

Infrastructure of scientific information resources and systems

Kudashev E.B., Serebryakov V.A.

Abstract

This article analyzes the work of the Third All-Russian Symposium "Infrastructure scientific information resources and systems", held in Sukhum, Abkhazia, 5-8 October 2013. The avalanche growth of electronic content required the development of new approaches to storage and continuous access to digital scientific data. Of particular interest are the current scientific tasks of creating spatial data infrastructures. Symposium traditionally discusses issues related to the integration of geographic information resources and free access to them, research e-Infrastructures to form a distributed scientific information resources, development of related directories and create a network of integrated, interoperable databases. The development of e-Science Infrastructures should be the basis of emerging systems for collective work of researchers based on a virtual integration of information and computing resources. The main focus of the Third Symposium were questions the use of modern approaches to technology development of information systems to the problems of informational support of scientific research.

Key words: digital content, scientific data, the formation of digital infrastructure, continuous access and long-term storage of data.

The work was financially supported by RFBR (grant No 14-07-00032).

About authors

Kudashev Efim Borisovich - Academician of the Russian Academy of Engineering, Doctor of Technical Sciences, Senior Fellow of the Institute for Space Research of the Russian Academy of Sciences, e-mail: fmkdshv@gmail.com

Serebryakov Vladimir Alekseevich - Dorodnicyn Computing Centre of RAS e-mail: serebr@ultimeta.ru
