



Crustal uplift in eastern Fennoscandia: results from repeated Russian and Finnish levellings

J. Mäkinen (1), V.I. Kaftan (2), G.V. Demiyarov (2), Yu.G. Kuznetsov (2), V.I. Zabnev (3), P. Lehmuskoski (1), M. Poutanen (1), M. Takalo (1)

(1) Finnish Geodetic Institute, Masala, Finland (Jaakko.Makinen@fgi.fi), (2) Central Research Institute of Geodesy, Aerial Survey and Cartography, Moscow, Russia (kaftan@goeod.ru), (3) Federal Agency of Geodesy and Cartography, Moscow, Russia

Russian and Finnish levelling networks were in 2002-2006 connected at 8 points along the Russian-Finnish boundary. We have now estimated contemporary vertical motion from joint processing of the repeated levellings in Northwest Russia and Finland. They span more than a century, and in large areas of the networks there are three campaigns. We compare the motion rates with velocities estimated from other measurement techniques and from geophysical models, and discuss their relationship with results from quaternary geology.