

REGIONAL EUROPEAN SPACE RESEARCH PROJECTS: SURE, GMES, BALKANSAT

Lachezar Filipov

Space Research Institute, Bulgarian Academy of Sciences

In this paper, it is presented the European Space Programs GMES, SURE, BALKANSAT, the possibilities of the Bulgarian participation, particularly the Space Research Institute and how these programs may help to improve the quality of life in the planet and especially in the region. SURE is a program of the European Space Agency (ESA) and its aim is to ensure science devices and performing the experiments at the International Space Station(ISS) as included the East European countries. The essence of the program of Global Monitoring of the Environment and Security (GMES) is the data integration received from space, air, earth and sea platforms for regional and global monitoring. This program is created to resolve the problems of the population and economics. The project BALKANSAT includes the creating of micro-satellite platform loaded with necessary appliance on its board and performing the relevant experiments, mostly applicable of the environment examination. The cooperation and establishment the Bulgarian-Serbian joint network is discussed.