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Tectonism, magmatism and sedimentary basin development in the Mesozoic-Early Tertiary period, New Caledonia

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The paper will cover the development of the Mesozoic crust on the margin of the Australian plate, the change in nature of the volcanism during the Mesozoic, uplift and early Cretaceous deformation. Late Cretaceous transgressive coal measures are associated with bimodal volcanism typical of an extensional environment in two sedimentary basins. Massive sulphide deposits are associated with rhyolites in one of these extensional basins. The setting and environment of the two sedimentary basins will be compared.

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