

# CONTENTS

<b>Foreword</b>	7
<b>1. POPULATION CHANGE AND DISTRIBUTION IN SLOVAKIA</b>	9
1.1 Population change in Slovakia	9
1.1.1 1869 – 1921 period	10
1.1.2 1921 – 1950 period	11
1.1.3 1950 – 1991 period	11
1.1.4 The period after 1991	12
1.1.5 International comparisons of the population change in Slovakia	12
1.2 Spatial differentiation of population in Slovakia	13
1.2.1 Spatial differentiation of population in regions according to the socio-political phasing in 1869 – 2001	13
1.2.2 Development of spatial concentration of population in regions of Slovakia	17
1.2.3 Development of population density in regions of Slovakia	19
1.2.4 Development and spatial differentiation of population in communes of Slovakia	20
1.2.5 Spatial differentiation of the rural population	21
1.3 Geographic factors influencing the spatial differentiation of population in regions of Slovakia	23
1.3.1 Distribution of population in Slovakia with regard to transport networks	24
1.3.1.1 Population distribution with regard to railway	24
1.3.1.2 Population distribution in relation to the networks of long distance passenger transport	25
<b>2. NATURAL CHANGE OF POPULATION IN SLOVAKIA</b>	28
2.1 Introduction	28
2.2 Temporal differentiation of the natural population change	28
2.2.1 Theoretical frame for interpretation of the natural population change	29
2.2.1.1 Balance	29
2.2.1.2 Classical theory of demographic transition	29
2.2.1.3 Period of the decreasing natality	30
2.2.1.4 Final phases of the demographic transition	30
2.2.1.5 Second demographic revolution	31
2.2.1.6 Steps of the second demographic revolution	32
2.2.1.7 Change of values	32
2.2.1.8 Ideological consequences	33
2.2.1.9 Additional social consequences and implications	34
2.2.2 Long-term development of the natural change of population in Slovakia	34
2.2.2.1 Natality	34
2.2.2.2 Abortion	37
2.2.2.3 Mortality	39
2.2.2.4 Nuptiality	41
2.2.2.5 Divorce	43
2.2.2.6 Natural increase	46
2.2.3 Spatial differentiation of the natural population change	46
2.2.3.1 Partial analyses of spatial differentiation in the natural population change in Slovakia	47
2.2.3.2.1 Natality	47
2.2.3.2.2 Abortion	49
2.2.3.2.3 Mortality	52
2.2.3.2.4 Nuptiality	53
2.2.3.2.5 Divorce	56
2.2.3.2.6 Natural increase	58
2.2.3.2 Synthesised assessment of spatial differentiation of natural population change in Slovakia	60
2.2.4 Factors of the natural population change	63
2.2.4.1 Theoretical conception of factors determining the natural population change	63
2.2.4.2 Selected factors of the natural population change in Slovakia	64
2.2.4.2.1 Factors of the natural population change in Slovakia in the light of selective inquiries	64
2.2.4.2.2 Factors of the natural population change in Slovakia in the context of the regular statistical filing	66

<b>3. SPATIAL MOBILITY OF POPULATION . . . . .</b>	71
3.1 Introduction . . . . .	71
3.2 International migration . . . . .	72
3.2.1 Migration in the world and in Europe . . . . .	72
3.2.2 The present situation and trends of the international migration in the Slovak Republic . . . . .	73
3.3 Internal migration in Slovakia . . . . .	76
3.3.1 Development and basic characteristics of internal migration . . . . .	76
3.3.2 Migration at the level of districts and communes . . . . .	77
3.3.3 Migration relationships of the largest cities and their hinterlands . . . . .	79
3.3.4 Migration efficiency . . . . .	79
3.3.5 Migration between functional urban regions . . . . .	80
3.3.6 Basic characteristics of interregional migration . . . . .	81
3.3.7 Major migration flows between functional urban regions . . . . .	82
3.3.8 Regional differences in net migration . . . . .	83
3.4 Commuting to work . . . . .	84
3.4.1 Definition of commuting to work and character of accessible statistical data . . . . .	84
3.4.2 Changes in commuting, 1991 – 2001 . . . . .	84
3.4.3 Commuting from the point of view of the “spatial labour division” concept . . . . .	85
3.5 Spatial population mobility and time-geography . . . . .	86
3.5.1 Time, space, everyday activities and time-geography . . . . .	86
3.5.2 Transformation of the everyday life and time-space images of human activities . . . . .	87
<b>4. POPULATION STRUCTURES . . . . .</b>	89
4.1 Population structure according to sex and age . . . . .	89
4.1.1 Population structure according to sex . . . . .	89
4.1.2 Population structure according to age . . . . .	93
4.1.3 Process of population ageing . . . . .	94
4.1.3.1 Inter-temporal analysis of populations ageing . . . . .	95
4.1.3.2 Inter-regional analysis of population ageing . . . . .	99
4.2 Ethnic structure of the population . . . . .	101
4.2.1 Ethnic structure development . . . . .	101
4.2.1.1 The period before the First World War (since 1980) . . . . .	102
4.2.1.2 War and interwar period . . . . .	102
4.2.1.3 The period after the Second World War (to 1989) . . . . .	103
4.2.1.4 The period after 1989 . . . . .	104
4.2.2 Spatial differentiation of the population according to the ethnic structure . . . . .	105
4.3 Religious structure of population . . . . .	107
4.3.1 Development of the religious structure . . . . .	107
4.3.1.1 Period before the First World War (since 1880) . . . . .	107
4.3.1.2 War and interwar period . . . . .	108
4.3.1.3 The period after the Second World War (to 1989) . . . . .	109
4.3.1.4 The period after 1989 . . . . .	109
4.3.2 Spatial differentiation of population according to the religious structure . . . . .	110
4.4 The educational structure of population . . . . .	113
4.4.1 Development of the educational structure . . . . .	113
4.4.1.1 The period before the First World War (since 1880) . . . . .	113
4.4.1.2 War and interwar periods . . . . .	115
4.4.1.3 The period after the Second World War (to 1989) . . . . .	115
4.4.1.4 The period after 1989 . . . . .	116
4.4.2 Spatial differentiation of population according to the educational structure . . . . .	117
<b>5. HOUSING . . . . .</b>	120
5.1 Houses . . . . .	122
5.2 Flats . . . . .	125
5.3 Census households . . . . .	131
5.3.1 Census households according to their types . . . . .	131
5.3.2 Census households classified according to the number of members . . . . .	137
<b>6. POPULATION SYNTHESES . . . . .</b>	141
6.1 Total population change . . . . .	141
6.2 Typology of districts and communes according to the method of J. Webb . . . . .	142
6.3 Demographic regionalization of Slovakia . . . . .	144
6.4 Population reproduction . . . . .	146
6.5 Quality of life and the environment . . . . .	146
6.5.1 Indicators and dimensions of quality of life and the method of processing . . . . .	146
6.5.2 Regional differentiation of the quality of life in the SR . . . . .	147

6.5.2.1 Demographic dimension . . . . .	147
6.5.2.2 Education-informational dimension . . . . .	147
6.5.2.3 Security dimension . . . . .	147
6.5.2.4 Dimension of the material comfort and social security . . . . .	147
6.5.2.5 Appliances in flats dimension . . . . .	148
6.5.2.6 Environmental dimension . . . . .	148
6.5.3 Value of the aggregated quality of life index . . . . .	148
6.6 Life expectancy (LE) . . . . .	149
6.7 Socio-pathologic phenomena . . . . .	150
6.7.1 Development of socio-pathologic phenomena in Slovakia after 1989 . . . . .	151
6.7.2 Crime . . . . .	151
6.7.3 Drug addiction . . . . .	152
6.7.4 Poverty . . . . .	153
6.8 Health of population . . . . .	153
6.8.1 Theoretical aspects of population's health and health condition . . . . .	153
6.8.2 Population's health condition – position of Slovakia in Europe . . . . .	154
6.8.2.1 Demographic assumptions . . . . .	154
6.8.2.2 Mortality . . . . .	154
6.8.2.3 Morbidity . . . . .	155
6.8.3 Health determinants . . . . .	155
6.8.3.1 Lifestyle and diet . . . . .	156
6.8.3.2 Education and employment . . . . .	156
6.8.3.3 Health care . . . . .	156
<b>7. POPULATION FORECAST</b> . . . . .	157
7.1 Population forecast in districts of the SR until 2025 . . . . .	157
7.2 Forecast assumptions . . . . .	158
7.2.1 Fertility . . . . .	158
7.2.2 Mortality . . . . .	158
7.2.3 Migration . . . . .	159
7.3 Scenarios of the expected population development in Slovakia . . . . .	159
7.4 Results of the forecast . . . . .	159
7.4.1 Expected number and increase of population . . . . .	160
7.4.2 Expected development of the age structure . . . . .	162
7.4.3 Expected development of the economic burden . . . . .	165
7.5 Conclusion . . . . .	165
<b>Terminological dictionary</b> . . . . .	166
<b>References and sources</b> . . . . .	180

We publications are also characterized by certain autonomy, which manifests in some information only contained in one of them.

In an effort to facilitate communication of knowledge inherent to the cartographic form to foreign readers, the Atlas has been prepared in two languages – the Slovak and the English. Identical intention has been also materialized in the preparation of the *Analysis* in both languages.

An extensive bibliography and the used statistical sources are part of the *Analysis*. Among the cited sources it also contains a set of literature on population phenomena and processes in Slovakia. The intention was to offer such a set of sources for professionals, researchers, teachers and students.

Prof. Dr. Jozef Miadek, Dr.Sc.  
The Head of the Research and Development Team  
Chairman of the Editorial and Executive Boards  
of the Population Atlas of Slovakia,  
Comenius University, Faculty of Natural Sciences  
Bratislava