

Répartition des Noelaerhabdaceae (nannofossiles calcaires) dans le Quaternaire moyen et supérieur des océans Atlantique et Pacifique



Calcareous nannofossil assemblages of the family Noelaerhabdaceae have been studied in sediments of seventeen Quaternary cores raised from various climatic areas of the Atlantic and Pacific oceans. These sections display a regular, hiatus-free sedimentation for the last 500000 years. They have been dated using oxygen-isotopic measurements, variations of calcium carbonate content, variations of total nannofossil abundance, thorium measurements and volcanic ash horizons. Coccoliths of the genus *Gephyrocapsa* have been placed in three distinct taxonomic groups, based on morphological criteria inferred from light-microscope observations. Their acmes, as well as the acme of *Emiliana huxleyi*, are considered as stratigraphic markers. These markers characterize most of the last thirteen glacial-interglacial climatic stages, as well as some climatic events of lower magnitude (8.5 and 6.5). Most of these markers have global stratigraphic significance: acme of "closed" *Gephyrocapsa* during stages 13, 11 and 9, and during event 8.5; acme of "small" *Gephyrocapsa* during stage 7 and event 6.5; acme of "open" *Gephyrocapsa* at top of event 6.5, and during stages 5 and 3; acme of *E. huxleyi* during stages 3 and 1. Others are only valid south of the southernmost latitude reached by the North-Atlantic polar front during the Quaternary: acme of "closed" *Gephyrocapsa* during stage 12; acme of "small" *Gephyrocapsa* in early and middle stage 5; acme of *E. huxleyi* during stage 2. Others are only valid south of 20-degrees-S: acme of "small" *Gephyrocapsa* at the 10/9 stage boundary; acme of "open" *Gephyrocapsa* during stage 6.

Auteurs du document : Pujos, A, Giraudeau, J

Obtenir le document : Gauthier-Villars

Mots clés : NOELAERHABDACEAE, CALCAREOUS NANNOFOSSILS, STRATIGRAPHICAL MARKERS, UPPER/MIDDLE QUATERNARY

Thème (issu du Text Mining) : MILIEU NATUREL

Date : 1993

Format : text/xml

Source : Oceanologica Acta (0399-1784) (Gauthier-Villars), 1993 , Vol. 16 , N. 4 , P. 349-362

Langue : Inconnu

Droits d'utilisation : info:eu-repo/semantics/openAccess, restricted use

Télécharger les documents : <https://archimer.ifremer.fr/doc/00099/21061/18687.pdf>

<https://archimer.ifremer.fr/doc/00099/21061/>

Permalien : <https://www.documentation.eauetbiodiversite.fr/notice/repartition-des-noelaerhabdaceae-nannofossiles-calcaires-dans-le-quaternaire-moyen-et-superieur-des-0>

Evaluer cette notice: