

Information Infrastructure to support interdisciplinary environmental studies of Siberia

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Siberia environment reaction on Global Change as well as its possible influence on operation of the whole Earth system is one of hot topics nowadays. A number of national and international projects devoted to different aspects of this theme are performed now. These projects involve multidisciplinary teams located in different geographic places. Significant input into understanding of dynamics of Siberia environment is getting from Interdisciplinary integrated projects funded by SB RAS. Both basic and applied environmental researches in this area require and produce a lot of environmental data and badly need in their handling. Till now not all of gathered data are properly structured and organized. Also an access to this kind of data is not formalized yet. That is why recently SB RAS has initiated development of consisted environmental data policy.

In this paper we describe the state of the art with environmental information resources in SB RAS with special emphasis on developed information system on biodiversity (<http://www-sbras.nsc.ru/win/elbib/bio/>) and web portal on atmospheric and environmental sciences ATMOS (<http://atmos.iao.ru/> and <http://atmos.scert.ru/>) and provide details on the adopted strategy and the first steps chosen for its execution realization. In particular the dedicated centers aimed at support, handling and dissemination of thematic environmental data as well as chosen to this end IT tools will be presented as well as plans for development of relevant metadata databases.