

CORRELATION OF THE UPPER PERMIAN TYPE SECTIONS OF THE EAST EUROPEAN PLATFORM

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Abundant Upper Permian sections of the East European Platform are represented by a continuous sequence of marine, transitional and continental facies. Therefore, normal marine and fresh water fauna, and marine flora and fauna can be observed within one section.

Most recent palaeontological studies have provided complete characteristics of the Ufimian, Kazanian and Tatarian based on various faunal and floral groups such as foraminifers, corals, radiolarians, ostracods, bryozoans, conodonts, fish, nautiloids, vertebrates, charophytes, miospores that permitted the creation of a detailed zonal stratigraphic scheme for the Upper Permian. That in turn permitted the correlation of the Ufimian, Kazanian and Tatarian biostratigraphic levels of the Biarmian area, the Volga-Urals basin, with sediments of the same age from Spitsbergen, Greenland, Novaya Zemlya (New Land), Timano-Kolimsky region, Kazakhstan and Primorie. Detailed palaeomagnetic studies of the area revealed fine geomagnetic structure of the Kiama and Illawarra hyperzones. Global correlation becomes possible through the complex use of biostratigraphy and magnetostratigraphy.