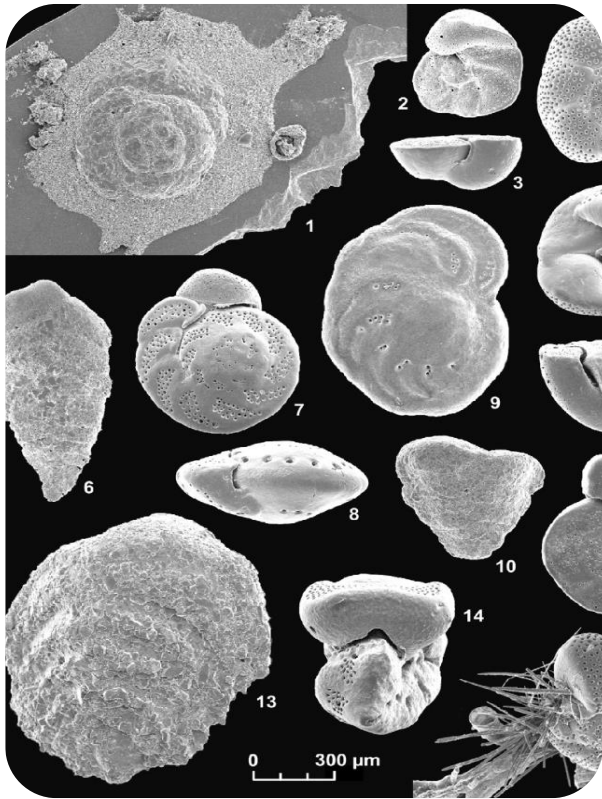
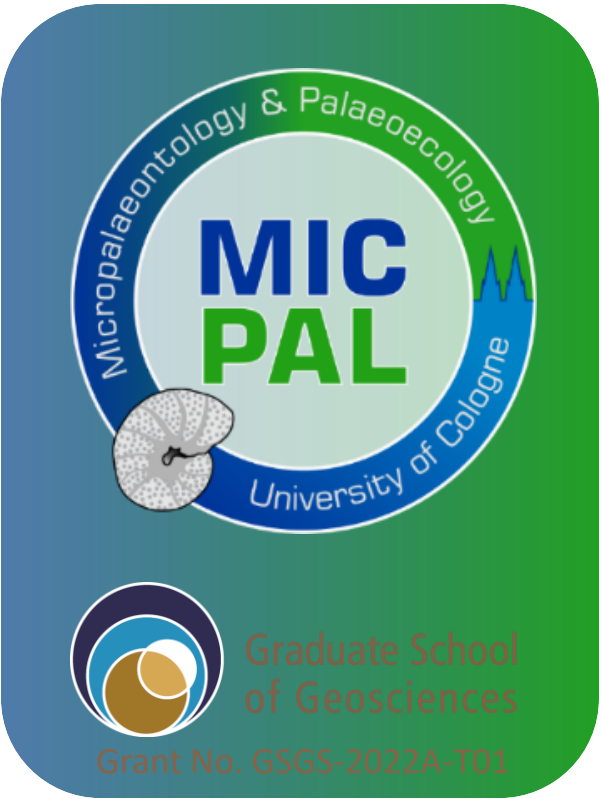




Understanding the taphonomic bias on the benthic foraminiferal bottom current proxy

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(Schönfeld, 2002)

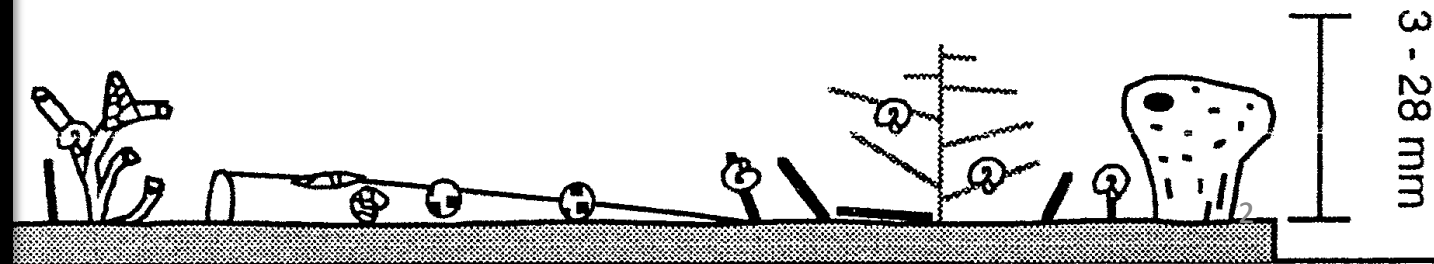
Material provided by J. Schönfeld;
photographs by A. Saupe

ELEVATED EPIFAUNA (EEF)

Indicator for bottom current flow speeds

(Schönfeld 1997; 2002)

Attachment to elevated substrate to improve nutrient supply by filtering nutrient particles from bottom currents as adaption to higher bottom currents velocities (Suspensions feeder)



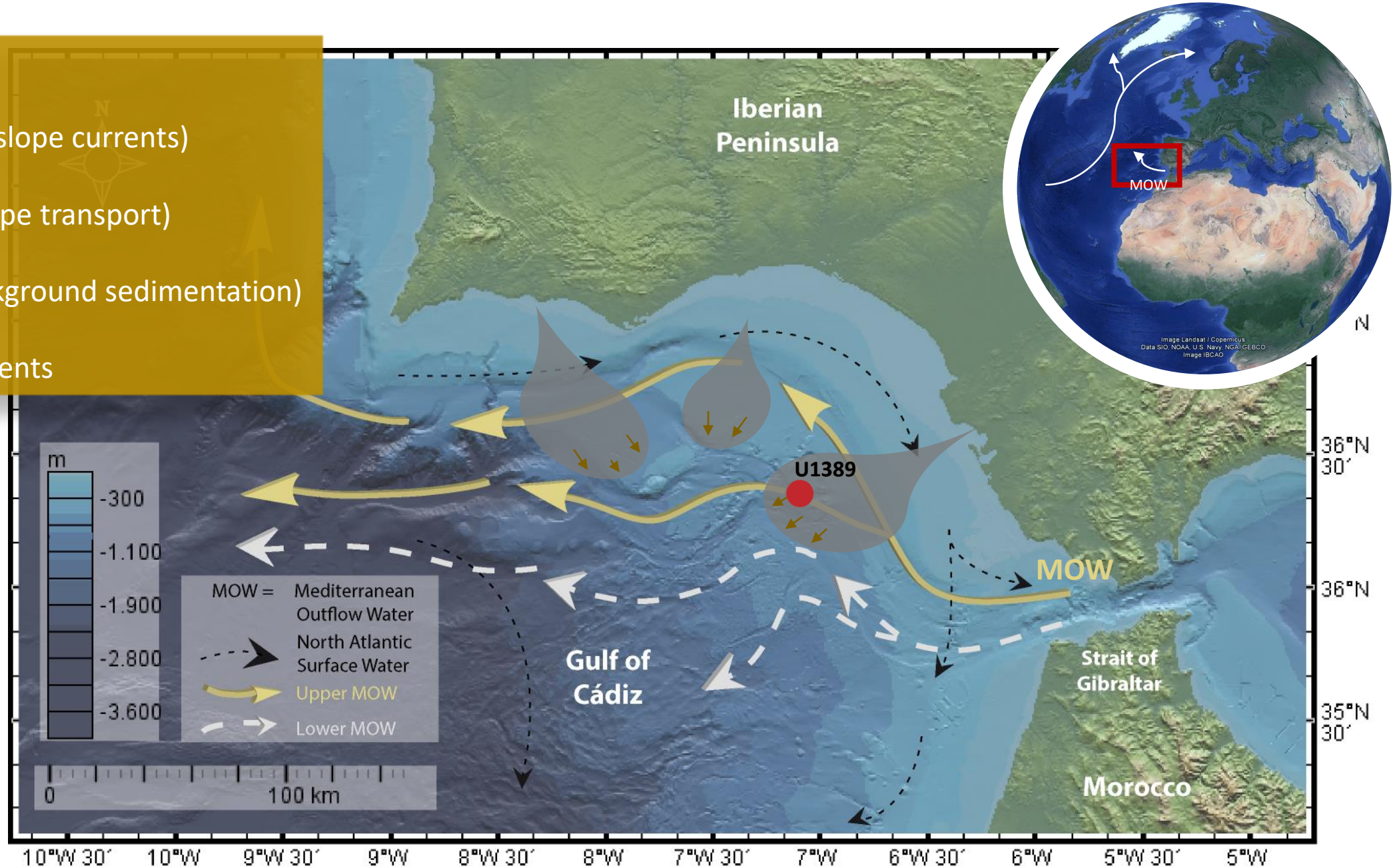
Deposition of:

Contourites (Along-slope currents)

Turbidites (Downslope transport)

Hemipelagites (Background sedimentation)

Reworking of sediments



Lobatula lobatula
Shelf-Slope
EEF



EEF
Bottom
current
proxy

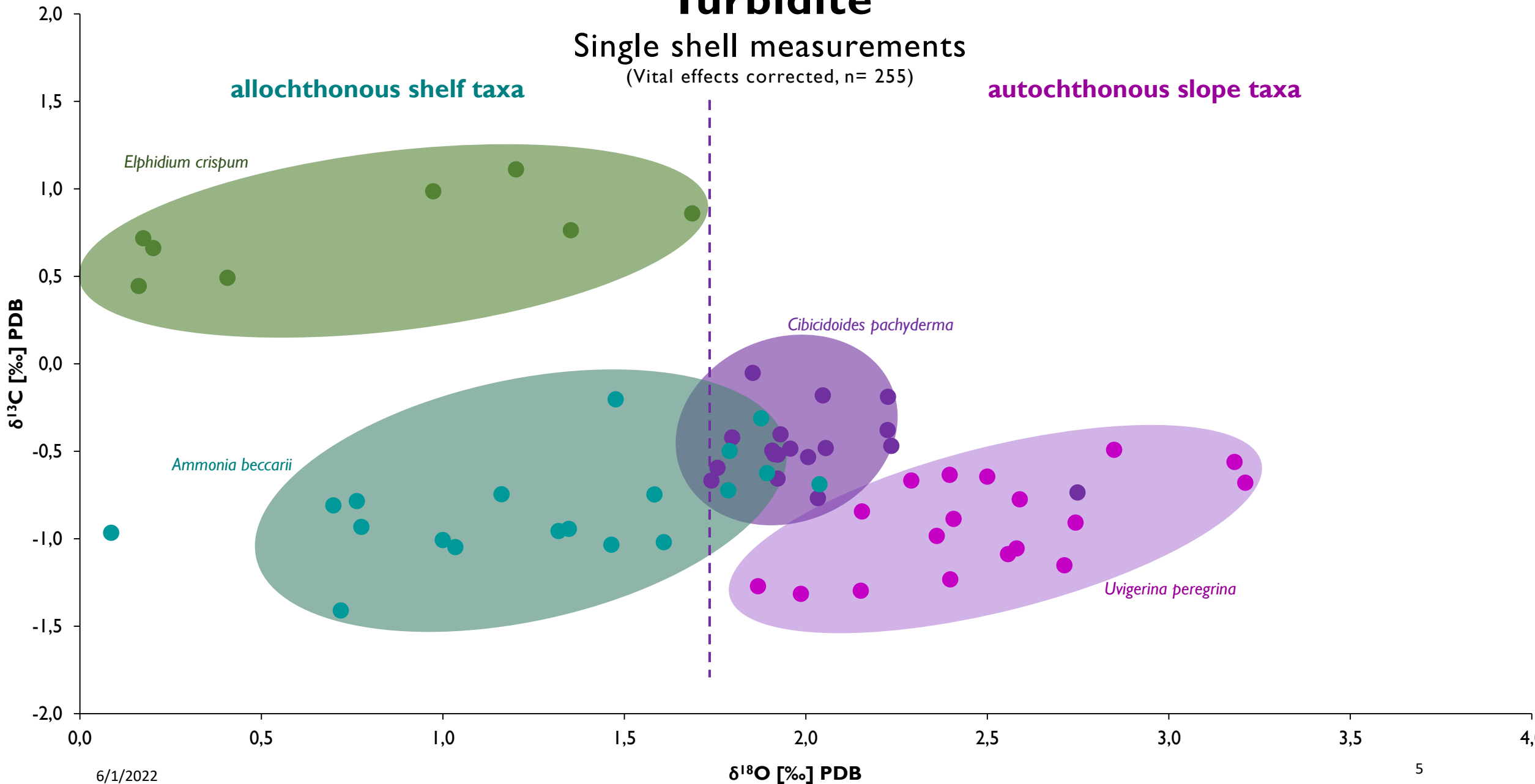
Transport
processes
potentially
bias EEF
abundances
in slope
sediments

Overestimation
of bottom
current
velocities

Evaluation of
significance of
transport processes
for the EEF proxy

Turbidite

Single shell measurements
(Vital effects corrected, n= 255)



Turbidite – EEF taxa

Single shell measurements

(Vital effects corrected, n= 255)

