

# 20418 Processos sedimentaris.

## Programa (2007)

1. Sedimentació i Clima
2. Cicles i Ordres de ciclicitat
3. Moviments de la Terra
4. Generalitats sobre cicles orbitals
5. Cicles orbitals
6. Activitat Solar
7. Introducció a les Edats del Gel
8. Precambrià
9. Ordovicià
10. Permo-Trias
11. Glaciacions quaternàries
12. Terra hivernacle 100 Ma
13. Events anòxics
14. Dinàmica Oceà-Clima al Cretaci.
15. Fenòmens Naturals que influeixen en el Clima I: OID (Dipol Oceà Indic),
16. Fenòmens Naturals que influeixen en el Clima II: PDO (Oscil.lació Decadal del Pacífic),
17. Fenòmens Naturals que influeixen en el Clima III: ENSO (El Niño/La Niña),
18. Fenòmens Naturals que influeixen en el Clima IV: NAO (Oscil.lació de l'Atlàntic Nord), AO (Oscil.lació de l'Àrtic),
19. Seqüències Deposicionals
20. Fàcies Genètiques de Events catastròfics
21. Sistemes Turbidítics

## 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

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

## Clima i glaciacions

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