Trans-Baltic Palaeoproterozoic correlations as a key to the Svecofennian orogeny

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The Palaeoproterozoic Svecofennides in the Baltic Shield correlates well with their unexposed counterparts across the Southern Baltic Sea. Apart from the effects of some microcontinents and oroclines, they feature 100 to 300 km wide tectonic domains and belts younging SSW. Major disturbance was caused by the collision of Fennoscandia with Volgo-Sarmatia at 1.82-1.80 Ga followed by the formation of the Andean-type Transscandinavian Igneous belt (1.81-1.76 Ga). We also find that the Svecofennian orogen was not a part of the westward Laurentia-Baltica margin of supercontinent Columbia/Nuna but older than that 1.7-1.2 Ga accretionary margin.