Appendix A. Specification of used data and legend of all used spatial layers

No.	Abbrev.	Data layer
1	**01_INCL**	Slope inclination
2	**02_REL**	Morphological-positional type of relief
3	**03_HGREG**	Hydrogeological regionalization
4	**04_TEMP**	Average lenght of vegetation season
5	**05_RAIN**	Rainfall intensity (max. 24 hour totals)
6	**06_MOIST**	Moisture balance indicator
7	**07_RAD**	Average annual amount of solar radiation
8	**08_CLIM**	Classification of climate
9	**09_BASIN**	Hydrological basins (watersheds)
10	**10_WATBOD**	Watercourses and water bodies
11	**11_WATRES1**	Drinking groundwater resources
12	**12_WATRES2**	Drinking groundwater protection zones
13	**13_DRINK1**	Surface drinking water sources
14	**14_DRINK2**	Surface drinking water basins
15	**15_MEDIC**	Natural medicinal resources protection zones
16	**16_WATPROT**	Protected water management areas
17	**17_GRWAT**	Average groundwater depth
18	**18_SSUB**	Soil subtype
19	**19_STEX**	Soil texture
20	**20_SDEP**	Soil depth
21	**21_LAND**	Current landscape structure / land use
22	**22_DIVER**	Spatial diversity of landscape structure
23	**23_FOR1**	Classification of forests
24	**24_FOR2**	Forest functional categories
25	**25_FORAGE**	Forest age
26	**26_ECOSYS**	Significant ecosystems (habitats)
27	**27_NATUR**	The naturallness of ecosystems
28	**28_STATE**	State of ecosystems
29	**29_NATPR**	Categorization of protected areas
30	**30_SIGNIF**	Natural conservation significance of a territory
31	**31_LEAF**	Leaf area index (LAI)
32	**32_FAPAR**	Photosynthetically active radiation (FAPAR)
33	**33_NDVI**	Normalized difference vegetation index (NDVI)
34	**34_THERM**	Landscape potential for geothermal energy
35	**35_HUNT**	Fishing and hunting areas
36	**36_HIST**	Areas of traditional (historical) land use
37	**37_GEOL**	Significant geological and geomorphological sites
38	**38_PARKS**	Historical parks and gardens
39	**39_ATRAC**	Cultural and historical attractions and monuments
40	**40_RECR**	Recreation and tourism objects

01_INCL	Slope inclination
Data source	Database of Constantine the Philosopher University (primary source – Digital elevation model)
Data accuracy	1:25,000
Units	Degrees
Min / Max *	0 / 42.773
Legend	Individual values of slope inclination for all pixels, based on digital elevation model.

02_REL	Morphological-positional type of relief
Data source	Database of Institute of Landscape Ecology SAS
Data accuracy	1:25,000
Units	Qualitative categories – types of relief
Min / Max *	36 categories (1-36)
Legend	Categories of relief types: 1. Flat peak 2. Peak platform 3. Cone peak 4. Ridge 5. U-valley (as a whole) 6. U-valley bottom 7. River valley bottom 8. River valley (as a whole) 9. Slope – transport part 10. Slope platform 11. Accumulation plain 12. Undulated plain (sand dune) 13. River terrace 14. Gully 15. Rock cliff 16. Strongly undulated slope 17. Dissected slope with gullies 18. Wide river floodplain 19. Narrow river floodplain 20. Alluvial cone 21. Karst sinkhole 22. River deadarm 23. River bed recessed 24. Foothill slope 25. Significant floodplain elevation 26. Bottom of waterlogged depression 27. Saddle 28. Landslide 29. Terraced slope 30. Bottom of water body 31. Anthropogenic form of relief 32. Debris falls and rock- surface 33. Glacial valley-end 34. Glacial troge 35. Glacial morraine 36. Mountain peak

03_HGREG	Hydrogeological regionalization
Data source	Database of Institute of Landscape Ecology SAS
Data accuracy	1:50,000
Units	Qualitative categories – based on productivity of grounwater levels
Min / Max *	7 categories

Legend	Categories of hydro-geological regions of Slovakia, based on the average usable resources of groundwater: 1 – very low (to 0.2 l/sec/km^2) 2 – low (0.2-0.5) 3 – relatively low (0.5-1) 4 – average (1-2) 5 – above average (2-5) 6 – high (5-10) 8 – very high (over 10 l/sec/km^2)

04_TEMP	Average lenght of vegetation season
Data source	Slovak Hydrometeorological Institute – Climate Atlas of Slovakia
Data accuracy	1:50,000
Units	Days annualy
Min / Max *	- 15.3 / 193.9
Legend	Average lenght of vegetation season (number of days with the average temperature over 10 ^{o}C) Individual values for all pixels based on Climate Atlas spatial layers.

05_RAIN	Rainfall intensity (max. 24 hour totals)
Data source	Slovak Hydrometeorological Institute – Climate Atlas of Slovakia
Data accuracy	1:50,000
Units	Millimeters per day
Min / Max *	53.3 / 135.0
Legend	Average of maximum precipitation ammount per day Individual values for all pixels based on Climate Atlas spatial layers

06_MOIST	Moisture balance indicator
Data source	Slovak Hydrometeorological Institute – Climate Atlas of Slovakia
Data accuracy	1:50,000
Units	Millimeters (annual)
Min / Max *	-1753 / 230
Legend	Average annual moisture balance (evapotranspiration minus precipitation) Individual values for all pixels based on Climate Atlas spatial layers

07_RAD	Average annual amount of solar radiation
Data source	Slovak Hydrometeorological Institute – Climate Atlas of Slovakia
Data accuracy	1:50,000
Units	Wh.m^{-2} (annual)
Min / Max *	3616 / 4342
Legend	Average annual amount of radiation Individual values for all pixels based on Climate Atlas spatial layers

08_CLIM	Classification of climate
Data source	Slovak Hydrometeorological Institute – Climate Atlas of Slovakia
Data accuracy	1:50,000
Units	Qualitative categories
Min / Max *	19 categories of climate types
Legend	Main types of climate: 3 – moderately cool climate (C1) 4 – cold mountain climate (C2) 5 – very cold mountain climate (C3) 6 – warm, very dry, mild winter (T1) 7 – warm, dry, mild winter (T2) 8 – warm, dry, cool winter (T3) 9 – warm, moderately dry, mild winter (T4) 10 – warm, moderately dry, cool winter (T5) 11 – warm, moderately wet, mild winter (T6) 12 – warm, moderately wet, cool winter (T7) 13 – warm, wet, mild winter (T8) 14 – warm, wet, cool winter (T9) 15 – moderately warm, moderately wet, mild winter, uphill climate (M1) 16 – moderately warm, moderately wet, cool winter, valley climate (M2) 17 - moderately warm, moderately wet, uphill-mountain climate (M3) 18 - moderately warm, wet, mild climate, uphill-lowland climate (M4) 19 - moderately warm, wet, cool to cold winter, valley climate (M5) 20 - moderately warm, wet, mountain climate (M6) 21 - moderately warm, very wet, mountain climate (M7)

09_BASIN	Hydrological basins (watersheds)
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	Area – ha; other spatial indicators
Min / Max *	--- (Individual elements)
Legend	Individual regions, representing the main spatial units for the water flows and other hydrological and geomorphological processes (... units in Slovakia). *Main information used for ES calculaton:* - mean slope inclination (0.33 / 33.1 degrees) - dissection of the basin – ratio of „real surface area" to the area of basin on the map (1.0 / 1.34) *Other information for all river basins:* - area, perimeter - min., max. and mean elevation - lenght and density of stream network.

Map layer 10	Watercourses and water bodies
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend **Vodné nádrže a toky**	Individual features representing watercourses and water bodies (derived from the WM map), both with buffer 50 m.

10_WATBOD	**Drinking groundwater resources**
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend	Individual features representing used groundwater resources (wells, drills) derived from the WM map - both with buffer 100 m. 0 – absence 1 – presence

12_WATRES2	**Drinking groundwater protection zones**
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	Qualitative scale
Min / Max *	3 categories of protection
Legend	Individual features representing protection zones of groundwater resources: 0 – no protection zones 1 – outer protection zones 2 – inner protection zones

13_DRINK1	**Surface drinking water sources**
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend	Individual features representing used surface water resources (reservoirs, streams) derived from the WM map - both with buffer 50 m. 0 – absence 1 – presence

14_DRINK2	**Surface drinking water basins**
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend	Individual features representing basins of surface water resources (reservoirs, streams) derived from the WM map. 0 – absence 1 – presence

15_MEDIC	**Natural medicinal resources protection zones**
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	Qualitative scale
Min / Max *	3 categories of protection
Legend	Individual features representing protection zones of natural medicinal resources derived from the WM map. 0 – no protection zones 1 – outer protection zones 2 – inner protection zones

16_WATPROT	Protected water management areas
Data source	Water Management Map of Slovakia (Slovak Water Management Agency)
Data accuracy	1:50,000
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend	Individual features representing special category of water protection – large-scale water protection areas; derived from the WM map. 0 – absence 1 – presence

	Average groundwater depth
Data source	Database of Institute of Landscape Ecology SAS
Data accuracy	1:25,000
Units	meters below surface
Min / Max *	0.0 / 626
Legend	Average depth of grounwater level Derived from database of detailed landscape-ecological units of Slovakia.

18_SSUB	Soil subtype
Data source	Database of Institute of Landscape Ecology SAS; Soil Research Institute; National Forestry Centre.
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	75 categories of soil spatial units – soil subtypes)
Legend	Types of soil units (FAO classification: World Reference Base 1994): 1. Lithic Leptosols 2. Regosols 3. Psefytic Regosols 4. Arenic Regosols 5. Pelic Regosols 6. Skeletic Leptosols 7. Cambi- Leptosols 8. Tephri- Leptosols 9. Skeli- dystric Leptosols 10. Renzic Leptosols 11. Renzic Leptosols (skeletic) 12. Renzic Leptosols (cambic) 13. Foli- rendzic Leptosols 14. Skeli- rendzic Leptosols 15. Chromi- rendzic Leptosols 16. Calcaric Cambisols 17. Calcaric Cambisols (skeletic) 18. Stagni-Calcaric cambisols 19. --- 20. Haplic Vertisols 21. Haplic Chernozems 22. Arenic Chernozems 23. Pelic Chernozems 24. Luvi-Haplic Chernozems 25. --- 26. Haplic Chernozems II. 27. Stagni-Haplic Chernozems 28. Mollic Fluvisols 29. Arenic Fluvisols

	30. Pelic Fluvisols
	31. Mollic Fluvisols II.
	32. Mollic Gleysols
	33. Histi- mollic Gleysols
	34. ---
	35. ---
	36. ---
	37. Haplic Luvisols
	38. Arenic Luvisols
	39. Albi-Haplic Luvisols
	40. Stagni-Haplic Luvisols
	41. Chromic Luvisols
	42. Albic Luvisols
	43. Arenic Luvisols
	44. ---
	45. Stagnic Glossisols
	46. ---
	47. Eutric Modal Cambisols
	48. Psefitic Cambisols
	49. Arenic Cambisols
	50. Pelic Cambisols
	51. Rendzic Cambisols
	52. Eutric Cambisols
	53. Dystric Cambisols
	54. Cambi- Andosols
	55. Luvi- Cambisols
	56. Stagni- Cambisols
	57. Chromic Cambisols
	58. Eutric Andosols
	59. Haplic Podzols
	60. ---
	61. Cambic Podzols
	62. ---
	63. Foli-Haplic Podzols
	64. Dystric Stagnosols
	65. Luvic Stagnosols
	66. Haplic Stagnosols
	67. Gleyic Stagnosols
	68. ---
	69. ---
	70. Haplic Gleysols
	71. Arenic Gleysols
	72. Histi-Mollic Gleysols
	73. Haplic Histosols
	74. ---
	75. Fibric Histosols
	76. Eutric Fluvisols
	77. Psefitic Fluvisols
	78. Arenic Fluvisols
	79. Pelic Fluvisols
	80. Gleyic Fluvisols
	81. ---
	82. ---
	83. ---
	84. Haplic Solonetz
	85. ---
	86. Hortic Anthrosols

	87. Degraded Anthrosols
	88. Urbi-Anthropic Regosols
	89. Degraded Anthropic Regosols
	90. Water
	91. Rocks

19_STEX	Soil texture
Data source	Database of Institute of Landscape Ecology SAS; Soil Research Institute; National Forestry Centre.
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	12 categories of soil texture
Legend	Types of soil texture (USDA classification): 1. sand 2. loamy sand 3. sandy loam 4. loam 5. silt loam 6. silt 7. sandy clay loam 8. clay loam 9. silty clay loam 10. sandy clay 11. silty clay 12. clay

20_SDEP	Soil depth
Data source	Database of Institute of Landscape Ecology SAS; Soil Research Institute; National Forestry Centre.
Data accuracy	1:25,000
Units	centimeters
Min / Max *	0.0 / 112
Legend	Average soil depth Derived from database of detailed landscape-ecological units of Slovakia.

21_LAND	Current landscape structure / land use
Data source	Spatial information system ZB GIS, Open Street Map
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	16 categories of land use (landscape structure)
Legend	Basic types of land use: 1. urban residential area 2. urban fabric – industrial, commercial and transport areas 3. mines and quarries, dump sites, areas under construction 4. urban green areas, sport and leisure areas 5. arable land 6. vineyards, orchards and gardens 7. grasslands (meadows and pastures) 9. deciduous forests 10. mixed forests

	11. coniferous forests
	15. areas with scattered vegetation, landscape mosaics
	16. rocks and screes
	17. wetlands, peatbogs
	18. watercourses and water bodies
	19. woodlands in agricultural areas
	20. non-specified forests (military areas)

22_DIVER	Spatial diversity of landscape structure
Data source	Database of Constantine the Philosopher University
Data accuracy	1:25,000
Units	land use types per km^2
Min / Max *	1 / 13
Legend	Spatial diversity is expressed as a number of different land use types in the area of 1 km^2.

23_FOR1	Classification of forests
Data source	National Forest Centre, State Nature Conservancy of Slovak Republic
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	56 categories of forests
Legend	Forest types (based on real tree composition of forest spatial areas)
	1 – *Robinia* forests
	2 – *Pinus-Picea* forests
	3 – *Pinus* forests
	4 - *Pinus* forests, small proportion of other conifers
	5 - *Pinus* forests, small proportion of deciduos trees
	6 – *Betula* forests
	7 - *Betula* forests, small proportion of conifers
	8 - *Betula* forests, small proportion of other deciduos trees
	9 – *Fagus-Oak* forests
	10 – *Fagus-Carpinus* forests
	11 – *Fagus-Abies-Picea* forests
	12 – *Fagus-Picea* forests
	13 –*Fagus* forests
	14 – *Fagus* forests, small proportion of conifers
	15 – *Fagus* forests, small proportion of other deciduos trees
	16 – *Q. Cerris-Quercus* forests
	17 – *Q. Cerris-Carpinus* forests
	18 – *Q. Cerris* forests
	19 – *Quercus-Fagus-Carpinus* forests
	20 – *Quercus-Fagus-Abies* forests
	21 – *Quercus-Fagus* forests
	22 – *Quercus-Cerris-Carpinus* forests
	23 – *Quercus-Cerris* forests
	24 – *Quercus- Carpinus* forests
	25 – *Quercus* forests
	26 – *Quercus* forests, small proportion of conifers
	27 – *Carpinus-Fagus* forests
	28 – *Carpinus-Cerris* forests
	29 – *Carpinus-Quercus* forests
	30 – *Carpinus* forests
	31 – Other deciduous forests

	32 – *Sorbus auc.* forests
	33 – *Abies-Fagus* forests
	34 – *Abies-Picea* forests
	35 – *Abies* forests
	36 – *Abies* forests, small proportion of other conifers
	37 - *Abies* forests, small proportion of deciduos trees
	38 – *Alnus* forests
	39 - *Dwarf Pine* forests
	40 – *Dwarf Pine* forests, small proportion of other conifers
	41 - *Dwarf Pine* forests, small proportion of deciduos trees
	42 – *Pinus strobus* forests
	43 – Forests with occurence of *Pinus strobus*
	44 – *Populus-Salix* forests
	45 – Initial stage of forests
	46 – *Larix-Picea* forests
	47 – *Larix* forests
	48 – *Larix* forests, small proportion of other conifers
	49 – *Larix* forests, small proportion of deciduos trees
	50 – *Picea-Fagus-Abies* forests
	51 – *Picea-Fagus* forests
	52 – *Picea- Abies* forests
	53 – *Picea* forests
	54 – *Populus* forests
	55 – *Fraxinus-Ulmus* forests
	56 – Mixed *Picea* forests

24_FOR2	**Forest functional categories**
Data source	National Forest Centre, State Nature Conservancy of Slovak Republic
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	13 categories of forest functional classes
Legend	0 –Forests with dominant production function
	1 – Protection forests: Forests on extreme sensitive areas
	2 - Protection forests: High-mountain forests
	3 - Protection forests: Dwarf-pine forests above tree-line
	4 - Protection forests: Forests with erosion-protection function
	5 – Special forests: Water protection forests
	6 – Special forests: Natural healing resources protection forests
	7 – Special forests: Urban forests and recreational forests
	8 – Special forests: Forests in game reserves
	9 – Special forests: Forests in nature protection areas
	10 – Special forests: Gene-pool forests
	11 – Special forests: Research and educational forests
	12 – Special forests: Forests in military areas

25_FORAGE	**Forest age**
Data source	National Forest Centre, State Nature Conservancy of Slovak Republic
Data accuracy	1:25,000
Units	Years
Min / Max *	0 / 225
Legend	Age of forest spatial units
	Derived from information database of Slovak forests

26_ECOSYS	Significant ecosystems (habitats)
Data source	State Nature Conservancy of Slovak Republic
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	62 categories of ecosystem types
Legend	Selected ecosystems (or EUNIS habitats) – based on ecosystem map Černecký et al. 2019: 1 Riparian woodland, with dominant poplar and willow (G1.111) 3 Landscape mosaic with unspecified woods and grasslands 4 Agricultural areas with high share of natural vegetation 6 Water bodies - unspecified 7 Managed grasslands - unspecified 8 Watercourses - unspecified 10 Wetlands - unspecified 13 Orchards - unspecified 16 Urban green areas, parks - unspecified 19 Alpine and sub-mediterranean chasmophyte communities (EUNIS H3.25) 21 Beech and fire forests (EUNIS G1.23) 23 Acid siliceous inland cliffs (EUNIS H3.11) 25 Meso- and eutrophic Oak-Hornbeam forests with lime (EUNIS G1.A16) 26 Medio-European ravine forests (EUNIS G1.A41) 27 Other grasslands - unspecified 28 Subcontinental riverine meadows - Cnidion venosi (EUNIS E3.43) 29 Mixed oak - elm - ash woodland of great rivers (EUNIS G1.22) 30 Orchards - unspecified 32 [Festuca pallens] grassland (EUNIS E1.291) 33 Eastern [Quercus pubescens] woods (EUNIS G1.7374) 34 Sub-Atlantic lowland hay meadows (EUNIS E2.22) 35 Riverine [Fraxinus] - [Alnus] woodland, wet at high but not at low water (EUNIS G1.21) 36 Euro-Siberian rock debris swards - Alysso-Sedion albi (EUNIS E1.11) 37 Arid subcontinental steppic grassland ([Festucion valesiacae]) (EUNIS E1.2211), [Festuca pallens] grassland (E1.2932) 38 Steppe [Quercus] woods (EUNIS G1.7A1) 39 Meso-xerophile subcontinental meadow-steppes ([Cirsio-Brachypodion]) with Orchidaceae (EUNIS E1.231) 40 Perennial calcareous grassland and basic steppes (EUNIS E2.1) 41 Orogenous riverine brush (with Salix elaeagnos) (EUNIS F9.111) 42 Weathered rock and outcrop habitats – pioneer vegetation (EUNIS H3.62) 43 Balkano-Anatolian thermophilous [Quercus] forests – Q. cerris (EUNIS G1.76) 44 Atlantic and sub-Atlantic humid meadows (EUNIS E3.41) 45 Screes – biotopes with sparse vegetation (EUNIS H2) 46 Medio-European acidophilous [Quercus] forests (EUNIS G1.87) 47 Calcareous and ultra-basic screes of warm exposures (EUNIS H2.61) 48 Temperate-montane acid siliceous screes – secondary biotopes (EUNIS H2.32) 49 Medio-European acidophilous [Fagus] forests (EUNIS G1.61) 50 Medio-European subalpine [Fagus] woods (EUNIS G1.65) 51 [Abies] and [Picea] woodland (EUNIS G3.1) 52 Temperate-montane calcareous and ultra-basic screes (EUNIS H2.44) 53 Medio-European limestone [Fagus] forests (EUNIS G1.66) 54 Dry heaths (EUNIS F4.2), Alpigenic high mountain [Empetrum - Vaccinium] heaths (EUNIS F2.24) 56 [Molinia caerulea] meadows and related communities (EUNIS E3.51) 59 Sparsely vegetated river gravel banks (EUNIS C3.55221) 60 Inland cliffs, rock pavements and outcrops (EUNIS H3)

61	Valley mires, poor fens and transition mires (EUNIS D2)
62	Subalpine moist or wet tall-herb and fern stands (EUNIS E5.5)
63	Alpine and Carpathian subalpine [Picea] forests (EUNIS G3.1B)
64	[Phalaris arundinacea] beds (EUNIS C3.26), Beds of large [Carex] spp. (D5.21)
65	Alpic [Nardus stricta] swards and related communities (EUNIS E4.3171), E1.712)
66	Alpic mountain hay meadows (EUNIS E2.31), Subalpine [Trisetum flavescens] hay meadows (E4.51)
75	Broadleaved swamp woodland not on acid peat (EUNIS G1.4)
84	Atlantic [Quercus robur] - [Betula] woods (EUNIS G1.81)
85	Middle European [Pinus sylvestris] forests (EUNIS G3.42)
87	Spring heath [Pinus sylvestris] forests (EUNIS G3.442)
88	Other forested and wooded areas – unspecified
89	Boreo-alpine riparian galleries – Alnus (EUNIS G1.121)
90	Sphagnum [Betula] woods (EUNIS G1.51)
91	Nemoral bog conifer woodland (EUNIS G3.E)
92	Inner range montane [Picea] forests (EUNIS G3.1C)
93	Carpathian [Larix] and [Pinus cembra] forests (EUNIS G3.25)
94	Inland cliffs, rock pavements and outcrops, unspecified (EUNIS H3)

27_NATUR	The naturallness of ecosystems
Data source	UKF
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	12 categories of ecosystem naturalness
Legend	*Categories of naturalness (from artificial to natural), based on comparison of natural vegetation and current landscape structure:* 0 – anthropogenic areas without or very small proportion of vegetation 1 – residential areas with gardens 2 – residential green areas 3 – agricultural areas, without permanent vegetation 4 - agricultural areas, with permanent vegetation (grasslands, orchards, vineyards) 5 – semi-natural grasslands, rocks and screes 6 – plantations of non-domestic forests 7 – forests with non-domestic tree species 8 – forests with unspecified tree species composition 9 – semi-natural forests 10 – natural forests 11 – watercourses and water bodies 12 - wetlands

28_STATE	State of ecosystems
Data source	State Nature Conservancy of Slovak Republic
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	4 categories of ecosystem status
Legend	Ecosystem status (according to IUCN) 1 – ecosystems significantly changed by human activities 2 – favourable state 3 – unfavourable – inadequate state 4 – unfavourable – bad state

29_NATPR	Categorization of protected areas
Data source	State Nature Conservancy of Slovak Republic, European Environmental Agency
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	----- Categories of nature and landscape protection
Legend	Categories of nature and landscape protection: *National system of nature protected areas – 5 degrees of protection:* 1 – basic landscape protection 2 – large scale protection, mostly Landscape protected areas 3 – large scale strickt protection, mostly National parks 4 – strick nature protection, mostly small-scale protected areas 5 – very strick protection (non-intervention areas) *NATURA 2000 sites:* 11 – Habitats Directive Sites 12 – Birds Directive Sites *Other important natural areas*: 21 –Biosphere Reserves M&B 22 – UNESCO Natural Heritage sites 23 – RAMSAR wetlands sites.

30_SIGNIF	Natural conservation significance of a territory
Data source	Constantine the Philosopher University in Nitra, State Nature Conservancy of Slovak Republic
Data accuracy	1:25,000
Units	Qualitative categories
Min / Max *	5 categories of nature conservation significance (1 – 5)
Legend	Nature conservation significance of an area, based on combination of different categories of nature protection areas (NPA): 1 – least significant areas (no special protection) 2 – areas with occurence of 1-2 NPA (based on importance of nature protection) 3 – areas with occurence of 2-3 NPA (based on importance of nature protection) 4 - areas with occurence of 3 NPA (more important categories of nature protection), or within the 5th degree of nature protection 5 – areas with overlap of at least 3 categories of nature protection, within the 5th degree of nature protection.

31_LEAF	Leaf area index (LAI)
Data source	Copernicus Global Land Survey
Data accuracy	1:50,000
Units	Coefficient
Min / Max *	0.018 / 6.592
Legend	Leaf area index - one-sided green leaf area per unit ground surface area in broadleaf canopies. Expressed in m^2/m^2 (leaf area / ground area), usually between 0 and 7.

32_FAPAR	Photosynthetically active radiation (FAPAR)
Data source	Copernicus Global Land Survey
Data accuracy	1:50,000
Units	Coefficient
Min / Max *	0.035 / 0.914
Legend	Fraction of Absorbed Photosynthetically Active Radiation - the light absorption across an integrated plant canopy (dimensionless, from 0 to 1).

33_NDVI	Normalized difference vegetation index (NDVI)
Data source	Copernicus Global Land Survey
Data accuracy	1:50,000
Units	Coefficient
Min / Max *	-0.03 / 0.92
Legend	Normalised difference vegetation index – indice based on spectral reflectance measurements acquired in the red (visible) and near-infrared bands. Dimensionless, from -1 to 1.

34_THERM	Landscape potential for geothermal energy
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	Qualitative categories
Min / Max *	4 categories of ecosystem status
Legend	Potential for geothermal energy – thermal energy of the geothermal waters: 0 – very low (no relevant potential) 1 – low (to 50 ...) 2 – middle (50-250) 3 – high (250+)

35_HUNT	Fishing and hunting areas
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	Qualitative categories
Min / Max *	Categories of significance of an area for fishing and hunting
Legend	Areas significant to the fishing and hunting: *Fishing areas* (yes / no) 0 - absence 2 - presence *Hunting areas* (importance): 1 - low importance 2 - high importance 3 - very high importance

36_HIST	Areas of traditional (historical) land use
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	Qualitative categories
Min / Max *	3 categories of historical land use types
Legend	Areas with present of traditional (historical) land use – old mining areas, areas with dispersed setlements, traditional pasture areas, vineyards and orchard areas, agricultural mosaic-structure landscape 0 – areas without occurence of traditional land use types 1 – occurence of 1 type of traditional land use 2 - occurence of at least 2 types of traditional land use

37_GEOL	Significant geological and geomorphological sites
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend	Individual features representing location of important caves, geological and

	geomorphological sites - buffer 200 m. 0 - absence 1 - presence

38_PARKS	**Historical parks and gardens**
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	0, 1 (presence)
Min / Max *	---- (Individual elements)
Legend	Individual features representing location of historical parks and gardens - buffer 150 m. 0 - absence 1 - presence

39_ATRAC	**Cultural and historical attractions and monuments**
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	Qualitative categories
Min / Max *	4 categories of the occurence
Legend	Classification of cadastre areas in terms of occurence of cultural and historical monuments (castle, chateau, museum, other historical buildings): 0 –cad. areas without occurence of cultural and historical monuments 1 - cad. areas with occurence of cultural and historical monuments (1-10) 2 – cad. areas with high occurence of cultural and historical monuments (11-100) 3 - cad. areas with very high abundance of cultural and historical monuments (100+)

40_RECR	**Recreation and tourism objects**
Data source	Landscape Atlas of the Slovak Republic
Data accuracy	1:100,000+
Units	Qualitative categories
Min / Max *	3 categories of the occurence
Legend	Classification of cadastre areas in terms of occurence of recreational and tourism objects (individual objects – cabins, cottages; commercial objects) 0 –cad. areas without occurence of recreational and tourism objects 1 – cad. areas with occurence of recreational and tourism objects 2 - cad. areas with high abundance of recreational and tourism objects