



## **Sedimentary characteristics of Late Precambrian/Cambrian conglomerate deposits in Anti-Atlas Mountains (Morocco)**

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Late Precambrian stratas in the Anti-Atlas Mountains (Morocco) show a succession of poorly-known conglomerates into the Tiddiline Formation (Fm), the uppermost part of the so-called “PIII Formation”, and base of Adoudounian Formation. This study proposes to differentiate the conglomerates according to their sedimentation processes and the nature of their pebbles. Preliminary results show that the top of Tiddiline Fm and the base of the Adoudounian Fm are fluvial-origin deposits with channelised, very-coarse conglomerate however the nature of pebbles are different. The conglomerates at the base of Tiddiline Fm and on the top of “PIII Fm” are mostly debris-flow deposits. Some of these debris-flow deposits have been interpreted as glacial-origin deposits.

The work may help to better differentiate the conglomerates on the field and thus, it may facilitate correlation between sections in the different inlets of the Anti-Atlas Mountains.