1. Record Nr. UNISA996202022803316

Titolo	Sedimentation, tectonics, and eustasy : sea-level changes at active margins / / edited by David I.M. Macdonald
Pubbl/distr/stampa	Oxford, [England] : , : Blackwell Scientific Publications, , 1991 ©1991
ISBN	1-282-17155-0 9786612171550 1-4443-0389-9 1-4443-0390-2
Descrizione fisica	1 online resource (533 p.)
Collana	Special publication number 12 of the International Association of Sedimentologists
Disciplina	551.3/03 551.303 551.304
Soggetti	Sedimentation and deposition Geology, Stratigraphic Geology, Structural Plate tectonics Sea level
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Sedimentation, Tectonics and Eustasy; Contents; Preface; Models and Tests of Sea-Level Change; Sequence stratigraphy, sea-level change, and significance for the deep sea; Application of global sea-level and sequence-stratigraphic models in Southern Hemisphere Neogene strata from New Zealand; Rates, Magnitudes and Processes of Sea-Level Change; High-level marine terraces in western and southern New Zealand: indicators of the tectonic tempo of an active continental margin Rates and magnitudes of late Cenozoic vertical movements in the Indonesian Banda Arc and the distinction of eustatic effectsDepositional architecture of Quaternary fan-delta deposits of the Andean fore-arc:

relative sea-level changes as a response to aseismic ridge subduction; Volcano-tectonic control of offshore to tidal-flat regressive cycles from the Dunquin Group (Silurian) of southwest Ireland; Neogene-Recent Margins; Sea-level changes and sedimentary evolution during the Quaternary in the northwest Aegean continental margin, Greece
Sequence stratigraphy on the shelf and upper slope in response to the latest Pleistocene-Holocene sea-level changes off Sendai, northeast JapanInterplay between arc tectonics and sea-level changes as revealed by sedimentation patterns in the Aleutians; Neogene interaction of tectonic and glacial processes at the Pacific margin of the Antarctic Peninsula; Ancient Arc and Transform Margins; Relative importance of regional tectonics and eustasy for the Mesozoic of the Andes; Cyclic sedimentation in three Neogene basins in California
Anatomy of an evolving island arc: tectonic and eustatic control in the south Central American fore-arc areaDepositional sequences and sequence boundaries in fore-arc coastal embayments: case histories from Central America; Depositional sequences associated with equilibrium coastlines in the Neogene of south-western Nicaragua; Response of deep-water fore-arc systems to sea-level changes, tectonic activity and volcaniclastic input in Central America; The role of tectonics and eustasy in the evolution of a marginal basin: Cretaceous-Tertiary Larsen Basin, Antarctica
The role of eustasy in the development of a regional shallowing event in a tectonically active basin: Fossil Bluff Group (Jurassic-Cretaceous), Alexander Island, AntarcticaThe role of local tectonics versus global sea-level change in the Neogene evolution of the Cyprus active margin; Foreland, Foredeep and Cratonic Basins; Miocene depositional sequences within a tectonically controlled transgressive-regressive cycle; Carbonate-siliciclastic depositional systems in the Paleogene of the South Pyrenean foreland basin: a sequence-stratigraphic approach
High-frequency relative sea-level oscillations in Upper Cretaceous shelf clastics of the Alberta foreland basin: possible evidence for a glacio-eustatic control?

Sommario/riassunto

Three major themes are covered: the mechanics of relative sea-level change at active plate margins; the interaction of eustatic and tectonic processes at modern margins; and recognition of the products in the sedimentary record and criteria for distinguishing global eustatic from seismic effects.