

# Einhängung der Dinozysten-Zonierung in die internationale Zeitskala und Korrelation zu den Kalknannoplankton-Zonen

Angelika Köthe, Stand: Mai 2008

Time (Ma)	Series	International stages	Dinocysts	Calc. Nanno-plankton		
5	PLIOC.	2.59 GELASIAN		NN18 NN19		
		3.60 PIACENZIAN		NN17 NN16		
		5.33 ZANCLEAN		NN13/15 NN12		
10	MIOCENE	LATE	7.25 MESSINIAN	DN10	NN11	
			8.8 TORTONIAN	DN9	NN10	
		MIDDLE	11.6 SERRA-VALLIAN	DN8	NN9	
			13.65 LANGHIAN	DN7	NN8 NN7	
		EARLY	14.8 BURDIGALIAN	DN6	NN6	
			15.97	DN5	NN5	
		20	EARLY	19.4	DN4	NN4
				20.43	DN3	NN3*
				22.6	D16 DN2	NN2*
				23.03	DN1	NN1*
25	OLIGOCENE	LATE	24.4 CHATTIAN	D15	NP25*	
			27.25		NP24*	
		EARLY	30.0	D14	NP23*	
			32.4	D13	NP22	
			33.9	D12	NP21	
35	LATE	36.2 PRIABONIAN	D11	NP19/20		
		37.2	D10	NP18		
		38.8	D9	NP17		
40	EOCENE	MIDDLE	40.4 BARTONIAN	D8	NP16	
			42.5		NP15	
		EARLY	46.65 LUTETIAN	D7	NP14	
			48.0	D6	NP13	
		50	EARLY	50.5	D5	NP12
				51.2	D4	NP11
				52.6	D3	NP10
				53.8	D2	NP9
				54.3	D1	NP8
				54.8		NP7
55	LATE	55.8 THANETIAN	D1	NP6		
		56.9		NP5		
		58.7		NP4		
		59.3		NP3		
60	EARLY	61.7 SELANDIAN		NP2		
		63.2 DANIAN		NP1		
		64.5		NP1		
65						

## Literatur

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Einhängung der Dinozysten-Zonierung (KÖTHE, 2003 modifiziert) in die internationale Zeitskala (GRADSTEIN et al. 2004) und Korrelation zu den Kalknannoplankton-Zonen (MARTINI, 1971 bzw. \*MÜLLER & KÖTHE, 1988)