

La sédimentation quaternaire récente dans le détroit de Makassar (Indonésie)



Corings have been obtained during the Misedor Cruise in the Strait of Makassar (Indonesia). Previous works showed that Recent Quaternary sediments originated from Kalimantan and Sulawesi. These deposits are associated either with settling processes or with paleogeographic events related to eustatic variations. At low sea level, gravity flow from Kalimantan supply deep-sea zones where deposits are arranged locally in stratodecreasing successions. During the rise of the sea level, inputs change both qualitatively and quantitatively. In addition to river-borne inputs (Mahakam), one can observe reworked sediments originating from the continental shelf in the course of its immersion. At high sea level (Holocene) inputs issued from Kalimantan contribute to the building of the Mahakam delta. Most of the deposits occurring in the ocean deeps and on the continental rise derive from the Sulawesi margin.

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