

Moroccan Meseta and SW Iberia Lithostratigraphic Correlations of Upper Neoproterozoic and Palaeozoic

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Moroccan Meseta and SW Iberia show Upper Neoproterozoic and Palaeozoic (mainly Lower Palaeozoic) complete series, folded, deformed, metamorphosed and granitized by different palaeozoic phases (caledonian and variscan). Below principal lithostratigraphical correlations.

Upper Neoproterozoic

-Iberian Meseta, Ossa Morena and Central Iberian (southerner part) Zones: Negra serie (phyllades and dark quartzites), calcalkaline volcano-sedimentary subduction complex.

-Morrocan Meseta (Central Moroccan massif, Coastal Meseta): schists and metamorphic limestones; volcanosedimentary complex (dolomites, rhyolites).

Lower Cambrian

-Iberian Meseta (Ossa Morena): volcano-sedimentary complex, carbonates (with Archeocyatides), arkose and metamorphosed greywackes (Lower Cambrian base).

-Morrocan Meseta (Coastal Meseta, Western Jebilet, Rehamna): limestones (with Archeocyatides), arkoses, schists and volcano-sedimentary complex (Middle Cambrian).

Middle Cambrian

-Iberian Meseta (Ossa Morena) : Volcano-sedimentary complex with pillow lavas level (dated of Mid Cambrian) indicated of an continental rifting developed in Ossa Morena Zone with oceanic domains borders. The Cambrian-Ordovician boundary is not well defined, it is marked by conglomerates level.

-Morrocan Meseta (Coastal Meseta, Jebilet, Rehamna): Paradoxides schist formation (Acadian); Western mesetean rift flysch with basic and acid volcano-sedimentary complex (Rhebar River, Sidi Said Maachou, Bou Acila); El Hank quartzites; Arenig conglomerates.

Ordovician (Lower part)

-Iberian Meseta: Central Iberian Zones: detritical series with Armoricane quartzites Formations; Ossa Morena Zone: detritical Formation of Barrancos.

-Morrocan Meseta (Coastal Meseta, Jebilet, Rehamna): "Schistes en dalles" and Oulmès Formations without Armoricane quartzites.

Key words : Upper Neoproterozoic, Palaeozoic, Moroccan Meseta, SW Iberia, lithostratigraphic correlations