



XIX Congress of the Carpathian Balkan Geological Association
Thessaloniki, Greece, 23-26 September 2010

Session

S09

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S09 Geology of the Pieniny Klippen Belt and the role of zones with extensive shortening in the structure of orogenic belts

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This session accepts both full papers and abstracts

The Pieniny Klippen Belt (PKB) represents a very narrow but continuous zone that follows the Outer/Central Carpathian boundary for about 600 km. Despite certain along-strike differences, the entire PKB bears some common features revealing an extraordinary shortening and accumulation of units of originally distant provenances. The PKB has been intensively studied for some 150 years, but many specific features of its structure and evolution remain still enigmatic. On the other hand, the last decade brought numerous data and concepts of key importance that have shed new light on several old problems. The session aims at presentation of the recent results in studies of the PKB and similar narrow, but intensively shortened orogenic zones and at stimulation of a vivid discussion that would inspire further research.

The PKB and related zones extend in areas of 5 countries (Austria, Slovakia, Poland, Ukraine and Romania), therefore a number of contributions is expected. These may cover many aspects of geological research, including stratigraphy and palaeontology, lithology and sedimentology, basin analysis, volcanology, palaeogeography, structural geology, tectonic structure and evolution etc. Innovative and interdisciplinary approaches and methods applied to long-term problematic aspects will be especially welcome.