

Web application development based on technologies, resources and services of the Geoportal of the Institute of Computational Modelling SB RAS

Yakubaylik O.E., Kadochnikov A.A., Tokarev A. V.

Abstract

The geoportal is a mapping web site; it can be described as specialized software and technologies for spatial data processing. Geoportal's main task is to provide the user with the tools and services of storing and cataloguing, publications and download the spatial (geographic) data, search and filter by metadata, interactive web visualization, direct access to geodata based web mapping services. Geoportal developed in ICM SB RAS with appropriate set of its components and services, has become a GIS platform for creating a number of applied GIS web applications. The article deals with the experience of design and development of these systems.

Key words: spatial data processing, geodata, web mapping services, geoportal, GIS web applications.

About authors

Yakubaylik Oleg E. - Ph.D, Senior Researcher of the Institute of Computational Modelling SB RAS e-mail: oleg@icm.krasn.ru

Kadochnikov Alexey A. - Ph.D, Researcher of the Institute of Computational Modelling SB RAS e-mail: scorant@icm.krasn.ru

Tokarev Alexey V. - Ph.D, Researcher of the Institute of Computational Modelling SB RAS e-mail: tav@torins.ru
