

## A glimpse into ancient food storage: Sequestrichnia and associated nucleocave *Chondrites* from Eocene deep-sea deposits

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The old brickyard Velká nad Veličkou in the Czech Republic offers a unique insight into an Eocene deep-sea ichnoassemblage that is dominated by sequestrichnia. Secondary use of such food-stowing was made by the tracemaker of *Chondrites intricatus* as evidenced by its frequent penetration of the trace fossil *Zoophycos brianteus* and its occurrence preferentially on the surface of *Zoophycos spreiten*. Here, the *Chondrites* tracemaker presumably exploited the nutrient-enriched micro-environment (nucleocave). This close interrelations between *Chondrites* and *Zoophycos* support the hypothesis of a sequestrichnial behaviour of the *Zoophycos* producer. The studied locality also yields *Helminthopsis tenuis*, *Tubulichnium mediterraneensis*, *Scolicia strozzii*, ?*Dactyloidites* isp., *Megagraption irregulare*, and *Planolites* isp.

**Key words:** *Zoophycos*, trace fossils, deep-marine, flysch, Bílé Karpaty Unit, Outer Western Carpathians, Czech Republic.

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