

Krasnoyarsk Cluster of Forest Science – New Stage of Development

R. Kotelnikov

The Center of the Forest Pyrology, Development of Forest Ecosystem Conservation, Forest Protection and Regeneration Technologies, Branch Russian Research Institute for Silviculture and Mechanization of Forestry, Director, Candidate of Technical Sciences, Krasnoyarsk, Russian Federation, kotelnikovrv@firescience.ru

S. Verkhovets

Institute of Forest Technology Reshetnev Siberian State University of Science and Technology, Director, Candidate of Agricultural Sciences, Krasnoyarsk, Russian Federation, sverhovec@gmail.com

A. Ageev

The Center of the Forest Pyrology, Development of Forest Ecosystem Conservation, Forest Protection and Regeneration Technologies, Russian Research Institute for Silviculture and Mechanization of Forestry, Manager of Laboratory for Protection and Reproduction of Forests, Candidate of Agricultural Sciences, Krasnoyarsk, Russian Federation, ageevaa@firescience.ru

Key word: *scientific cluster, forestry, scientific organizations, forest fires, interdisciplinary approach*

The interaction between scientific organizations for the joint solution of scientific and practical problems in the interests of forestry is considered. Over the past few years, the scientific potential in the forestry sector has increased in the region, firstly, due to the emergence of a branch of the All-Russian Research Institute of Forestry, whose task is to fill the gap between the scientific and practical environment, and secondly, the emergence of the base university Krasnoyarsk Territory, which included two main sectoral areas of priority for the region, is the space industry and the forest industry [1]. Today in forestry there are many unsolved problems, where one of the main ones can be called with certainty – protecting forests from fires [2, 3]. The implementation of this and other tasks will be the development of a new approach in their solution. This approach consists in the formation of an interorganizational interaction format involving scientific organizations from other spheres of science, thereby creating an interdisciplinary working environment [4]. The result of this interaction will be a comprehensive solution to existing problems using not only classical silvicultural approaches, but also the latest technical means, which are advanced digital and space technologies concentrated in the base university. As well as the advantage of this approach will be the final research product, which will already be adapted and prepared for introduction into practice, which will be provided by the functionality of the established branch of the institute that performs applied research in the interests of forestry. The past significant strengthening of the academic and university forest science in the Krasnoyarsk Territory at the expense of the applied one will make it possible to fully solve problems of a different nature arising in forestry.

References

1. Resolution of the Government of the Krasnoyarsk Territory of 30.10.2018 No. 647-p "On approval of the strategy of socio-economic development of the Krasnoyarsk Territory until 2030".
2. The concept of development of the forest industry of the Krasnoyarsk Territory [Electronic resource]. – URL: mx.krskstate.ru/dat/File/57/Novaya_lesnaya_kontsepsiya.docx (appeal date: 05/29/2019).
3. Decree of the Government of the Russian Federation of April 15, 2014 No. 318 "On Approval of the State Program of the Russian Federation" Development of Forestry "for 2013–2020".
3. Lysak, I. V. Interdisciplinarity: advantages and problems of application [Electronic resource] / I. V. Lysak // Modern problems of science and education. – 2016. – № 5 [Electronic resource] .– Access mode: URL: <http://www.science-education.ru/ru/article/view?id=25376> (date references: 07/04/2019)