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## **Creation of Digital Orthophotomaps in 1:25,000 Scale for Rural Areas of Krasnoyarsk Territory Using SPOT 5 Images**

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In 2006 East-Siberian subsidiary of VISKHAGI executed works on creation of orthophotomaps of 1:25,000 scale on rural areas of two districts of Krasnoyarsk Territory.

Space images acquired by Spot-5 satellite, pan-chromatic, with spatial resolution 2.5m is used as initial data.

Topographic maps in 1:50,000 scale are used for DEM building. Scanned map sheets are merged in GIS Map-2000. GCP coordinates and heights are measured using global navigational systems GLONASS and GPS.

Digital orthophotomaps in 1:25,000 scale are created using photogrammetric system PHOTOMOD (developed by Racurs company, Moscow). Images rectification is performed using DEM in PHOTOMOD Mosaic module.

Resulting digital orthophotomaps saved as separate files of TIFF format are converted into GIS MapInfo format, and this GIS used for creating of marginalia, agreed with the customer.