

Investigation and monitoring of agricultural and forestry pests in the interior of Central Asia

This project is undertaken by Institute of Zoology, Chinese Academy of Sciences, cooperating with Zoology Institute and Mamun College of Academy of Sciences of the Republic of Uzbekistan, Institute of Zoology Committee of Science Ministry of Education and Science Republic of Kazakhstan, Institute of Zoology and Parasitology, Academy of Sciences of the Republic of Tajikistan, National Institute of Deserts, Flora and Fauna, Ministry of Agriculture and Environmental Protection of Turkmenistan, and Xinjiang Normal University.

Guided by the development tenet of ANSO and the actual needs and key issues of the development of agriculture and forestry in the interior of Central Asia, the project will systematically carry out the investigations on agricultural and forestry pest resources, collect specimens and samples of pests, assist foreign partners to build the resource database of pest samples; obtain the DNA barcode sequence of pests, build the DNA barcode database, form the rapid identification system of important pests based on DNA barcode technology; establish the important pest monitoring network in the interior of Central Asia based on China's mature pest monitoring technology and equipment; export biological control technology and products, demonstrate their applications in Uzbekistan, Kazakhstan, Tajikistan, Turkmenistan and other countries; through technical training and joint implementation of projects, cultivate professional technical teams and young scientific researchers for Central Asia. Based on the development plan of ANSO, inviting senior scientists from Central Asia to visit China and carry out cooperative research will help to build a scientist exchange network of ANSO in Central Asia. Meanwhile, under the framework of ANSO, carrying out scientific education of green agriculture concept in Central Asia countries, creating a human and culture environment for regional coordinated and healthy development will finally promote the implementation of B&R initiative and further expands the international influence of ANSO.



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