# Managing biostratigraphic data with PALSYS.org A platform for training and knowledge exchange in biogeosciences

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Data 'ages'

## A solution: PALSYS.org

The LPP Foundation has revived a platform for storage and comprehensive mamagement of biostratigraphic data: PALSYS.org. By signing up to PALSYS.org you get: • All literature-based stratigraphic/taxonomic dinocyst data • All fully up-to-date and calibrated to the latest GTS • A large (>20.000) image database, incl. holotypes • A comprehensive self-study tutorial for students/trainees • Create your own notes with the species descriptions • Share/suggest updates to the database

• Upload in-house, confidential sub-databases



#### ALSYS Eisenack Achomosphaer Alisocysta Chlamydophore Alberti, G. Eisenack Ctenidodiniur Lentin and William Gonyaulacyst Homotrybliun Lentin and Willian Impagidinium Eisenack Isthmocystis Clowes, C.D. Kleithriasphaerid Eisenack Kleithriasphaeric Below, R Litosphaeridiur Lentin and William Maturodiniun Berger, J.P. Lentin and William Occisucysta Lentin and Williar Oligosphaeridiu Oligosphaeridiur Phthanoperidini Lentin and Willian

Lentin and Williams

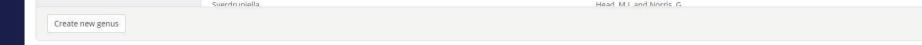
#### **Features and Functionalities**

**1**. Genus- and species list containing all published taxa

### What PALSYS.org delivers

- Preserves biostratigraphic knowledge otherwise lost
- Alleviates teaching/training load/costs by providing a hands-on tool to self-study
- Allows for the reduction of storage space needed for micro scope slide and literature hardware
- Presents large datasets of taxonomic and stratigraphic data in a comprehensive way
- Ensures literature is interpreted in a consistent way and based on the latest insights
- Scientific quality controll is ensured with a scientific steering committe that advises on bi-yearly updates

5	PALSYS			-
Genus	Genus			
	Cyst peridinioid or gonyaulacoid?	Name	Author	¢
iterature	Yes No	Achomosphaera		
	(Cyst outline) peridinioid?	Alisocysta		
ratigraphy	Yes No	Ctenidodinium	Eisenack, 1935	
	Paratabulation indicated?	Gonyaulacysta	Lentin and Williams, 1973	
(i) About us	Yes No	Homotryblium	Lentin and Williams, 1973	
4000LUS	Outline ceratioid?	Impagidinium	Eisenack, 1935	
	Yes No	Kleithriasphaeridium	Eisenack, 1935	
	Dorso-ventral compression?	Litosphaeridium	Lentin and Williams, 1973	
	Yes No	Occisucysta	Lentin and Williams, 1973	
	Hypocyst partiform?	Oligosphaeridium	Lentin and Williams, 1973	
	Yes No	Phthanoperidinium	Lentin and Williams, 1973	
		Spinidinium	Lentin and Williams, 1973	
		With group and user	Lentin and Williams, 1973	



Spinidinium

<u>5</u>	PALSYS
Genus	Back Species: Achilleodinium
Literature	General Images Stratigraphy Stratigraphy filters Description Literature Notes
Stratigraphy (i) About us	
5 1	PALSYS
Genus	Stratography

itograp	1				
Cenozic Phaneros	quat	Holocene		Achieodinan Bionien Di	ines ocontochit
Cenozic Phanerozic	quaternary	pleistocene	Upper		
			Middle		
			Calabrian		
			Gelasian		
	Neogene	Pliocene	Piacenzian		
	gene		Zanclean		
		Miocene	Messinian		Ĩ
			Tortonian		
			Serravallian		
			Langhian		
			Burdigalian		
			Aquitanian		
	Pale	Oligocene	Chattian		
	Paleogene		Repulian		
		Eocene	Priabonian		
			Bartonian		
			Intetion	(	

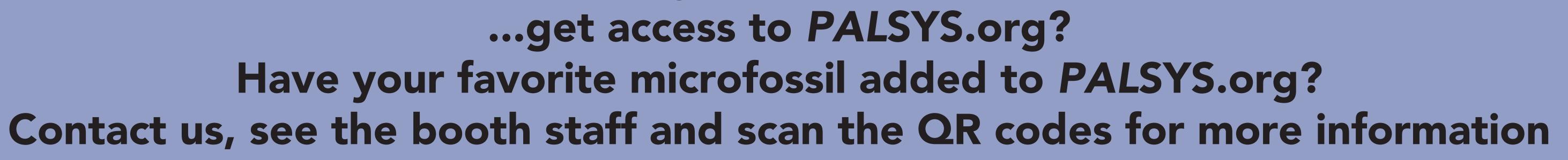
- **2**. A clever search- and filter engine based on the suprageneric taxonomic principles of the fossil group
- **3.** An image database (>20.000 images) 4. Their original descriptions, emendations, synonymy, taxonomic status and literature citations
- **5**. The stratigraphic ranges, calibrated to the latest GPTS
- **6**. A stratigraphic plotter plots stratigraphic ranges in specific geographic areas and time intervals
- 7. Advanced print functionalities ensures accessibility of the database in offline mode.

All in one platform, fully interactive, always up-to-date

Create new genus						
PALSYS						
Back Species: Geen data nog						
General Images Stratography Stratography builder Description Literature Notes						
Ctenidodinium ornatum (Eisenack, 1935) Deflandre 1938						
Originally Lithodinia jurassica var. ornata, subsequently (and now Ctenidodinium ornatum, thirdly Gonyaulacysta ornata. Pocock, 1972, transferred this species to Gonyaulacysta Deflandre, 1964. Lentin and Williams, 1973, retained it in Ctenidodinium.						
Tax. sr. synonyrn of Ctenidodinium? cristatum (Horowitz, 1975) Stover and Evitt, 1978, according to Woollam, 1983. Holotype: Eisenack, 1935, pl.4, fig.9						
Plesiotype: Deflandre, 1938, pl.9, fig.1 Paratypes: Deflandre, 1938						
Locus typicus of holotype: E Prussia Locus typicus of plesiotype: Villers-sur-Mer, Calvados, France						
Stratum typicum: Oxfordian Translations Ejsenack, 1935. Deflandre, 1938. Klement, 1960 and Gocht, 1970: LPP						
G.L. Williams short notes on species, Mesozoic-Cenozoic dinocyst course, Urbino, Italy, May 17-22, 1999 - LPP VIEWER CD-ROM 99.5.						
Ctenidodinium ornatum\\plain\\f2\\fs20 (Eisenack, 1935) Deflandre, 1939a. According to Woollam (1983, p.184), has parasutures marked by ornate crests, and the asymmetry of the paracingular crests is a distinctive feature of the species, the posterior crest being high, the anterior crest being faint or absent. \\plain\\f2\\fs20\\I C. combazii\\plain\\f2\\fs20 differs from \\plain\\f2\\fs20\\I C.\plain\\f2\\fs20\\I C.\plain\\f2\\fs20\\I ornatum\\plain\\f2\\fs20\\I ornatum\\plain\\f2\\fs20\I ornatum\\plain\\f3\I ornatum\\plain\\f3\I ornatum\\plain\\f3\I orna						
Original description: Eisenack 1935, p.175-176: Lithodinia jurassica var. ornata Annotated description: Body mostly polyhedral and in dorsal or ventral view a slightly elongate hexagon with more or less convex sides; occasionally spherical. Hypocyst as large as or slightly higher than epicyst. Cingulum clear, but quite flat. Sulcus discernible, apparently extremely flat. In equatorial section ring-shaped. Equatorial plates (pre- and postcingulars) remarkably large and vaulted trapezoid. One antapical plate, quadrate to trapezoid. Apical and antapical plates flat, the latter parall equatorial plane. Sutures, with the exception of some at the apex, marked by septa, that may be developed weakly to strongly and finely to coarsely. When strongly developed, the septa indicating the cingulum are only present at the antapical specimens with weakly developed crests, the projections are distally furcate. In specimens with more strongly developed septa, these septa are either finely or coarsely dentate. These forms are described as L. jurassica var. ornata. The specimens of following tabulation: 4ap + 5pr + ?g + 5pst + 1p + 1at. The apex is sealed by an apex-platelet. I suspect that the apical plates bordering the sulcus (1 and 2) are not always separated and form the "rhomboid plate".						
Deflandre 1938, p.181-182: Ctenidodinium ornatum Annotated description: The spherical body seems to possess a hypotheca that is more resistant than the epitheca. According to Eisenack (1935), the epitheca comprises 4 apical and 5 pre-equatorial plates. My best specimens only show the epitheca simple than the hypotheca, thus corroborating Eisenacks data. The hypotheca comprises 5 postequatorial plates, an antapical plate and an intermediate plate. The hypothecae in my material were all oriented in a way that I could obs						
Save						
PALSYS						
Back Species: Achilleodinium						

Ĩ	Back Species: Achilleodinium				
	General Images Stratigraphy St	Add new stratigraphy filter	×		
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	America	VAT: 12.21		76.12	
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		Add new stratigraphy filter			

#### Do you want to...



#### See PALSYS.org (under construction)

#### Like us on Facebook for progress and updates







