

10TH ANNIVERSARY

15-20 | SEPT SALZBURG



PANGEO
AUSTRIA 2012

Session 14:	Paläontologie / Palaeontology
Convenors:	Martin ZUSCHIN, Antonino BRIGUGLIO (Wien)
Beschreibung:	<p>Palaeontology deals with evolution of life, its diversity and its interaction with the Earth system. During the last decades, scientists focused on specific applications of paleontology, for example to improve environmental reconstructions, to assess climate change and to recognize evolutionary trends. The coupling to bio-, magneto- and sequence stratigraphy and geochemistry makes paleontology therefore an increasingly applied science, with high power of resolution. On the other hand, the incorporation of newly developed techniques, such as quantitative statistics and computed tomography and closer links to biology, taphonomy and the consideration of the environmental background help to interpret the functional morphology of fossils and bring extinct organisms back to life. This session is dedicated to ongoing research on environmental and evolutionary paleontology, actuopalaeontology, palaeoecology and biostratigraphy, and their applications in bio- and geosciences.</p>