

# Stratigraphic Table of Germany Compact 2022



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)	Natural resources, deposits, reservoirs, fossils	Group Regional Stage	Supergroup PERIOD SYSTEM				
	TRIAS.	EARLY TRIASSIC	INDUSIAN	~ 1.5	250	s1-s2	North Germany	Calvörde\Bernburg Fm.	potash salt and rock salt HE, NI, ST, TH, NW	Buntsandstein	Tof of C. E.				
	PERMIAN	LOPINGIAN ≈ 7.5	CHANGHSING. WUCHIAPING.	~ 6	254	vz5-7 z1-4	North Germany	Ohre\Friesland\Fulda Fm. Werra\Staufert\Leine\Aller Fm.	Cu Y	Zechstein	Perm. of Central Europe				
		GUADALUPIAN ≈ 12.5	CAPITANIAN	~ 5	260	ro3-4		Dethling\Hannover Fm. Elbe Subgroup	magmatic natural gas NI, ST	underground reservoir		Lesum HB, Kiel, Heide SH, Epe NW, Rehden NI, Rüdersdorf BB			
		Jinogondolella nankingensis (conodont)	WORDIAN	~ 4	265	ro1-2		Parchim\Mirow Fm. Havel Subgroup	Kupferschiefer ST, BB, SN, HE						
		CISURALIAN ≈ 26.5	ROADIAN	~ 3.5	269			Pangaea Gap	anhydrite, gypsum						
			KUNGURIAN	~ 11	272.5			Thüringer Wald	chiroith, sum TH, NI, HE						
			ARTINSKIAN	~ 6.5	283.5			Saar-Nahe	survey final						
		CARBONIFEROUS	Streptognathodus isolatus (conodont)	ASSELIAN	~ 4	299			North Germany	Eisenach Fm.		Quartz (Pflanz) storage	Rotliegend	Perm. of Central Europe	
				GZHELIAN	~ 5	304			North Germany	Mürzt Subgroup		magmatic rocks (gravel, grit)			
				KASIMOVIAN	~ 3	307			North Germany	Altmark Sgr.		oil MV, BB			
			PENNSYLVANIAN ≈ 24	MOSKOVIAN	~ 8	315			North Germany	Tamb./Rotter/Oberh./Gold./Maneb./Ilmen./Möhrenb./Georgenh.		Kupferschiefer RP, TH, ST, SN, BY			
	BASHKIRIAN			~ 8	323		North Germany	Eisenach Fm.	anhydrite, gypsum						
	SERPUKHOVIAN			~ 7	330		North Germany	Mürzt Subgroup	chiroith, sum TH, NI, HE						
	MISSISSIPPIAN ≈ 38		WISEAN	~ 17	340		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			TOURNAISIAN	~ 14	350		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	Quartz (Pflanz) storage						
			Emsian	~ 19	400		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
	DEVONIAN		LATE DEVONIAN UPPER DEVONIAN	FAMENNIAN	15	370		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH		Carboniferous of Central Europe			
		FRASNIAN		7	383		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		MIDDLE DEVONIAN	GIVETIAN	5	388		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			EIFELIAN	4	392		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		EARLY DEVONIAN LOWER DEVONIAN	EMSIAN	~ 19	400		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			PRAGIAN	~ 3	411		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		SILURIAN	PRIDOLI	5	420		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH		DEVONIAN				
			LUDLOW	5	423		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			WENLOCK	6	431		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			LLANDOVERY	AERONIAN	~ 2	439		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH					
	RHUDDANIAN			~ 3	441		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
	LATE ORDOVICIAN UPPER ORDOVICIAN		KATIAN	7	446		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			SANDBIAN	5	453		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
	MIDDLE ORDOVICIAN		DARRIWILIAN	9	467		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			DAPINGIAN	3	470		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
	EARLY ORDOVICIAN LOWER ORDOVICIAN		FLOIAN	7	477		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		TREMADOCIAN	8	485		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH							
	CAMBRIAN	FURONGIAN ≈ 12	JIANGSHANIAN	~ 5	489		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH		DEVONIAN				
			PAIBIAN	~ 3	494		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		MIAOLINGIAN ≈ 12	GUZHANGIAN	~ 4	501		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			DRUMIAN	~ 4	505		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		EPOCH 2 SERIES 2 ≈ 12	WULIAN	~ 4	509		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			STAGE 4	~ 5	514		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		TERRENEUVIAN ≈ 18	STAGE 3	~ 7	521		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			STAGE 2	~ 8	529		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
		TONIAN	FORTUNIAN	~ 10	539		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
			TONIAN	~ 10	541		North Germany	Thür., Oberfranken (Culm-Greywacke)\Bordenschiefer (Dachschiefer)	coarse TH						
NEOPROTEROZOIC	EDIIACARAN	TONIAN	partly younger and older partly older			Ag - silver, Ba - baryte, F - fluorite, Fe - iron, Pb - lead, Sn - tin, U - uranium, Zn - zinc			Resources, deposits: The age of the reservoir/host rock is shown			CRYOG.			
			BB - Brandenburg, BW - Baden-Württemberg, BY - Bavaria, HB - Bremen, HE - Hesse, HH - Hamburg, MV - Mecklenburg-Vorpommern, NI - Lower Saxony, NW - North Rhine-Westphalia, RP - Rhineland-Palatinate, SH - Schleswig-Holstein, SL - The Saar, SN - Saxony, ST - Sachsen-Anhalt, TH - Thuringia			Scale changeover			Kalk - lime(stone), Keratophyr - keratophyre, Mergel - marl, Quarzit - quartzite, Schiefer - shale/slate				Fm. - Formation, Ig. - Interglacial, Gl. - Glacial, Sgr. - Subgroup, Gr. - Group, Sst./sst. - Sandstone, H. - Horizon		
			GSSP (Global Stratotype Section and Point), GSSA (Global Standard Stratigraphic Age)			Resources, deposits: The age of the reservoir/host rock is shown			Sponsored by: GFZ, DGGV, SENCKENBERG world of biodiversity						
			Citation: GERMAN STRATIGRAPHIC COMMISSION (ed.; editing, coordination and layout: M. MENNING & A. HENDRICH) (2022): Stratigraphic Table of Germany Compact 2022 (STGC 2022); Potsdam (GFZ).												