

### S3. Paleobiology and Macroevolution

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#### Abstract

This session pursues to contribute to the understanding of main advances in macroevolution and paleobiology. We seek for theoretical and experimental contributions that aim to disentangle evolutionary patterns of biodiversity above species level. In particular, we are interested in receiving communications on phylogenetic and/or paleobiological approaches from cryptic species to large-scale history of life (evolution of domains or kingdoms) that encompasses the grandest trends and transformations in evolution. We are especially interested in theoretical and/or experimental contributions that really integrate both phylogeny and paleobiology