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Nota di contenuto	Carbonate Cementation in Sandstones; Contents; Preface; Carbonate cementation in sandstones: distribution patterns and geochemical evolution; Origin and spatial distribution of early vadose and phreatic calcite cements in the Zia Formation, Albuquerque Basin, New Mexico, USA; Carbonate diagenesis and porosity evolution in sheet-flood sandstones: evidence from the Middle and Lower Lunde Members (Triassic) in the Snorre Field, Norwegian North Sea; Carbonate diagenesis in non-marine foreland sandstones at the western edge of the Alleghanian overthrust belt, southern Appalachians Palaeogeographical, palaeoclimatic and burial history controls on the diagenetic evolution of reservoir sandstones: evidence from the Lower Cretaceous Serraria sandstones in the Sergipe-Alagoas Basin, NE BrazilCarbonate cements in the Tertiary sandstones of the Swiss Molasse basin: relevance to palaeohydrodynamic reconstruction; Carbonate cement in the Triassic Chaunoy Formation of the Paris Basin: distribution and effect on flow properties; Calcite cement in shallow marine sandstones: growth mechanisms and geometry

Origin of low-permeability calcite-cemented lenses in shallow marine sandstones and CaCO3 cementation mechanisms: an example from the Lower Jurassic Luxemburg Sandstone, LuxemburgGeochemical history of calcite precipitation in Tertiary sandstones, northern Apennines, Italy; Diagenetic evolution of synorogenic hybrid and lithic arenites (Miocene), northern Apennines, Italy; Carbonate cementation in Tertiary sandstones, San Joaquin basin, California
Carbonate cementation in the Middle Jurassic Oseberg reservoir sandstone, Oseberg field, Norway: a case of deep burial-high temperature poikilotopic calciteOrigin and timing of carbonate cementation of the Namorado Sandstone (Cretaceous), Albacora Field, Brazil: implications for oil recovery; Structural controls on seismic-scale carbonate cementation in hydrocarbon-bearing Jurassic fluvial and marine sandstones from Australia: a comparison
Carbonate cementation-the key to reservoir properties of four sandstone levels (Cretaceous) in the Hibernia Oilfield, Jeanne d'Arc Basin, Newfoundland, CanadaThe significance of 13C of carbonate cements in reservoir sandstones: a regional perspective from the Jurassic of the northern North Sea; Origin and significance of fracture-related dolomite in porous sandstones: an example from the Carboniferous of County Antrim, Northern Ireland; Saddle (baroque) dolomite in carbonates and sandstones: a reappraisal of a burial-diagenetic concept
Application of quantitative back-scattered electron image analysis in isotope interpretation of siderite cement: Tirrawarra Sandstone, Cooper basin, Australia

Sommario/riassunto

Carbonate cements are very common and abundant in clastic sequences. They profoundly influence the quality of hydrocarbon reservoirs and supply important information on palaeoenvironments and the chemical composition and flow patterns of fluids in sedimentary basins. Despite this importance, their distribution patterns in time and space and their geochemical evolution are not yet deeply explored and elucidated. This Special Publication contains 21 review papers and case studies on carbonate cementation in clastic sequences written by invited specialists on the subject. These papers present a w