



western mediterranean fluvial history - an attempt to correlate

Dominik Faust (1) and Daniel Wolf (2)

(1) Department of Physical Geography, TU Dresden, Dresden, Germany (dominik.faust@tu-dresden.de), (2) Department of Physical Geography, TU Dresden, Dresden, Germany (daniel_wolf@tu-dresden.de)

Western mediterranean fluvial history – an attempt to correlate

Dominik Faust & Daniel Wolf (TU Dresden, Germany)

Correlation of fluvial sediments over large distances is a challenging issue. However it is worth to try it when reliable and robust data are available. Location of the sites to be correlated play a decisive role. So we considered possible pitfalls (tectonic activity, halokinetic movements, sea level changes, disorder inherent to the system itself) to find and chose the best exposures in order to built up a standard profile for every single river system. Three selected rivers were worked out in detail, the Guadalquivir sequences however are used complementary . We attempt to correlate

- The Oued Medjerda standard profile from Northern Tunisia (Faust et al. 2004; Zielhofer & Faust 2008)
- The Rio Jarama standard profile for Central Spain (Wolf et al. 2013)
- The Rio Guadalete standard profile for Southern Spain (Wolf et al. in review)
- (The Rio Guadalquivir)

We aim to propose a correlation scheme in order to visualize analog and inconsistent trends and to discuss possible driving forces.

dominik.faust@tu-dresden.de