

20418 Processos sedimentaris.

Programa (2006)

1. Sedimentació i Factors de control 1: Aport Sedimentari
2. Sedimentació i Factors de control 2: Clima
3. Sedimentació i Factors de control 3: Tectònica
4. Sedimentació i Factors de control 4: Nivell del mar
5. Sedimentació i Factors de control 5: Cicles de Milankovitch
6. Ordres de ciclicitat
7. Estratigrafia Sequencial: Conceptes
8. Seqüència deposicional
9. Prisma de nivell baix
10. Fluxes gravitatius i Estratigrafia Sequencial
11. Prisma transgressiu
12. Prisma de nivell alt
13. Prisma de vora de plataforma
14. Efectes de la subsidència en seqüències deposicionals
15. Seqüències continentals
16. Cicles d'alta freqüència
17. Cicles orbitals i climàtics (Milankovitch).
18. Períodes glacials/no glacials.
19. Events Anòxics Oceànics
20. Fenòmens Naturals que influeixen en el Clima I: OID (Dipol Oceà Indic),
21. Fenòmens Naturals que influeixen en el Clima II: PDO (Oscil.lació Decadal del Pacífic),
22. Fenòmens Naturals que influeixen en el Clima III: ENSO (El Niño/La Niña),
23. Fenòmens Naturals que influeixen en el Clima IV: NAO (Oscil.lació de l'Atlàntic Nord), AO (Oscil.lació de l'Àrtic),
24. Fenòmens Naturals que influeixen en el Clima V: Cicles d'Activitat Solar, Altres

Bibliografia (la majoria és a la biblioteca de Ciències)

Emery & Myers (1996) Sequence Stratigraphy. Blackwell Science

Haq, Hardenbol & Vail (1987) Chronology Of Fluctuating Sea Levels Since The Triassic. Science 235: 1156-1166

Howell (1996) High-resolution sequence stratigraphy: Innovation and applications. Geological Society

Miall (1996) The geology of Stratigraphic sequences, Springer

Payton (1977) Seismic Stratigraphy: Applications To Hydrocarbon Exploration. AAPG Mem. 26

Trabant, Vail (1996) Seismic Sequence Stratigraphy. Springer

Uriarte, A.(2003) Historia del Clima en la Tierra. Serv. Central Publ. Gobierno Vasco. 306 pp

Van Wagoner & Bertran (1995) Sequence Stratigraphy Of Foreland Basin Deposits. AAPG Mem. 64

Wilgus et al. (1988) Sea Level Changes: An Integrated Approach. SEPM Sp Publ. 42

Van Wagoner, Mitchum, Campion & Rahmaniann (1990) Siliciclastic Sequence Stratigraphy In Well Logs, Cores and Outcrops. AAPG Met In Exploration, 7

Adreces Web

▼ Sequencial	9 elementos
📖 An Online Guide to Sequence Stratigraphy	http://www.uga.edu/~strata/sequence/seqStrat.html
🌐 USC Sequence Stratigraphy Web	http://strata.geol.sc.edu/
🌐 Sequence stratigraphy page 1	http://www.aseg.org.au/publications/Mul/ss1.htm
🌐 Online–Course Stratigraphy	http://www.geologie.uni-stuttgart...rse/NewFiles/Lecture3_Inhalt.html
🌐 Heller Home Page	http://faculty.gg.uwyo.edu/heller/
🌐 C3D_main	http://www.gl.rhbc.ac.uk/sedtec/Georg/New_Website/C3D_main.htm
🌐 Sequence Stratigraphy	http://www.chronos.org/ed/resources/sequence-stratigraphy2.html
🌐 Geocomplexity	http://www.geocomplexity.com/
🌐 Clastic Sedim and Seq Strat	http://www.uic.edu/classes/geol/eaes455/
▼ Milankovitch	6 elementos
🌐 Milankovitch Cycles in Paleoclimate	http://deschutes.gso.uri.edu/~rutherfo/milankovitch.html
📖 Astronomical Theory Of...planation For Ice Age	http://www.lbl.gov/Science-Articles/Archive/ice-age-sediments.html
📖 NORRIS.AGU.CHR.html	http://www-odp.tamu.edu/~klaus...BLICATIONS/NORRIS.AGU.CHR.html
🌐 WorkPage: World Locator for New Research	http://www.best.com/~workline/f/42/064f.htm
🌐 Milankovitch theory and Global Change	http://gly.fsu.edu/~kish/dynamic/global/LAS.htm
🌐 Milankovitch Cycles	http://www.homepage.montana.edu...5/hyperglac/time1/milankov.htm
▼ El Niño	6 elementos
🌐 IRI Net Assessment Forecasts, most recent	http://iri.columbia.edu/climate/forecast/net_asmt/
🌐 El-Nino Southern Oscillation (ENSO)	http://www.vision.net.au/~daly/elnino.htm
🌐 Solar Activity controls El Niño and La Niña	http://www.vision.net.au/~daly/sun-enso/sun-enso.htm
🌐 Solar Activity: A Domi...r in Climate Dynamics	http://www.vision.net.au/~daly/solar/solar.htm
🌐 El Nino Home Page – USGS	http://walrus.wr.usgs.gov/elnino/
🌐 Online Science Resourc...cator Results: El Niño	http://marine.usgs.gov/cgi-bin/lo...cted_region=n&selected_content=n

Clima i glaciacions

🌐 Climate Change and Var...on Mechanisms and E...	http://www.colby.edu/sts/st215/6.2view/sld001.htm
📖 Paleoclimatology Slide Sets	http://www.ngdc.noaa.gov/paleo/slides/slideset/
🌐 isostasie glaciaire	http://www-geol.unine.ch/cours/geol/isostasie_glaciaire.htm
🌐 glaciacions	http://www-geol.unine.ch/cours/geol/glaciacions.htm
📖 Charlotte the Vermont W...rs and the Glacial Ages	http://www.uvm.edu/whale//GlaciersGlacialAges.html
🌐 Glacial Geology at the University of Cincinnati	http://tv11.geo.uc.edu/ice/glacier.html
🌐 Glaciers and Past Glaciacions	http://www.luau.ucsd.edu/es10/lectures/lecture19/lecture17.html
🌐 Glaciers -- Illinois State Museum	http://museum.state.il.us/exhibits/larson/glaciers.html
🌐 Past Environments -- Illinois State Museum	http://museum.state.il.us/exhibits/larson/environments.html
🌐 QTVR of New Zealand Glaciers 1999	http://tv11.geo.uc.edu/ice/Image/vr/NZpan/NZpan.html
🌐 Air Photo Views of the E...cts of The Iceland Flood	http://tv11.geo.uc.edu/ice/Image/Flood/flood1.html
🌐 Glaciacions dans les Alpes	http://www.geol-alpes.com/alpes_francaises/alpes_glaciation.html
🌐 glaciacions	http://la.climatologie.free.fr/glaciation/glaciation.htm
🌐 effet-volcans	http://la.climatologie.free.fr/volcan/effetvolcan.htm
🌐 soleil	http://la.climatologie.free.fr/soleil/soleil.htm
🌐 les phénomènes climatiques	http://la.climatologie.free.fr/phenomene-climat/phenoclimatique.htm
🌐 Climate Prediction Center	http://www.cpc.ncep.noaa.gov/