

# Stratigraphic Table of Germany Compact 2022



Global Stratigraphic Scale (GSS)						Regional Stratigraphic Scale (RSS)							
ERA	PERIOD SYSTEM	EPOCH SERIES	STAGE (AGE)	Duration Ma	Age Ma	Regional Geochronol.	Region	Lithostratigraphy, Climastratigraphy (Quaternary) (selected examples) (older \ younger)	Natural resources, deposits, reservoirs, fossils (selected examples)	Regional Stage Group	GLOBAL EPOCH/SER.	PERIOD SYSTEM Supergroup	
CENOZOIC	QUATERNARY	HOLOCENE 0.004	MEGHALAYAN	0.004	0.008			Subboreal \ Subatlantic	peat	Holocene	HOLO-CENE	QUATERNARY	
			NORDGRIPPIAN		0.012				Preboreal \ Boreal \ Atlantic	alluvial loam			
		L. U.	STAGE 4	0.114	0.126				Weichsel, Gl. Eem Ig. Würm Glacial	water	Neandertal NW		PLEISTOCENE
			M. M.	CHIBANIAN	0.65	0.78			Saal. Complex Holst. Riss Glacial	tephra	Steinheim BW		
		PLEISTOCENE 2.6	E. L.	CALABRIAN	1.02	1.8			Cromer. Complex	sand, gravel	Bitzingsleben TH		Reg. Stage North Sea
				GELASIAN	0.8	2.6			Menapian \ Bavelian Complex	clay, loam, marl	Heidelberg BW		
		PALEOCENE	L. U.	PIACENZIAN	1.0	3.6			Waalian Complex	diatomaceous earth			PLIO.
				ZANCLEAN	1.7	5.3			Eburonian Complex	travertine			
		MIOCENE	M. M.	LANGHIAN	2.2	11.6			Tiglian Complex				MIOCENE
				SERRAVALLIAN	2.2	13.8			Pretiglian Complex				
	PALEOGENE	E. L.	AQUITANIAN	2.6	20.4						OLIGO-CENE		
			CHATTIAN	5.1	25								
	OLIGOCENE	E. L.	RUPELIAN	5.8	30						EOCENE		
			PRIABONIAN	4.1	35								
	EOCENE	M. M.	LUTETIAN	6.5	45						PALAEO-CENE		
			YPRESIAN	8.2	50								
	PALEOCENE	L. U.	SELANDIAN	2.4	59.2						PALAEO-CENE		
			DANIAN	4.4	61.6								
	MESOZOIC	CRETACEOUS	LATE CRETACEOUS	MAASTRICHTIAN	6.0	66.0						LATE CRETACEOUS	
				CAMPANIAN	11.5	72.0							
UPPER CRETACEOUS			SANTONIAN	3.0	83.5						EARLY CRETACEOUS		
			CONIACIAN	3.5	86.5								
LOWER CRETACEOUS			TURONIAN	4.0	90.0						EARLY CRETACEOUS		
			CENOMANIAN	6.5	94.0								
EARLY CRETACEOUS			ALBIAN	12.5	100.5						EARLY CRETACEOUS		
			APTIAN	≈8.5	113								
LOWER CRETACEOUS			BARREMIAN	≈8.0	121.5						EARLY CRETACEOUS		
			HAUTERIVIAN	3.0	129.5								
BERRIASIAN		VALANGINIAN	≈7.5	132.5						EARLY CRETACEOUS			
		BERRIASIAN	≈5.0	140									
JURASSIC		LATE JURASSIC	TITHONIAN	7.0	145						Jurassic of Central Europe		
			KIMMERIDGIAN	5.0	152								
		UPPER JURASSIC	OXFORDIAN	6.5	157						Jurassic of Central Europe		
			CALLOVIAN	2.5	163.5								
		MIDDLE JURASSIC	BATHONIAN	2.0	166						Jurassic of Central Europe		
			BAJOC.	2.5	168								
		LOWER JURASSIC	AALENIAN	3.5	170.5						Jurassic of Central Europe		
			TOARCIAN	9.0	174								
	EARLY JURASSIC	PLIENSCHACHIAN	8.0	183						Jurassic of Central Europe			
		SINEMURIAN	8.0	183									
LOWER JURASSIC	HETTANGIAN	2.5	191						Jurassic of Central Europe				
	RHAETIAN	4	199										
TRIASSIC	LATE TRIASSIC	NORIAN	21.5	201.5						Triassic of Central Europe			
		KARNIAN	10	205.5									
	UPPER TRIASSIC	LADINIAN	5	209.5						Triassic of Central Europe			
		ANISIAN	5	210									
	MIDDLE TRIASSIC	OLENEKIAN	4	217						Triassic of Central Europe			
		INDUAN	1.5	227									
	EARLY TRIASSIC	WERRAN	1.5	237						Triassic of Central Europe			
		SCENIEN	1.5	242									
	LOWER TRIASSIC	SCENIEN	1.5	242						Triassic of Central Europe			
		SCENIEN	1.5	242									
EARLY TRIASSIC	SCENIEN	1.5	242						Triassic of Central Europe				
	SCENIEN	1.5	242										
LOWER TRIASSIC	SCENIEN	1.5	242						Triassic of Central Europe				
	SCENIEN	1.5	242										
EARLY TRIASSIC	SCENIEN	1.5	242						Triassic of Central Europe				
	SCENIEN	1.5	242										

(1) according to Stratigraphic Table of Germany 2016. (2) selected resources and reservoirs complemented according to Menning & DSK 2012: 398

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Global Stratigraphic Scale (GSS)						Regional Stratigraphic Scale (RSS)							
ERA ERATHEM	PERIOD SYSTEM	EPOCH SERIES	STAGE (AGE)	Duration Ma	Age Ma	Regional Geochronol.	Region	Lithostratigraphy (selected examples) (older \ younger)	Natural resources, deposits, reservoirs, fossils (selected examples)	Group Regional Stage	Supergroup PERIOD SYSTEM		
				STG 2016 mod.									
C O Z O I C	PERMIAN	EARLY TRIASSIC	INDUSIAN	~1.5	250	s1-s2	North Germany	Calvörde \ Bernburg Fm.		Buntsandstein	Perm. of Central Europe		
		LOPINGIAN ≈ 7.5 <i>Clarkina postbitteri postbitteri</i> (conodont)	CHANGHSING- WUCHIAPING.	~6	254	z5-7 z1-4		Ohre \ Friesland \ Fulda Fm. Werra \ Staßfurt \ Leine \ Aller Fm.		Zechstein			
			GUADALUPIAN ≈ 12.5	CAPITANIAN	~5	260	ro 3-4		Dethling \ Hannover Fm.	Elbe Subgroup		underground reservoir Lesum HB, Kiel, Heide SH, Epe NW, Rehden NI, Rüdersdorf BB	
	PERMIAN	CISURALIAN ≈ 26.5	WORDIAN	~4	265	ro 1-2		Parchim \ Mirow Fm.	Havel Subgroup				
			ROADIAN	~3.5	269								
	DEVONIAN	LATE DEVONIAN UPPER DEVONIAN	FAMENNIAN	KUNGURIAN	~11	270			Pangaea Gap		Rotliegend	Dyas	
				ARTINSKIAN	~6.5	283.5			Thüringer Wald	Saar-Nahe			
				SAKMARIAN	~5	290							
			MIDDLE DEVONIAN	ASSELIAN	~4	299							Regional Stage Series
				GZHELIAN	~5	304							
				KASIMOVIAN	~3	307							
		EARLY DEVONIAN LOWER DEVONIAN	MISSISSIPPIAN ≈ 38	MOSKOVIAN	~8	310							Carboniferous of Central Europe
				BASHKIRIAN	~8	315							
				SERPUKHOVIAN	~7	323							
			TOURNAISIAN	VEISEAN	~17	340							
Tournaisian				~14	350								
Tournaisian				~14	350								
P A L E O Z O I C	DEVONIAN	LATE DEVONIAN UPPER DEVONIAN	FAMENNIAN	15	370						DEVONIAN		
			FRASNIAN	7	376								
			GIVETIAN	5	383								
		MIDDLE DEVONIAN	EIFELIAN	4	388								
			EMSIAN	19	400								
			EMSIAN	19	400								
		EARLY DEVONIAN LOWER DEVONIAN	PRAGIAN	3	411								DEVONIAN
			LOCHKOVIAN	4	414								
			PRIDOLIAN	5	423								
	LUDLOW		LUDLOW	2	426								
			LUDLOW	2	426								
			LUDLOW	2	426								
	ORDOVICIAN	LATE ORDOVICIAN UPPER ORDOVICIAN	WENLOCK	6	431						ORDOVICIAN		
			WENLOCK	6	431								
			WENLOCK	6	431								
MIDDLE ORDOVICIAN		LLANDOVERY	10	439						SILURIAN			
		LLANDOVERY	10	439									
		LLANDOVERY	10	439									
EARLY ORDOVICIAN LOWER ORDOVICIAN		ASHGILL	14	453						ORDOVICIAN			
		ASHGILL	14	453									
		ASHGILL	14	453									
CAMBRIAN	EPOCH 2 SERIES 2	TERRENEUVIAN	~18	529						CAMBRIAN			
		TERRENEUVIAN	~18	529									
		TERRENEUVIAN	~18	529									
	MIAOLINGIAN	STAGE 4	~5	514							CAMBRIAN		
		STAGE 3	~7	521									
		STAGE 2	~8	529									
FURONGIAN	STAGE 2	~8	529						CAMBRIAN				
	STAGE 2	~8	529										
	STAGE 2	~8	529										
N E O P R O T E R O Z O I C	EDIIACARAN	TONIAN	FORTUNIAN	~10	530					EDIIACARAN			
			FORTUNIAN	~10	530								
			FORTUNIAN	~10	530								
	NEOPROTEROZOIC	EDIIACARAN	TONIAN	Stage 10	~4	485					EDIIACARAN		
				Stage 10	~4	485							
				Stage 10	~4	485							
			MIAOLINGIAN	JIANGSHANIAN	~5	494							CAMBRIAN
				JIANGSHANIAN	~5	494							
				JIANGSHANIAN	~5	494							
		FURONGIAN	PAIBIAN	~3	497						CAMBRIAN		
			PAIBIAN	~3	497								
			PAIBIAN	~3	497								
		MIAOLINGIAN	GUZHANGIAN	~4	501						CAMBRIAN		
			GUZHANGIAN	~4	501								
			GUZHANGIAN	~4	501								
FURONGIAN	DRUMIAN	~4	509						CAMBRIAN				
	DRUMIAN	~4	509										
	DRUMIAN	~4	509										
MIAOLINGIAN	WULIAN	~4	514						CAMBRIAN				
	WULIAN	~4	514										
	WULIAN	~4	514										
FURONGIAN	STAGE 4	~5	514						CAMBRIAN				
	STAGE 4	~5	514										
	STAGE 4	~5	514										
MIAOLINGIAN	STAGE 3	~7	521						CAMBRIAN				
	STAGE 3	~7	521										
	STAGE 3	~7	521										
FURONGIAN	STAGE 2	~8	529						CAMBRIAN				
	STAGE 2	~8	529										
	STAGE 2	~8	529										
NEOPROTEROZOIC	EDIIACARAN	TONIAN	Stage 10	~4	485					EDIIACARAN			
			Stage 10	~4	485								
			Stage 10	~4	485								
		MIAOLINGIAN	JIANGSHANIAN	~5	494							CAMBRIAN	
			JIANGSHANIAN	~5	494								
			JIANGSHANIAN	~5	494								
	FURONGIAN	PAIBIAN	~3	497						CAMBRIAN			
		PAIBIAN	~3	497									
		PAIBIAN	~3	497									
	MIAOLINGIAN	GUZHANGIAN	~4	501						CAMBRIAN			
		GUZHANGIAN	~4	501									
		GUZHANGIAN	~4	501									
FURONGIAN	DRUMIAN	~4	509						CAMBRIAN				
	DRUMIAN	~4	509										
	DRUMIAN	~4	509										
MIAOLINGIAN	WULIAN	~4	514						CAMBRIAN				
	WULIAN	~4	514										
	WULIAN	~4	514										
FURONGIAN	STAGE 4	~5	514						CAMBRIAN				
	STAGE 4	~5	514										
	STAGE 4	~5	514										
MIAOLINGIAN	STAGE 3	~7	521						CAMBRIAN				
	STAGE 3	~7	521										
	STAGE 3	~7	521										
FURONGIAN	STAGE 2	~8	529						CAMBRIAN				
	STAGE 2	~8	529										
	STAGE 2	~8	529										
NEOPROTEROZOIC	EDIIACARAN	TONIAN	Stage 10	~4	485					EDIIACARAN			
			Stage 10	~4	485								
			Stage 10	~4	485								
		MIAOLINGIAN	JIANGSHANIAN	~5	494							CAMBRIAN	
			JIANGSHANIAN	~5	494								
			JIANGSHANIAN	~5	494								
	FURONGIAN	PAIBIAN	~3	497						CAMBRIAN			
		PAIBIAN	~3	497									
		PAIBIAN	~3	497									
	MIAOLINGIAN	GUZHANGIAN	~4	501						CAMBRIAN			
		GUZHANGIAN	~4	501									
		GUZHANGIAN	~4	501									
FURONGIAN	DRUMIAN	~4	509						CAMBRIAN				
	DRUMIAN	~4	509										
	DRUMIAN	~4	509										
MIAOLINGIAN	WULIAN	~4	514						CAMBRIAN				
	WULIAN	~4	514										
	WULIAN	~4	514										
FURONGIAN	STAGE 4	~5	514						CAMBRIAN				
	STAGE 4	~5	514										
	STAGE 4	~5	514										
MIAOLINGIAN	STAGE 3	~7	521						CAMBRIAN				
	STAGE 3	~7	521										
	STAGE 3	~7	521										
FURONGIAN	STAGE 2	~8	529						CAMBRIAN				
	STAGE 2	~8	529										
	STAGE 2	~8	529										