

**SRI LANKA — INDIAN EASTERN GHATS — EAST ANTARCTICA AND THE ALBANY FRASER  
MOBILE BELT: GROSS GEOMETRY AND TECTONICS IN PRECAMBRIAN GONDWANALAND**

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In Precambrian Gondwanaland many, now dispersed, Precambrian mobile belts appear to be aligned in the reassembly and this geometrical relationship may be significant. One example is the alignment of the Sri Lanka—Eastern Ghats mobile belt of India, East Antarctica and the Albany Fraser Province of southwest Australia (SL-EG-EA-AF Belt). Although these terrains differ somewhat in detail, they have gross similarities in lithology, structure and possibly in their age relationships. The structural, tectonic alignment of this proposed SL-EG-EA-AF Belt in the Precambrian Gondwanaland reassembly is suggestive of a once continuous metamorphic terrain. Geometrically this belt can be fitted to arc swaths of small circles with their centre in the middle of Antarctica, which can be interpreted, in a preliminary way, as being controlled by transform-like plate tectonic processes.