

A platform for geospatial data integration in paleoanthropology paleocore.org

MISSION

Integrate data across independent research projects.

Lomekwi Turkana

Contrebandier

Dikika

Hadar Combe Capelle

Fontechevade Omo-Mursi

Laetoli Great Divide Basin

Omo-Shungura Mille-Logya

Discovery

PaleoCore

Synthesis

WEB BASED DATA MANAGEMENT

Data Standards





Online Data Repository



Mobile Digital Data Collection



WEB BASED DATA MANAGEMENT

PaleoCore terms are based on existing standards:

Dublin Core

Darwin Core

Access to Biological Collections Data (ABCD)

FLEXIBILITY

SPACE

FUZZINESS

FLEXIBILITY

SPACE

FUZZINESS



INTERNATIONAL CHRONOSTRATIGRAPHIC CHART

International Commission on Stratigraphy

v 2014/02



Son Son	E Sale	ary Spannites	Series / Epoch	Stage / Age	GSSP	numerical age (Ma)
		Quaternary	Holocene		3	0.0117
			Pleistocene	Upper		0.126
		ie		Middle		0.781
		a		Calabrian	3	1.80
		ō		Gelasian		2.58
			Pliocene	Piacenzian	00	3.600
				Zanclean	3	5.333
		Ф	Miocene	Messinian	5	7.246
		en		Tortonian	4	
		Neogene		Serravallian	2	11.62
	O			Langhian	~	13.82
	Cenozoic			Burdigalian	T	15,97
	2			Aquitanian	6	20.44
	Se			Chattian	2	23.03
			Oligocene		-	28.1
Phanerozoic		e		Rupelian	0	33.9
			Eocene	Priabonian		38.0
		er		Bartonian		41.3
		Paleogene		Lutetian	8	47.8
2				Ypresian		41.0
Ě			Paleocene	Thanetian	20	56.0
ĕ				Selandian	3	59.2
-				Danian	3.4	61.6
Managin				HISSON STEELS	8	66.0
		Cretaceous	Upper	Maastrichtian	4	72.1 ±0.2
				Campanian		
				Santonian	53	83.6 ±0.2
				Contactan	- 10	86.3 ±0.5
				Un Printly (Printly)		89.8 ±0.3
	O			Turonian	1	93.9
	OZC			Cenomanian	5	100.5
	es		Lower	Albian		
	Σ			Antion		~ 113.0
				Aptian		~ 125.0
				Barremian		~ 129.4
				Hauterivian		- 132.9
				Valanginian	4	
				Berriasian		~ 139.8
						- 145.0

www.stratigraphy.org

Phanerozoic	Jurassic	3	Upper Middle Lower	Tithonian Kimmeridgian Oxfordian Callovian Bathonian Bajocian Aalenian Toarcian	200	- 145.0 152.1 ±0.9 157.3 ±1.0 163.5 ±1.0 166.1 ±1.2 168.3 ±1.3 170.3 ±1.4 174.1 ±1.0 182.7 ±0.7
	Jurassic	3	Middle	Oxfordian Callovian Bathonian Bajocian Aalenian Toarcian	100	157.3 ±1.0 163.5 ±1.0 166.1 ±1.2 168.3 ±1.3 170.3 ±1.4 174.1 ±1.0
	Jurassic			Callovian Bathonian Bajocian Aalenian Toarcian	100	163.5 ±1.0 166.1 ±1.2 168.3 ±1.3 170.3 ±1.4 174.1 ±1.0
	Jurassic			Bathonian Bajocian Aalenian Toarcian	100	166.1 ±1.2 168.3 ±1.3 170.3 ±1.4 174.1 ±1.0
	Jurassi			Bajocian Aalenian Toarcian	100	168.3 ±1.3 170.3 ±1.4 174.1 ±1.0
	Juras			Aalenian Toarcian	100	174.1 ±1.0
	np.	3	Lower	Toarcian		
		3	Lower			182 7 +0 7
		3	Lower			CONTRACT AND F
					5	010220121100100
				Sinemurian		190.8 ±1.0
					2	199.3 ±0.3
DIO:			_	Hettangian	-	201.3 ±0.2
200		Upper		Rhaetian		- 208.5
000	Q		Norian		23000	
200	Friassic		Carnian	4	- 227	
5	È		Middle	Ladinian	2	~ 237
-				Anisian	31	- 242
0		(Particular III)	Olenekian	101	247.2 251.2	
ō		- 6	Lower	Induan	3	252.17 ±0.08
ō		Lopingian Guadalupian		Changhsingian		254.14 ±0.07
3				Wuchiapingian	1	259.8 ±0.4
				Capitanian	5	265.1 ±0.4
	=			Wordian	3	268.8 ±0.5
	Permian			Roadian	3	272.3 ±0.5
	F		Cisuralian	Kungurian	-27	
	0			Artinokian		283.5 ±0.6
		Cis		Artinskian		290.1 ±0.26
12				Sakmarian		295.0 ±0.18
ZO				Asselian	5	298.9 ±0.15
Paleozoic		ian	Upper	Gzhelian		303.7 ±0.1
d'		No.	CONTRACTOR OF THE PARTY OF THE	Kasimovian		307.0 ±0.1
	81	Uppe Lowe	Middle	Moscovian		315.2 ±0.2
	5	ne	Lower	Bashkirian	V.	313.2 10.2
	1	Q.	III COMPANIES III		3	323.2 ±0.4
	ē	an	Upper	Serpukhovian	6	330.9 ±0.2
	Carboniferous	Wississippian	Middle	Visean	5	346.7 ±0.4
		SSE.	Lower	Tournaisian		340.7 10.4

E COMPANY	Sylven Co.	Series / Epoch	Stage / Age	S numerical age (Ma)
		Upper	Famennian	S 372.2 ±1.6
	=		Frasnian	382.7±1.6
	nie		Givetian	S 387.7 ±0.8
	Devonian	Middle	Eifelian	2
	ă	Lower	Emsian	555.527.2
			Pragian	407.6 ±2.6 410.8 ±2.8
			Lochkovian	The state of the s
		Pridoli	225-2000-200-200-200-200-200-200-200-200	419.2 ±3.2
		47/43/5/5/5/5	Ludfordian	423.0 ±2.3 425.6 ±0.5 427.4 ±0.5
	E	Ludlow	Gorstian	425.6 ±0.3
	Ë	Wenlock	Homerian	30.5 ±0.7
	Silurian	Llandovery	Sheinwoodian Telychian	433.4 ±0.8
			Aeronian	38.5 ±1.1
⊻			Rhuddanian	440.8 ±1.2
Si Si			Hirnantian	443.4 ±1.5
Phanerozoic Paleozoic		Upper	Katian	453.0 ±0.7
Pa	rician		Sandbian	a
_	ovic	Middle	Darriwillan	458.4 ±0.9
	밀		Dapingian	470.0 ±1.4
	U	Lower	Floian	3 477.7 ±1.4
			Tremadocian	485.4 ±1.9
		Furongian	Stage 10	400.4 £1.5
			Jiangshanian	- 489.5
			Paibian	~ 494
		Series 3	Guzhangian	~ 497 S ~ 500 5
	c		Drumian	300.5
	Cambrian		Stage 5	- 504.5
	E C	Series 2	Stage 4	- 509
	Ca		Stage 3	~ 514
			Stage 2	- 521
		Terreneuvian	Fortunian	~ 529

	Proterozoic	Neo- proterozoic	Ediacaran 4 - 6
			Tonian 0 85
		Meso- proterozoic	Stenian 2 10
			Ectasian 2 12
			Calymmian 2 14
		Paleo- proterozoic	Statherian (2) 18
Precambrian			Orosirian
			Rhyacian 20
			Siderian 23
	chean	Neo- archean	Ø 25
		Meso-	⊘ 28
		archean Paleo-	② 32
	A	archean	② 36
		Eo- archean	Ø) 40

Units of all ranks are in the process of being defined by Global Boundary Stratotype Section and Points (GSSP) for their lower boundaries, including those of the Archean and Proterozoic, long defined by Global Standard Stratigraphic Ages (GSSA). Charts and detailed information on ratified GSSPs are available at the website http://www.stratigraphy.org. The URL to this chart is found below.

Numerical ages are subject to revision and do not define units in the Phanerozoic and the Ediscaran; only GSSPs do. For boundaries in the Phanerozoic without ratified GSSPs or without constrained numerical ages, an approximate numerical age (~) is provided.

Numerical ages for all systems except Lower Pleistocene, Permian, Triassic, Cretaceous and Precambrian are taken from 'A Geologic Time Scale 2012' by Gradstein et al. (2012); those for the Lower Pleistocene, Permian, Triassic and Cretaceous were provided by the relevant ICS subcommissions.

Coloring follows the Commission for the Geological Map of the World (http://www.cogm.org)

Chart drafted by K.M. Cohen, S.C. Finney, P.L. Gibbard (c) International Commission on Stratigraphy, February 2014

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URL: http://www.stratigraphy.org/ICSchart/ChronostratChart2014-02.pdf

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Find Geological Context Time

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Mobile Devices Remote Clients CentOS Linux Django Web Application Server PaleoCoreR API for R Statistics GeoServer Web Feature/Map Server PostgreSQL PostGIS PaleoCore Spatial Database SAR 2016

PUBLICLY FUNDED AND OPEN SOURCE

Built on Free Open-Source Software







• Source Code: github/paleocore



• Funding and support:



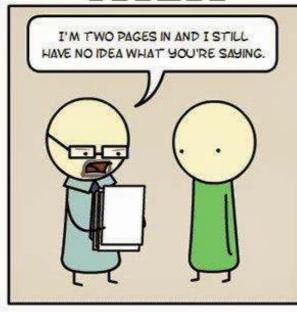




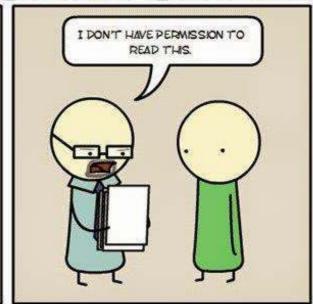
PYTHON

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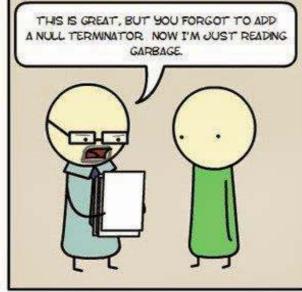






ASSEMBLY









THIS IS GIT. IT TRACKS COLLABORATIVE WORK ON PROJECTS THROUGH A BEAUTIFUL DISTRIBUTED GRAPH THEORY TREE MODEL. COOL. HOU DO WE USE IT? NO IDEA. JUST MEMORIZE THESE SHELL COMMANDS AND TYPE THEM TO SYNC UP. IF YOU GET ERRORS, SAVE YOUR WORK ELSEWHERE, DELETE THE PROJECT, AND DOUNLOAD A FRESH COPY.