



**PROJECT 448**

**WORLD CORRELATION  
OF KARST ECOSYSTEM  
NEWSLETTER**

**KARST DYNAMICS LABORATORY  
GUILIN, CHINA**



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Caves developed on the fluctuation zone of Bratsk Reservoir on Angara River, East Siberia, Russia since its filling in 1961. This part of the Reservoir is underlain by Cambrian gypsum beds.

**Cover photo:** A karst collapse occurred on the bank of Bratsk Reservoir, East Siberia, Russia. Outcrops on the collapse wall are Cambrian gypsiferous bed.



**Fig.23 Dull karst landscapes of Libian Desert (Egypt):**  
A – limestone landscape (Kharga Oasis), B – landscape on chalk base (the suburbs of Farafra Oasis).

A



B



C



D



**Fig.21 Gypsophilous and calcicoles plants on a gypsum (A,B,C) and limestone (C) substratum:**

A – “Orchidea of North” (*Cypripedium calceolus*) – more southern plant grows on gypsum even in north taiga subzone (Pinega R., Russian North), B – gypsophilous plant aggregation with steppe elements on a gypsum outcrop in the south taiga subzone (Sylva R., Pre-Urals, Russia), C – “Adam’s Head” (*Echinops ritro*) – typical steppe plant on gypsum massives in south taiga subzone (Kungur, Pre-Urals, Russia), D – “Mary’s Root” (*Peonia tenuifolia*) – wild peony, typical plant of limestone outcrops in Middle Urals area (Russia).