

CIMP International Meeting and Workshop,

Lille, France, 5-7 September 2002.

Palaeozoic Palynology in the Third Millennium: new
directions in acritarch, chitinozoan and miospore research.

Abstract volume

Biometry and illustrations of holotype material from Northern Spain and Gotland of selected chitinozoan index species of the Llandovery and the Wenlock (Silurian).

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From several index species of Llandovery and Wenlock 'global' chitinozoan biozones a biometry is presented with diagrams of maximum length versus maximum width, and width of the vesicle chamber versus width of the neck. Samples are taken in or close to the holotype material or areas with well preserved material.

The following species are studied: *Spinachitina maennili* from the Ikla borehole in Estonia at depth -435.9m, *Conochitina alargada* in samples from the Cramer collection, kept in Wien, Austria, out of the Formigoso Formation, Cantabrian Mountains, Spain, *Eisenackitina dolioliformis* from the Ikla borehole in Estonia at depth -309 m, *Cingulochitina cingulata* from the Slite Formation, Gotland, Sweden, *Conochitina pachycephala* from the Mulde Formation at Djupnik 1, Gotland, Sweden and *Sphaerochitina lycoperdoides* from the Klinteberg Formation at Gothemshammar 2, Gotland, Sweden. The results will be compared with the original description(s) and the descriptions in the literature of species with slightly similar form.

(Poster)