

Opinion on Agricultural and Rural Big Data Development 农业部关于推进农业农村大数据发展的实施意见

On 31 December 2015, the Chinese Ministry of Agriculture (MOA) released the “Opinion on Agricultural and Rural Big Data Development”. This document outlines the objectives, tasks and roadmap for the Chinese agricultural and rural big data development.

Objectives

In the next 5-10 years, to realise agricultural data opening and sharing, and to complete the agricultural data transformation.

Main tasks

Consolidate the foundation for agricultural and rural big data development and application

- Establishing national agricultural data centre
- Advance data opening and sharing
- Bring the full play of various data function
- Perfecting agricultural data standard system
- Enhance data security management

The priority areas for agricultural and rural data development and application

- Support smart agricultural production
- Carry out precision monitoring on agricultural resource and environment
- Carry out agricultural natural disaster prediction and forecasting
- Enhance monitoring and early warning on animal epidemics and plant diseases
- Whole course tracing on safety and quality of agricultural products
- Information inquiry and traceable for whole seed industry chain of crops
- Enhance data support for marketing information monitoring and early warning
- Support innovation in agricultural operation system
- Push on data resource sharing in agricultural science and technology innovation
- Meet the need of personalised services in farm management
- Promote the transparency in agricultural management

Roadmap

2016-2018 – basically realise data sharing

2019-2020 – gradually realise government data opening to the public

2021-2025 – Complete the construction of global agricultural data collection and analyses system

(The full text (in Chinese) of the “Opinion on Agricultural and Rural Big Data Development” is available at: http://www.moa.gov.cn/zwllm/tzgg/tz/201512/t20151231_4972005.htm)

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For further enquiries, please contact Yuelai
Lu at: y.lu@uea.ac.uk