

Evaporites: Deposit Formation, Industrial Developments and Technological Implications

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The aim of the session is to examine evaporites such as borate, sulphate and salt (etc.) deposits formation and their geological settings, and to evaluate their origin and exploration significance, as well as, to discuss various alternative interpretations, basin analysis and the origin of these deposits. The borates are among the most interesting of the world's evaporitic and industrial minerals, having been known and used since the earliest recorded history, first for precious metal working and later in ceramics. The major uses of borates, followed by some of the industry's production, consumption, ore reserves, and product specification statistics, will be discussed.

Contributors are invited to discuss theoretical, experimental and applied studies on every aspect of evaporite deposits related to volcanism, mineral formations within deposits, including specific field, petrographic and facies studies of deposits and exploration case histories, as well as industrial developments and technological implications of these minerals. We would like to focus this session on different evaporite deposits, their origins, geologic settings and basin formations as well as industrial products application in different industry. We welcome contributions concerning any new significant observations related to evaporites, the tectonic setting of evaporitic basins, origins, models, mineral formations and diagenesis, industrial applications of evaporitic minerals and refined products.