

# Research on engineering mode of production service integration of basic surveying and mapping: a case study of Heilongjiang Province, China

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## SUMMARY

Traditional surveying and mapping work organization and management, project production, achievement models, and application services can no longer meet the development requirements of the new era, and it is necessary to achieve its own reform and development in implementing of the "Two Supports, Two Services" of "Supporting economic and social development, serving the needs of various industries, supporting natural resource management, and serving the construction of ecological civilization". In response to the fragmented problem of traditional surveying and mapping production and services, combining with the practice of basic surveying and mapping production and service in Heilongjiang Province, this article analyzed the current situation and demand pain points of basic surveying and mapping construction, promoted the practice of collaborative production, updating, and fusion of multi-type, multi-element, multi-regional, and multi-scale geographic information data through "integration of production and service".

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