Research and Application of Remote Sensing Technology in Chinese Agricultural Statistics

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Abstract: Agriculture is the basis of national economy of China. Agricultural statistics is one of the key points of Chinese statistic work. Nowadays, the worldwide Earth Observation System (EOS) by Remote Sensing has been increasingly improved and the multi-temporal and multi-resolution EOS has been forming as well. The rapid development of Remote Sensing technology serves as the solid technological foundation for the in-depth application of Chinese agricultural statistics.

This paper introduced the current situation of Chinese agricultural statistics and the achievement of each department on the statistic work of agricultural Remote Sensing. And the difficulties of Remote Sensing technology in agricultural statistics were also analyzed in terms of the situation of Chinese agriculture. Furthermore, the paper introduced the project of "National Statistic Remote Sensing Operational System Key Technology and Application" in particular, which is assumed by National Bureau of Statistics of China. The rural Earth sampling method and the technological course as well as the implementation scheme of the Remote Sensing survey on the planting area and yield of the main crops were elaborated. The current research development and application of the project were also involved.