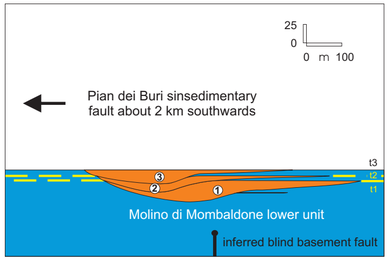
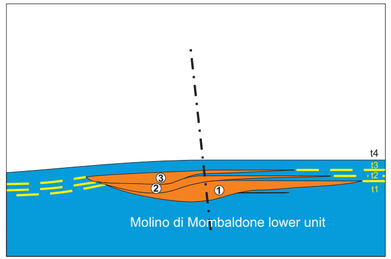
PLATE II

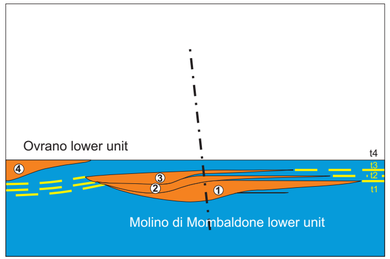
SEDIMENTARY EVOLUTION OF THE ROCCHETTA FORMATION PRODELTA SLOPE DEPOSITS IN THE OVRANO - MOLINO DI MOMBALDONE AREA



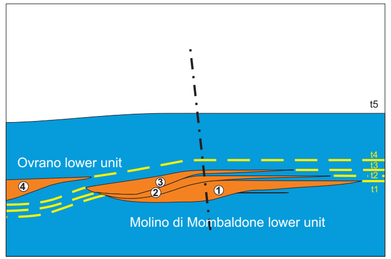
a) Deposition of Molino di Mombaldone Channel Complex (Channels 1, 2 , 3)



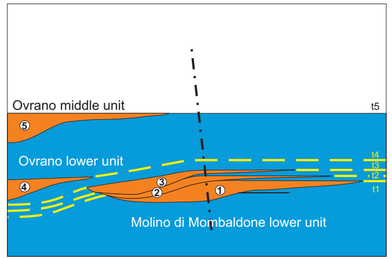
b) Slope aggradation - Initial monocline folding and creation of a slight topographic depression on the southern fold limb



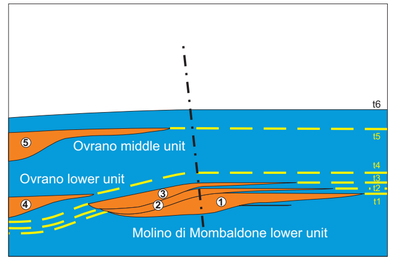
c) Erosion, bypass and backfilling of unit 4 - Seafloor levelling



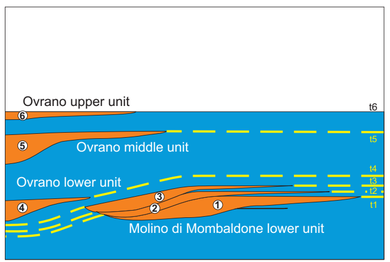
d) Slope aggradation - Progressive folding - Seafloor depression on the southern fold limb



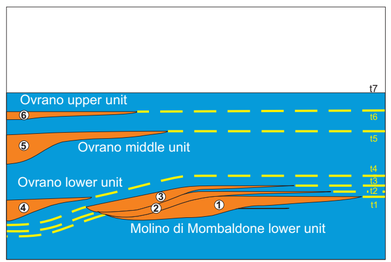
e) Erosion, bypass and backfilling of unit 5 - Seafloor levelling



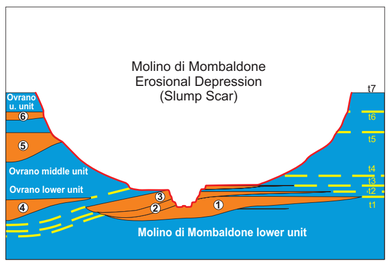
f) Slope aggradation - Progressive folding - Seafloor depression on the southern fold limb



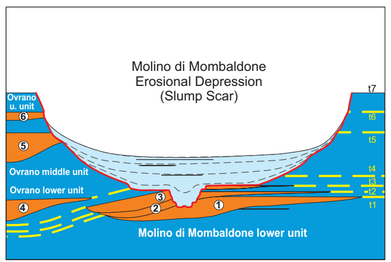
g) Erosion, bypass and backfilling of unit 6 - Seafloor levelling



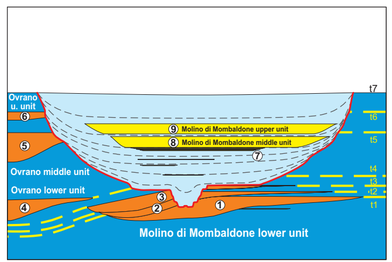
h) End of deformation - Slope aggradation



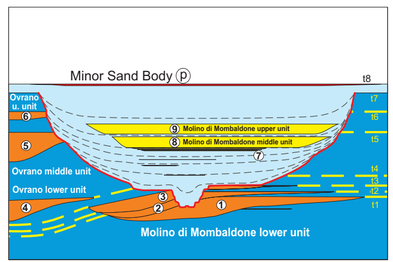
i) Slump scar evacuation and subsequent erosional modification (canyon/slope valley stage) - Note the terraced erosional talweg



j) Initial slump scar fill by draping siltstones and subordinate very fine-grained sandstones



k) Final slump scar fill by confined-channelized units 7, 8 and 9



l) Slope aggradation - Depositon of minor sand body p (key horizon)

Prodelta-slope siltstones pre-dating the Molino di Mombaldone erosional depression

Prodelta slope channelized and confined sandstones

Infill of the Molino di Mombaldone Erosional Depression: draping siltstones

Infill of the Molino di Mombaldone Erosional Depression: confined sandstone bodies

Key horizon

t1 Time lines