

Bibliografi

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For de av leserne som ønsker å få vite mer om Norges geologi – og om geologi generelt – gis det nedenfor et utvalg av referanser. Referansene er organisert kapittelvis, eller gruppevis, og begynner med Kapittel 1 og 2. Felles referanselister er gitt for kapitler med samme hovedtema, for eksempel kapitlene som spesielt omhandler kontinentalsokkelen (Kapittel 10 – 14).

Plassen tillater selvsagt ikke fullstendig referanseliste over alle de temaene som er omhandlet i boka. Forfattere og redaktører har derfor valgt å ta med en del eldre, «klassisk» litteratur og viktige norske lærebøker, men i hovedsak inkludert nøkkelreferanser og nyere artikler, slik at man kan lete seg bakover ved hjelp av disse. Ikke alle referansene er like lette å få tak i og leserne anbefales derfor å kontakte lokale bibliotek for nødvendig assistanse. Det er også gitt en del nyttige nettsider som vil kunne være til god hjelp.

Nettsider

CICERO Senter for klimaforskning: <http://www.cicero.uio.no/home/>
Gea Norvegica Geopark: www.geoparken.no
GEO365 Nettavis for geomiljøet: www.geo365.no
International Commision on Stratigraphy: <http://www.stratigraphy.org/index.php/ics-chart-timescale>
Kullerud, K. webGeology : <http://www.ig.uit.no/webgeology/>
Magma Geopark: www.magmaopark.com
Norges Geologiske Undersøkelse (NGU): www.ngu.no
Norges Geotekniske Institutt (NGI): www.ngi.no
Norsk Geologisk Forening (NGF): www.geologi.no
Norsk institutt for naturforskning (NINA): www.nina.no
Norsk Polarinstitutt: www.npolar.no
Norske Amatørgologers sammenslutning (NAGS): www.nags.net
Oljedirektoratet: www.npd.no
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Kapittel 15 og 16

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Forkortelser:

AmS – Arkeologisk museum i Stavanger
CMR – Christian Michelsen Research
GSC – Geological Survey of Canada
IKU – Institutt for kontinentaksokkelundersøkelser (Nå: SINTEF Petroleumsforskning)
IRIS – International Research Institute of Stavanger
NBV – Norsk Bergverksmuseum
NFR – Norges Forskningsråd
NGI – Norges Geotekniske Institutt
NGU – Norges geologiske undersøkelse
NHM – Naturhistorisk museum, Oslo
NPI – Norsk Polarinstittutt
NTNU – Norges Teknisk-Naturvitenskapelige Universitet
OD – Oljedirektoratet
UiB – Universitetet i Bergen
UiO – Universitetet i Oslo
UiTø – Universitetet i Tromsø
UMB – Univ. for miljø og biovitenskap, Ås
USGS – US Geological Survey

Geologisk tidsskala (GTS 2013)

Eonem / Era	System / Periode	Serie / Epoke	Etasje / Alder	Numerisk alder (m.a.)
Fanerzoikum	Kvartær	Holocen	Øvre	0,0117
			Midtre	0,126
	Pleistocen		Calabria	0,781
			Gela	1,806
	Pliocen		Piacenza	2,588
			Zandc	3,600
			Messina	5,333
	Miocen		Tortona	7,246
			Serravalle	11,62
			Langhe	13,82
			Burdigala	15,97
			Aquitain	20,44
	Oligocen		Chatt	23,03
			Rupel	28,1
		Priabona	33,9	
		Barton	38,0	
Eocen		Luteitia	41,3	
		Ypres	47,8	
		Thanet	56,0	
Paleocen		Sjælland	59,2	
		Dan	61,6	
Mesozoikum	Kritt		Maastricht	72,1 ±0,2
			Campan	83,6 ±0,2
			Santon	86,9 ±0,5
			Coniac	89,8 ±0,3
			Turon	93,9
	Øvre		Cenoman	100,5
			Alba	-113,0
			Apt	-125,0
			Barrem	-129,4
			Hauteriv	-132,9
Undre		Valangin	-139,8	
		Berrias	-145,0	



Oversettelsen til norsk er foretatt av redaksjonen for «Landet Bli'r Til», i samarbeid med nøkkelpersoner bl.a. I.NGU, OD og NPI samt Språkrådet (ved Matt Hovdenak) og Norsk stratigrafisk komite (NSK).

Eonem / Era	System / Periode	Serie / Epoke	Etasje / Alder	Numerisk alder (m.a.)
Fanerzoikum	Mesozoikum	Jura	Øvre	152,1 ±0,9
				157,3 ±1,0
				163,5 ±1,0
		Midtre		168,1 ±1,2
				170,3 ±1,4
	Undre		174,1 ±1,0	
			182,7 ±0,7	
			190,8 ±1,0	
	Trias		199,3 ±0,3	
			201,3 ±0,2	
			-208,5	
		Øvre		-227
				-237
				-242
Midtre			247,2	
		251,2		
		252,17 ±0,06		
Undre		254,14 ±0,07		
		259,8 ±0,4		
		265,3 ±0,4		
Perm		268,8 ±0,5		
		272,3 ±0,5		
		283,5 ±0,6		
		290,1 ±0,26		
		295,0 ±0,18		
Paleozoikum	Cisural		296,9 ±0,15	
			303,7 ±0,1	
			307,0 ±0,1	
	Øvre		315,2 ±0,2	
			323,2 ±0,4	
	Midtre		330,9 ±0,2	
			346,7 ±0,4	
	Undre		358,9 ±0,4	
			367,3 ±1,1	
			470,0 ±1,4	

NSK har godkjent oversettelsen som norsk standard. Oversettelsen er videre godkjent av Den internasjonale stratigrafiske kommisjon (ICS), den form den foreligger her.

Eonem / Era	System / Periode	Serie / Epoke	Etasje / Alder	Numerisk alder (m.a.)
Fanerzoikum	Paleozoikum	Kambrium	Fortune	541,0 ±1,0
				477,7 ±1,4
				467,3 ±1,1
		Midtre		458,4 ±0,9
				453,0 ±0,7
	Øvre		445,2 ±1,4	
			443,4 ±1,5	
			440,8 ±1,2	
	Ordovicium		438,5 ±1,1	
			433,4 ±0,8	
			427,4 ±0,5	
			425,6 ±0,9	
			423,0 ±2,3	
	Silur	Undre		419,2 ±3,2
			410,8 ±2,8	
			407,6 ±2,6	
Midtre			398,3 ±1,2	
			387,7 ±0,8	
Øvre			382,7 ±1,6	
			372,2 ±1,6	
			358,9 ±0,4	

Eonem / Era	System / Periode	Serie / Epoke	Etasje / Alder	Numerisk alder (m.a.)
Prekambrium	Arkeikum	Eo- arkeikum		~4600
				4000
				3600
		Paleo- arkeikum		3200
				2800
	Meso- arkeikum		2500	
			2300	
			2050	
	Neo- arkeikum	Paleo- proterozoikum		1800
				1600
				1400
		Meso- proterozoikum		1200
				1000
				850
Neo- proterozoikum		635		
		541,0 ±1,0		
		-635		

Det pågår nå en prosess der de nedre grensene for alle enhetene i tabellen er i samsvar med Global Boundary Stratotype Section and Point (GSSP). GSSP er et internasjonalt standardisert system for å definere geologiske tidspunkter. GSSP er etablert i samarbeid med International Commission on Stratigraphy (ICS). Tabeller og detalert informasjon om stratigrafiske aldre er tilgjengelig på websiden <http://www.stratigraphy.org>. Denne tabellens URL finnes nedenfor.

Numeriske aldre underkastet revisjon og definerer ikke enheter i prekambrium. Numeriske aldre for prekambrium er hentet fra 'A Geological Time Scale 2012' av Gradstein et al. (2012), mens de fra perm til kritt er fremskaffet av de relevante underkomiteer i ICS.



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<http://www.stratigraphy.org/ICSchart/ChronostratChart2013-01 Norwegian.pdf>