda	74,875	29,777	10.453	42,218	39.8	14.0	50.4
Industrial transitional zone	55,338	25,135	6,460	34,800	45.4	11.7	62.0
Housing estates	253,088	102.728	29.376	140,731	40.6	11.6	55.6
Zone of detached houses	205,247	64,360	41,343	114,617	31.4	20.1	55.8
Bodeposi in total	819,700	111.05	305.225	462,168	45.4	12.6	56.5
Hungary in total	4.105.708	1.317.138	105,221	2,102,512	32.1	19.4	51.2

ube (the Pest side), they are overrepresented in neigh- has been improving for a long time, but the real break bourhoods lying in the inner residential area beyond the Nagykörüt, especially in the impoverished districts of Terezváros, Józsefváros and Ferencyáros, The Roma population share is also higher in Caepel in the city's rust belt and in certain areas of Köbánya, Angyalföld and Üpest [1]

In total, less than 750 thousand of the approximately 1.73 million inhabitants of Budapest can be considered religious because they declared ties to a specific religious denomination. Although there are differences in the spatial distribution, these are not large. Indeed, the difference between the smallest and the highest values is not even double <a>B Pest and Buda differ in this field too: the proportion of the religious population is noticeably higher in the latter.

Level of education, employment

The level of education of the population in Budapest





this category is limited to small areas in Pest 11. degree increased from 23.8% to 34.1% between 2001 and 2011. This spectacular improvement, however, did

through occurred in the group of higher education graduates. In 1960, only 6.8% of people aged 25 years or older had a higher education degree. The share was 19% in 1990 and 34.1% in 2011. In terms of the spatial differences in the proportion of those with higher education degrees, the difference between the Pest and the Buda sides is the most striking; the proportion of the villa quarter in Buda, where the corresponding the population with a higher education degree is much greater than the average in broad areas of Buda, while

not result in a noticeable change in the spatial distrier education degree increased more in districts on the tiguous areas, but rather appeared in a mosaic pattern,

over the age of 18 in Budapest have a school-leaving certificate. In this respect, the share in the villa quarte The proportion of people with a higher education in Buda is particularly high (88.4%), while the other extreme was represented by the city's outer zones (industrial transition zone, housing estates, areas with detached houses). In terms of the proportion of people bution, although the proportion of people with a high- with a higher education degree, the villa quarter in Buda was again at the front, where more than 60% of Pest side 18 However, this did not affect major con- the population aged 25 years or older had a higher education qualification. Even the City Centre (42.4%)





associated mostly with newly built residential areas (e.g.

The level of education of the population can be expressed by the number of school grades successfully completed. This is an important indicator, especially for the working-age population, as it indicates the 'utility' of this population in the labour market. Budapest is above the national average in this respect as well: the indicator was 12.2 in 2001 and 13.3 in 2011. This means nothing less than that the average working-age person in Budapest had completed the grades necessary for the school-leaving examination. However, there are significant spatial differences behind the impressive overall average in the city, with differences of up to two or three grades between the villa quarter in Buda

and some districts in South Pest M. Since the value

of the education indicator in question is most influ-

enced by the proportion of people with a higher edu-

cation degree, the spatial distribution of the two indi-

There are also significant differences in the education

level of the population among the seven zones of Bu-

dapest 11. The highest proportion of those completing

no more than eight grades of school is 17.4%, with the

higher values being mainly in the housing estates and

in the rust belt. The opposite extreme is represented by

proportion is only 8%. As many as 70% of residents

The activity rate indicates the combined share of

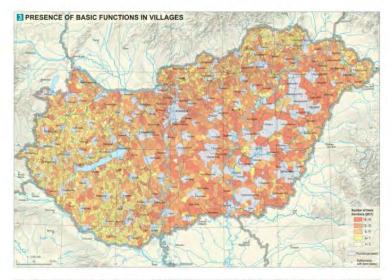
residential parks)

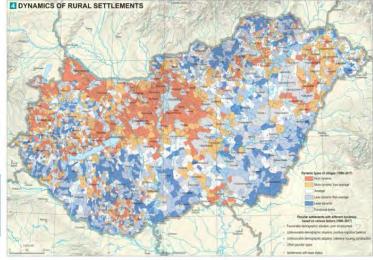
cators is onite similar.

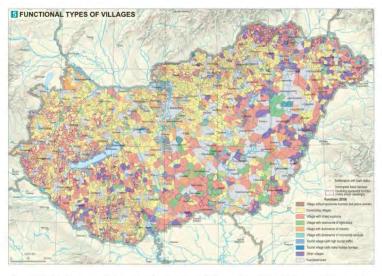
in almost all districts. In some cases, however, activity decreased, mainly due to the ageing of the population

130 Successy - Anadopest met its region

XI. RURAL AREAS







villages are still dwellings. However, many of the houses in some villages serve a holiday function. There are about 180 such villages in Hungary, and in most cases holiday homes were built for this purpose. Most such villages lie in tourist areas (Lake Balaton, Lake Velence, Villages where a large number of industrial workers hanced tourism functions is found in the vicinity of the spa resorts, the Danube Bend, Dunapataj, Kunfehértő, Lakitelek, Orfű and Várgesztes). In other cases, buildings that were originally designed as dwellings in depopulated villages (numerous tiny villages in the Balaton Uplands) have changed their function. The residential function appears to be partially lost in other villages as well, but in such cases many dwellings have been left empty, often to decay. In around 500 villages the proportion of empty houses is very high, mostly in areas with tiny villages (in Northern Hungary, in Western and Southern Transdanubia). About 90% of settlements with a large number of empty dwellings are tiny villages, as well as tourist places (e.g. Gyenesdiás, Csopak, Zamárdi, Cserkeszőlő, Erdőbenye) and settlements with tanyas in the Alföld (e.g. Balástya, Zákányszék, Ruzsa, Petőfiszállás).

The greatest changes have occurred in the economic functions of villages in recent decades. In three-quarters of the villages in Hungary, most people of working age work in other settlements. These villages can be considered commuting villages. This is now the most characteristic type everywhere except in the Alföld and some peripheral areas in northeastern Hungary. In around half of the villages, commuting appears only on its own; in others it is mixed with another function. Today, only 45% of villages have significant economic activity, in many cases mixed with a high degree of commuting. Agriculture, the most traditional village economic function, is characteristic in only | | Many livelihoods depend on tourism in the small North about 140 villages (less than 5% of all villages), but it Hungarian willage of Holdist o World Heatings Site Disgred Countyl villages 🔝 Lying at an elevation of 240 – 350 metres,

the Alfold and Southern Transdambia. The number of with major tourism functions is about 125. However, industrial villages is 150; in such villages there is a large in only 25 of them is tourism the sole economic funcfactory or plant that defines the local labour market. tion. The largest concentration of villages with enlive but do not work locally cannot be regarded as Lake Balaton, but many of them are settlements with industrial. The industrial function is exclusive in only spas, small villages in the mountains and hills T, and about a third of industrial villages, while in the oth- even villages with no significant local attractions where ers it is mixed. The industrial villages form a diverse the tourism function is limited to the provision of acgroup, including traditional heavy industrial or min-commodation (Irota, Patca, Bikács and Gosztola). ing settlements (Sajóbábony, Bükkábrány, Visonta, Almasfüzitő, Pétfürdő, Nagylengyel), food industrial set- vide a significant amount of local employment, but tiements (Ersekhalma, Alsómocsolád, Bôcs), some vil- with none of the sectors standing out. Around half of lages that became sites of industry after the collapse them are characterised by out-commuting. In contrast, of communism (Mosonszolnok, Lövő, Lukácsháza) there are 175 villages, mostly in northeastern Hungary, and settlements with great wineries (Villany).

There are only 60 villages where non-tourist services are decisive. Border crossing points (Záhony, Tisza- jobs. Finally, there are almost 100, mostly tiny, villages becs, Nagylak), commercial-logistical centres (Vecsés, with hardly any (non-public) employees and no jobs. Biatorbágy, Törökbalint, Alsónémedi), small settle- These villages lost their economic functions in all areas;



is the exclusive function in only 60 of them, mostly in dos) are included in this group. The number of villages

About 700 villages, most of them in the Alföld, prowhere there is enough local labour but without significant out-commuting or a sufficient number of local ments with healthcare facilities (Helesfa, Zsira, Mos- they have become almost entirely inactive. Such villages occur in greatest numbers in the counties of Borsod-Abaŭj-Zemplén, Baranya and Somogy, with the highest concentrations in the Cserehar region. Except for some extremely ageing tiny villages, all these villages have a high proportion of Roma inhabitants.

Service provision in areas with tiny villages the districts of Lenti and Letenye

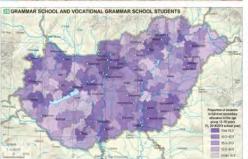
Two districts in Zala County near the border, the districts of Letenye and Lenti, are presented as examples of the presence - and absence! - of basic services and facilities in settlements in areas with tiny and small

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poles with the Valley of Arts, Tornabarakony with its folk art festival). Here, there is an ambivalent effect on local quality of life: on the one hand, the cultural events have a positive impact on the local economy; on the other hand, increasing attendance rates can have negative social and environmental impacts, which may impair quality of life. A consistently high level of culture consumption s most evident in Hungary's major cities 5. Here,

such consumption may again be associated with the level of education, a higher proportion of people of high social status and a broader range of events. The well-known tourist destinations (e.g. Öriszentnéter Bük and Hollókő), the centres of wine regions e.g. Tokaj and Neszmely) and the shores of Lake Balaton likewise have outstanding values. Culture consumption is also a feature of those regions that have sizeable ethnic minority populations. This applies in particular to the ethnic German regions in the counties of Baranya and Tolna (e.g. Pécsvárad, Ófalu and Óbánya).



Our digital world - access, use and well-being

The digital world is of growing importance in the 21st century. Access to ICT networks and to the necessary devices is an increasingly important aspect of an individual's quality of life. Moreover, people need to be equipped to use such devices and pay for them (digital well-being). Many claim that humanity has entered the era of the 'information society, in which the most important resource is the ever broadening range of systematisable and analvsable information 6

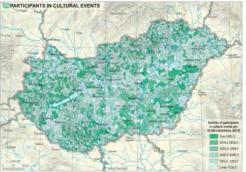
Internet access of sufficient quality and the existence of services linked to it are becoming a basic need in the European Union. Nevertheless, service roviders are not in a position to provide everyone with high-quality internet access, and this is true both in Hungary and in the rest of the European Union. Network coverage is not yet complete, and replacing older technologies is time consuming and capital intensive. However, a universal aim in the European Union is to ensure that everyone has access to a network connection guaranteeing download speeds of at least 30 megabits per second (Mbps) and to provide a network connection of at least 100 Mbps to at least 50% of subscribers. In Hungary, nearly 75% of subscribers had an internet connec tion guaranteeing download speeds of at least 30 Mbps in spring 2020. The average speed of the internet in Hungary is also high in a global compariguage knowledge in Hungary is closely related to tion in cultural events 300 128. Settlements with the could be used in the first place and there was no need education, settlement size and access to education-highest level of culture consumption tend to have to accommodate or eliminate an outdated network.



also stands out. These areas are closely followed by the regional centres and the language teaching centres The spatial structure of foreign lan-measured by examining and quantifying participa-rivals, whereby in Hungary modern technology al infrastructure 311 3.2 15

Literacy is also linked to the barely definable consmall populations and to host major festivals (e.g. Ka-

The existence of a network, however, does not nec-



DWELLINGS CONNECTED TO THE CABLE TELEVISION NETWORK

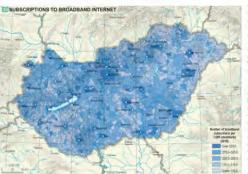


essarily mean usage, as this will depend on a number of social factors. According to surveys, people in their late 60s have fewer digital skills in Hungary: still, more than half of them can be considered regular internet users, but in the case of those in their 70s, this is less than 25-30%. Even in the most advanced and active societies, a small percentage of people - the so-called 'digital illiterates' - remain. Such people are unable or unwilling to use any information communication tools or channels. They leave no digital footprint (all the data generated by the online activities of users). Failing to acquire at least basic user skills at the right age VISA VISA is mainly related to the family background (1835) and the impact of the school system. Furthermore, financial reasons VLTAIS VLTAIS may also mean that the acquired skills were not practiced because the right tools could not be purchased. Such people can only find employment in an ever-shrinking part of the labour market and get mostly low-pres-

At the beginning of the digital age (1990s), most users in Hungary were men, but by the first decade of the 2000s the differences between the two sexes in this field had disappeared. However, education remains a dividing line: those who are considered functionally illiterate (a fifth to a sixth of each age group) can only use digital tools at a basic level; this group takes advantage of only a few of the services available. The relationship between income level and digital activity is similar with an only 70% of the lowest income decile (the poorest one million people) are considered digitally active, compared with at least 90% of the decile above.

Digital activity and provision in Budgmest and its surroundings stands out in most indicators; it is 1.5 times the national average. Outside Budapest, differences between the country's various regions are moderate, especially compared to other social and economic indicators. Differences are greater in the settlement hierarchy, especially when a comparison is made between Budapest and small villages, with the differences being three- to fivefold in some cases. The relationship between knowledge of English and the level of digital activity is clear some and

Broadly, the same spatial structure is shown by the proportion of broadband subscribers and dwellings connected to the cable television network [111 1515] XII 1.16. Regional differences in the development of landline and mobile networks and in the use of devices have decreased considerably. This is important because reliable, fast internet access can make many tasks in life easier (e.g. purchases and the payment of bills and taxes). The Covid-19 pandemic in 2020 and 2021 has brought about significant changes in digital everyday life (e.g. working from home, online education, watching movies, listening to music and ordering food), and most of these changes may become a permanent part of our lives.



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NATIONAL ATLAS OF HUNGARY

