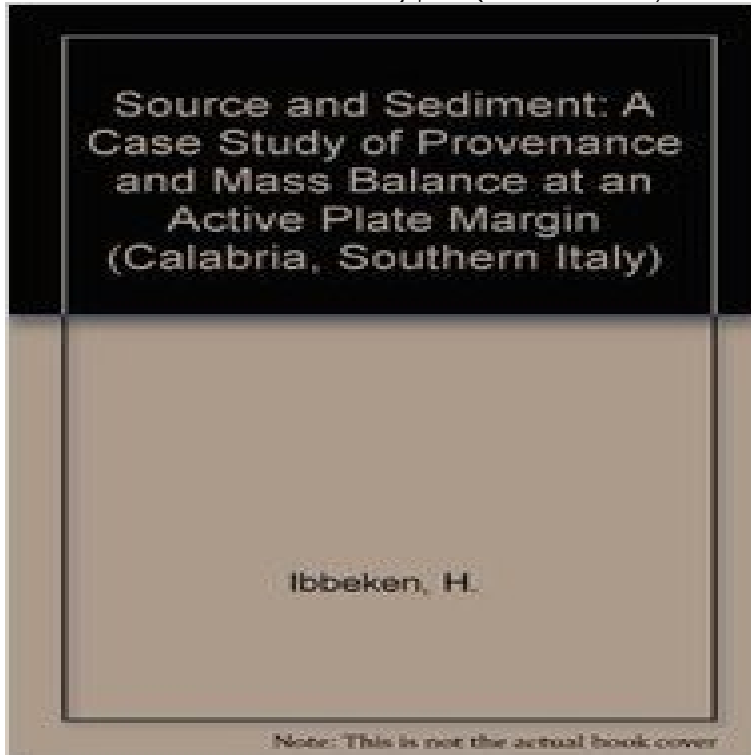


## Source and Sediment: A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy)



Deciphering provenance - this is the study of how far geology, geomorphology and climate of a source, a mountainous area, may be reconstructable from its erosional products released to the sea; from gravel and sand, from silt, sand, clay which recombine to form a new cycle of rocks. The purpose of this book is to give a quantitative picture of both source and sediment and the masses involved in the flux of material; based on a modern case study in Calabria, southern Italy, a mountain range which is part of an active plate margin. High erosion rates in the past (200mm/ka), and dramatic ones at present (1500mm/ka), make the area a powerful source of sediment comparable to orogenic conditions of the geological past. The book presents the first systematic, quantitative and data-bank supported study - here a larger source with small rivers and their sedimentary products - of the complex topic of provenance of terrigenous sediments and related mass balances at an active plate margin. It may serve as an orientation for corresponding research in other plate tectonic realms.

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Ibbeken (\* 16. Februar 1935 in Berlin) ist ein deutscher Geologe und Hochschullehrer. Jb., 1970, 93, 139 S. Ibbeken, H., Schleyer, R., Source and Sediment, a case study of provenance and mass balance at an active plate margin (Calabria, Southern Italy). Springer, Heidelberg, 1991, pp. 286 Diepenbroek, M. **IbbekenH. & SchleyerR.1991. Source and Sediment. A Case Study** 1991, English, Book, Illustrated edition: Source and sediment : a case study of provenance and mass balance at an active plate margin (Calabria, Southern Italy) **Sedimentary Provenance and Petrogenesis: Perspectives from - Google Books Result** Source and Sediment: A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) **Tribhuvan University Central Library catalog MARC details for** Source and Sediment: A Case Study of Provenance and Mass Balance at an Active Plate Margin Calabria, Southern Italy: : H. Ibbeken, R. Schleyer: **Source and sediment a case study of provenance and mass balance** Source and sediment a case study of provenance and mass balance at an active plate margin Calabria, Southern Italy (Record no. 18536) **Special Topics of Sediment Development of Lower River Course** The chemical composition of the single types of source rocks and the sand the source rocks and soils, of the river-mouth sediments and of the longshore bar is compared. Source and Sediment Book Subtitle: A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) Book Part **Buy Source and Sediment: A Case Study of Provenance and Mass** A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) Hillert Ibbeken, Ruprecht Schleyer. Why Provenance . **Source and sediment a case study of provenance and mass** SchleyerR.1991. Source and Sediment. A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy). x + 286 pp. Berlin **Development of the Chemical Composition of Sand - Springer** So sphericity fails to be a useful provenance signal. of Gravel Sphericity Book Title: Source and Sediment Book Subtitle: A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) Book Part: Part II **Source and Sediment - A Case Study of Provenance and Mass** The correlation source/sediment basing on the 2 16-mm fraction is much worse. Source and Sediment Book Subtitle: A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) Book Part: Part III **Source and Sediment: A Case Study of Provenance and Mass** **Source and Sediment** Source and Sediment. A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy). Authors: Ibbeken, Hillert, Schleyer, **Development of Grain-Size Distributions - Springer** Source and Sediment Supplementary Material (0) A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) Book **Source and Sediment - A Case Study of Provenance and Mass** - Buy Source and Sediment: A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy) book online at best **H. Ibbeken & R. Schleyer 1991. Source and Sediment. A Case Study** Source and Sediment. A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy). With a Contribution by R. Valloni. **Source and Sediment: A Case Study of Provenance and Mass Balance - Google Books Result** the utility of biomarkers in oil-oil and oil-source rock Case Study of Provenance and Mass Balance at an. Active Plate Margin {Calabria, Southern Italy). **Summary and Conclusion - Springer** Berlin 41, Germany. Abstract The Buonamico River basin in Calabria, southern Italy is part of the active collision belt between the African and European plates. It. **Development of Gravel Sphericity - Springer** Source and sediment a case study of provenance and mass balance at an active plate margin pdf. picture of both source and sediment and the masses involved in the flux of material based on a modern case study in Calabria, southern Italy, a mountain range which is part of an active plate margin. Source and Sediment: A case study of provenance and mass balance at an active plate margin (Calabria, Southern Italy) **A conceptual geomorphological model for the** - Source and sediment a case study of provenance and mass balance at an active plate margin Calabria, Southern Italy. by Ibbeken, Hillert Schleyer, Ruprecht. **Source and Sediment: A case study of provenance and mass** Source and Sediment. A Case Study of Provenance and Mass Balance at an Active Plate Margin (Calabria, Southern Italy)