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Session

**S14**

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**S14 Radiolarian biochronology: key to tectonostratigraphic reconstructions**

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This session accepts abstracts only

Radiolarian biochronology has now become invaluable for understanding the complex geodynamic, palaeogeographic and palaeoenvironmental evolution of Neo- and Palaeo-Tethyan oceanic realms and associated continental margins. More particularly, radiolarians are nearly always the only fossils available to date the sedimentary cover of ophiolites as well as blocks and matrix in associated melange units. Therefore, they are often the only fossils that allow to constrain the timing of opening and closing of the various parts of past oceans. Moreover, radiolarian dating is essential to reconstruct the sedimentary evolution of deep-water basins and adjacent continental margins.

This session will attempt to bring together radiolarian micropalaeontologists and geologists interested in large scale palinspastic reconstructions, in order to provide a multidisciplinary forum addressing questions about the complex evolution of Tethyan realms.