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Nota di contenuto	Predicting discharge and sediment flux of the Po River, Italy since the Last Glacial MaximumALBERT J. KETTNER and JAMES P.M. SYVITSKIImpact of discharge, sediment flux and sea-level change on stratigraphic architecture of river-delta-shelf systemsGEORGE POSTMA and AART PETER VAN DEN BERG VAN SAPAROEAA; Grain-size sorting of river-shelf-slope sediments during glacial-interglacial cycles: modelling grain-size distribution and interconnectedness of coarse-grained bodiesXANDER D. MEIJER Modelling the preservation of sedimentary deposits on passive continental margins during glacial-interglacial cyclesXANDER D. MEIJER, GEORGE POSTMA, PETER A. BURROUGH and POPPE L. DE BOERModelling source-rock distribution and quality variations: the

organic facies modelling approach UTE MANN and JANINE ZWEIGEL 1;
Spatial data templates: combining simple models of physical processes
with stochastic noise to yield stable, archetypal landforms PETER A.
BURROUGH 1; Models that talk back JOHN C. TIPPER; Index

Sommario/riassunto

Understanding basin-fill evolution and the origin of stratal architectures has traditionally been based on studies of outcrops, well and seismic data, studies of and inferences on qualitative geological processes, and to a lesser extent based on quantitative observations of modern and ancient sedimentary environments. Insight gained on the basis of these studies can increasingly be tested and extended through the application of numerical and analogue forward models. Present-day stratigraphic forward modelling follows two principle lines: 1) the deterministic process-based approach, ideally w
