

## **General Theme 5**

### **5.2**

The session "30 Years of Actualistic Sand Petrofacies" start as a session honoring the contributions of Ray Ingersoll to sand petrology and the tectonics of sedimentary basins and want to discuss the outstanding new research on quantitative provenance analysis of clastic sediments, a topic in which after pioneering work of Ingersoll a series of papers and thematic Special publications have been published. The focus of the session is to discuss quantitative aspects of sediment generation, from weathering to sinks, and the significance of compositional signatures to contribute to paleogeographic and paleotectonic interpretation of ancient systems.