



## The stratigraphy of Preadriatic Depression molasses.

The Preadriatic Depression is composed by molasses formation deposits. Those deposits are divided in: Tortonian, Mesinian and Pliocene deposits.

### Litology and fauna of Molasses formation

#### **Tortonian.**

Litofacie siltstone-sandstone: Clay and massive siltstone knitting by bed sandstone. There are a lot of plankton foraminifera.

Litofacie sandstone-siltstone: Knitting of sandstone with siltstone and clay, rare conglomerate and gravels. There are a lot of benthonic foraminifera. (*Macrofauna; pelicipode, gastropode*).

#### **Mesinian.**

Litofacie gips-bearing. Thick bedded gibbsite, among their there are rare bed sandstone.

Litofacie not gips-bearing. Massive sandstone knitting with conglomerate and gravel. (*Globigerina multiloba*).

#### **Pliocene.**

There are two suites: Helmesi and Rogozhina suite.

Litology. The knitting sandstone and gravel with conglomerate, after clay and siltstone. (*planktonic foraminifere, meantime in the Rogozhina suite are distingue gastropode and pelicipode*).