

Tracking the Evolution of Late Mesozoic Caldera Complexes in Hong Kong

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Spatial and temporal correlation of four late Mesozoic volcanic centres and their sub-volcanic plutons are well -constrained in Hong Kong through detailed mapping, geochemical analyses and geochronological studies. Of the four volcanic episodes, the youngest caldera-forming eruptions (of c. 140 million years ago) from the High Island Caldera have been interpreted to be of super-eruption scale. Multiple techniques including field studies, zircon geochronology and trace element analyses and low-temperature thermochronology have been employed to gain new insights into the evolution of these ancient volcanic systems. In this seminar, some latest findings of the magmatic history of Hong Kong and their implications to our understanding of the regional geology will be presented.

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**Conference Room, 3/F,
Mong Man Wai Building**



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