

## **Lithostratigraphy and Provenance of the Syn-Orogenic Terrigenous Deposits of the Bokoya “Dorsale Calcaire” (Internal Central Rif, Morocco): Geodynamic Significance and New Palaeogeographic Scenario**

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The Bokoya Dorsale Calcaire at East of the Al-Hoceima is mainly consists of a Triassic-Liassic carbonate platform with a Tertiary succession usually formed by Paleocene-Eocene carbonatoclastic lithofacies evolving to terrigenous and siliciclastic deposits of Late Oligocene-Aquitania or Burdigalian?

The vertical organisation of the sections shows mainly coarsening upward cycles with different petrofacies. The arenites of the Rouadi succession, probably of Upper Oligocene age show abundant lithic fragments, almost completely represented by a carbonate fraction. Petrographic data obtained from arenites of the Tagadant-Tizi-Ali section (West of Rouadi), instead, show a considerably low textural maturity, due to the presence of abundant siliciclastic matrix and of very frequent angular shaped clasts. The lithic fragments are mainly represented by epimetamorphites (quartzites, semischists and metasedimentary rocks) and abundant quartz.

These compositions are in agreement with those of the arenites of other outcrops of the Internal and External “Dorsale Calcaire” (s.s.) and Haouz “Dorsale Calcaire” respectively for Tagadant Tizi-Ali and Rouadi sections. They reflect a common provenance from source areas mainly related to the carbonate suites of the “Dorsale Calcaire” and also to their Ghomaride Paleozoic basement.

Key words: Provenance, “Dorsale Calcaire”, terrigenous, siliciclastic