



2019年第4期总171期

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## 政策法规

### 1. 自然资源部：进一步加强地质资料社会化服务

**简介：**日前，自然资源部印发《关于进一步加强地质资料社会化服务的指导意见》（简称《意见》），对地质资料信息开放共享、国家地质资料大数据体系建设和地质资料服务能力建设提出明确要求。《意见》提出，地质资料是国家重要的基础性信息资源，要深入推进地质资料信息开放共享。一是全面公开地质资料目录，于2020年底之前完成摘要与目录信息的补充完善并向社会公开，新汇交的地质资料，自汇交之日起90天内完成摘要与目录信息采编并向社会公开。二是加大公开信息资源供给，进一步完善地质资料汇交诚信体系，切实加强事中、事后监管；与储量评审等管理环节相衔接，确保汇交及时、完整；全面清查以往的汇交欠账，2020年底前各省（区、市）汇交率应超过85%。三是加大服务产品开发力度，围绕国家重大战略部署需求，形成适应国家、社会、市场需求的专题服务产品。四是健全完善社会化服务制度，2019年底前，各馆藏机构要形成健全完善的服务制度，并编制具体的服务指南。开展国家地质资料大数据体系建设。要全面应用地质资料信息管理服务系统，确保自然资源业务网的互联互通；建设国家级地质资料数据中心，推进省级地质资料数据中心建设；积极培育地质资料数据产业创新发展，鼓励和引导各类市场主体、行业组织、地勘单位等社会力量投身地质大数据开发利用。

**来源：**自然资源部

**发布日期：**2019-01-22

**全文链接：**[http://www.mnr.gov.cn/dt/ywbb/201901/t20190122\\_2389232.html](http://www.mnr.gov.cn/dt/ywbb/201901/t20190122_2389232.html)

## 前沿资讯

### 1. FAO chief emphasizes need for inclusive digital innovation (粮农组织负责人强调需要广泛的数字化革新)

**简介：**It's time to accelerate innovation in agriculture and to do so in a way that aspires to make a difference to hundreds of millions of people who produce the bulk of the world's food on family farms, FAO Director-General José Graziano da Silva said today. "FAO is working with digital innovations, providing new inputs for farmers in rural areas. We need good governance and the right policies to support that, therefore FAO also helps countries access these new technologies to foster digitalization in agriculture," he told agriculture ministers from more than 70 countries and officials from organizations including the World Bank, the Organization for Economic Cooperation and Development and the African Development Bank, gathered for a high-level meeting in Berlin.

**来源：**FAO

**发布日期：**2019-01-19

**全文链接：**<http://www.fao.org/news/story/en/item/1177195/icode/>

## 2 . Seeds go digital: faster and better-quality certification, a game-changer for African farmers? (种子数字化: 更快, 更优质的认证, 非洲农民是否改变了游戏规则?)

简介: Many Kenyan maize farmers are busy preparing their seed stock for the next planting season. Sowing high quality seeds of stress-tolerant varieties is a cost-effective way for African smallholder farmers to boost their harvests while being resilient to evolving crop pests and diseases as well as an erratic climate. However, even if a majority of farmers buy their seeds, they are often of dubious quality or of old, outdated varieties, which do not cope well against increasing drought and heat shocks or emerging diseases.

来源: 国际玉米小麦改良中心 (CIMMYT)

发布日期: 2019-01-17

全文链接: <https://www.cimmyt.org/seeds-go-digital-faster-and-better-quality-certification-a-game-changer-for-african-farmers/>

### ➤ 学术文献

## 1 . FoodOn: a harmonized food ontology to increase global food traceability, quality control and data integration (FoodOn: 用以提高全球食品可追溯性, 质量控制和数据整合的协同食品本体)

简介: The construction of high capacity data sharing networks to support increasing government and commercial data exchange has highlighted a key roadblock: the content of existing Internet-connected information remains siloed due to a multiplicity of local languages and data dictionaries. This lack of a digital lingua franca is obvious in the domain of human food as materials travel from their wild or farm origin, through processing and distribution chains, to consumers. Well defined, hierarchical vocabulary, connected with logical relationships—in other words, an ontology—is urgently needed to help tackle data harmonization problems that span the domains of food security, safety, quality, production, distribution, and consumer health and convenience. FoodOn (<http://foodon.org>) is a consortium-driven project to build a comprehensive and easily accessible global farm-to-fork ontology about food, that accurately and consistently describes foods commonly known in cultures from around the world. FoodOn addresses food product terminology gaps and supports food traceability. Focusing on human and domesticated animal food description, FoodOn contains animal and plant food sources, food categories and products, and other facets like preservation processes, contact surfaces, and packaging. Much of FoodOn's vocabulary comes from transforming LanguaL, a mature and popular food indexing thesaurus, into a World Wide Web Consortium (W3C) OWL Web Ontology Language-formatted vocabulary that provides system interoperability, quality control, and software-driven intelligence. FoodOn compliments other technologies facilitating food traceability, which is becoming critical in this age of increasing globalization of food networks.

来源: npj Science of Food

更多资讯 尽在农业专业知识服务系统: <http://agri.ckcest.cn/>

发布日期:2018-12-18

全文链接:<http://agri.ckcest.cn/file1/M00/06/5C/Csgk0FxJGjCABhpmACLZVK6-n30082.pdf>

## 科技报告

### 1 . Guide for Impact Assessment of Agro-Climate Information Services (农业气候信息服务产生影响的评估指南)

**简介:** 世界农用林业中心 (ICRAF), CARE和国际农业研究磋商组织 (CGIAR) 气候变化项目组: 农业和粮食安全研究计划 (CAAFS) 联合以问卷的形式为农业气候信息服务 (ACIS) 开发了一个快速评估工具。 ACIS项目旨在将气候知识和信息转化为为贫困地区的进行气候知情决策。 该工具可用于评估气候服务的推广和应用范围, 用户满意度, 改进点和发展潜力。

**来源:** 国际农业研究磋商组织 (CGIAR)

**发布日期:**2010-01-09

**全文链接:**<http://agri.ckcest.cn/file1/M00/06/5C/Csgk0FxIY1WA0jMDAB36-NgZngU361.pdf>