

## S1. Evolutionary Ecology

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### Abstract

Moving across temporal, spatial and hierarchical scales Evolutionary Ecology seeks to understand the ecological basis of organisms' adaptation to the environment and the complexity of evolution in the wild. The analysis of natural phenotypic variation and its consequences in fitness, with particular emphasis in character variability along abiotic gradients, and the evolution of life-history and mating systems are primary research objectives in this field. Also, research on the dynamics of biotic interactions has essentially contributed to understand the particular patterns of natural selection and diversification at both intra- and interspecific levels. In this session we seek to discuss the main conceptual advances in organismal, trait and interaction evolution as a way to cope with environmental variability and welcome hypothesis-driven theoretical and empirical contributions on any field of Evolutionary Ecology with no bias regarding taxon, biome or biogeographical area.