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ГЕОГРАФИЧЕСКИЕ НАУКИ В ОБЕСПЕЧЕНИИ СТРАТЕГИИ УСТОЙЧИВОГО РАЗВИТИЯ В УСЛОВИЯХ ГЛОБАЛИЗАЦИИ

(к 100-летию со дня рождения
профессора Н. Т. Романовского)

GEOGRAPHICAL SCIENCES IN REALIZATION OF SUSTAINABLE DEVELOPMENT STRATEGY IN GLOBALIZING WORLD

(to the 100th anniversary
of Professor N. T. Romanovskij)

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Географические науки в обеспечении стратегии устойчивого
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В издании отражены научно-методические и прикладные результаты научных исследований в области современных структурных и региональных сдвигов в мировом хозяйстве, социально-экономической модернизации стран, регионов СНГ и Беларуси в условиях глобализации, демографического развития и социально-демографических рисков стран, современных проблем развития туризма, природно-ресурсного потенциала стран и регионов, геоэкологических аспектов стратегии устойчивого развития.

Адресуется преподавателям, научным работникам, студентам и аспирантам вузов, сотрудникам органов управления.

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GEOLOGICAL AND GEOMORPHOLOGIC HERITAGE PROTECTION IN THE SILESIAN PROVINCE (SOUTHERN POLAND) – PROPOSED GEOPARK AND GEOSITES

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In the last years the increase in interest in inanimate nature protection has been observed. Its development is supported by organisations UNESCO, the International Union of Geological Sciences (IUGS) and the European Association of Geological Heritage Protection (ProGEO). One of the most important conservation programs in Europe became the program Global GEOSITES, coordinated by IUGS in cooperation with ProGEO. Its aim is to create international database of geosites, which are representative and essential for preserving of the geological and geomorphological heritage of the Earth. Also in Poland this initiative was accepted with large interest at the national and local field as well (Alexandrowicz 2006a, www.iop.krakow.pl/geosites). This conception is mainly realised by the Institute of Nature Conservation (Polish Academy of Sciences) and the Polish Geological Institute. The Silesian Province, thanks to its location in the area of varied physicogeographical conditions can be proud of the presence of many valuable geological and geomorphologic objects. The paper presents short characteristics of proposed geosites and geopark, located in the area of the province (tab. 1).

Table 1

Representative geosites in the Silesian Province proposed to European Network of Geosites (made by author on the base of: www.iop.krakow.pl/geosites)

No	Type of geosite	Name	Location	Description
1	**B** (C, H)	Sokole Mts. Nature Reserve	WŚ-K	Cainozoic karst system formed in the Jurassic limestones
2	**B** (C, E_2)	Kroczyce Rocks	WŚ-K	Limestone hardrocks at old Tertiary planation surface
3	**H** (D, F)	Historic mine in Tarnowskie Góry	WŚ-K	Hydrothermal Pb-Zn ore deposits in the Permian-Mesozoic cover of the Upper Silesian basin
4	**A** (C, E_2)	Czerwionka in the Upper Silesia	WŚ-K	Carboniferous flora and sedimentary environment
5	**E_2** (A)	Rydułtowy outcrop	WŚ-K	Lithostratigraphy of Upper Carboniferous
6	**E_2** (A, C)	Domaczka Stream	ZKZ	Stratigraphy and tectonics of marginal northern zone of the Carpathians

Table 1

No	Type of geosite	Name	Location	Description
7	**E_2** (C)	Kozy	ZKZ	Lithostratygraphy of flysch deposits
8	**D** (G)	Cieszyn-Boguszowice	ZKZ	Magmatic rocks –intrusions in flysch deposits, teschenites
9	**E_2** (C, A)	Jasieniowa Mount	ZKZ	Cieszyn limestones in flysch, fossils
10	**E_2**, (D, G)	Soła River in Żywiec Town	ZKZ	The lowermost part of the Silesian Unit succession in the Western Carpathians
11	**C** (E_2)	Przybędza	ZKZ	Lithostratigraphy of Krosno deposits
12	**B**	Malinowska Cave	ZKZ	Pseudokarst cave formed in flysch deposits
13	**B** (E_2)	Vistula River Valley Nature Reserve	ZKZ	River erosion. Waterfalls in contact zone of fwo flysch formations.
14	**E_2** (B, A, C)	Janoska Stream	ZKZ	Lithostratigraphy of flysch formations

The largest group of geosites (43%) is represented by type E_2 (stratigraphy of Phanerozoic) and B (geomorphology) (29%). In the Silesian Province the Eagle Nests Landscape Park (PKOG) was initially identified as a candidate for the European Geoparks Network as part of the Jurassic Geopark (Alexandrowicz 2006b) (fig. 1).

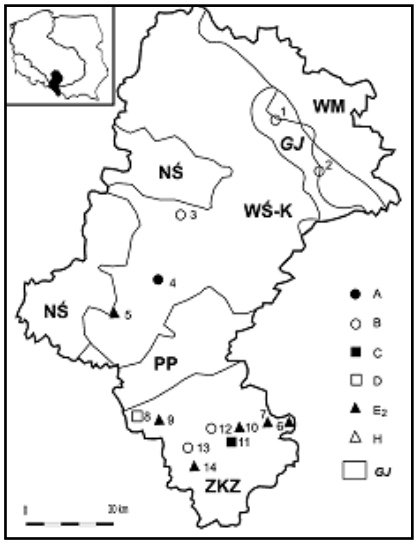

Fig. 1. Distribution of geosites proposed to European Network of Geosites and geopark in the area of Silesian Province (made by the author): WM – Little Polish Upland, WS-K – Silesian-Cracow Upland, NS – Middle Polish Lowlands, PP – Northern Subcarpathians, ZKZ – Western External Carpathians, *GJ* – Jurassic Geopark (PKOG), A – palaeobiology, B – geomorphology, C – palaeoenvironment, D – petrography, E_2 – stratigraphy of Phanerozoic, H – geology of mineral deposits

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