



2019年第36期总203期

农业与资源环境信息工程专题

本期导读

▶ 前沿资讯

1. 建立粮食和农业国际数字委员会
2. 基于卫星估算出需要减少保护区内森林砍伐
3. 利用人工智能的力量改变农业

▶ 科技报告

1. 非洲数字化农业报告，2018-2019

▶ 专业会议

1. 在欧洲和中亚发展数字农业战略，促进数字农业发展

中国农业科学院农业信息研究所

联系人：孔令博

联系电话：010-82106786

邮箱：agri@ckcest.cn

2019年9月9日

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

▶ 前沿资讯

1 . Establishing the International Digital Council for Food and Agriculture (建立粮食和农业国际数字委员会)

简介: Today, there are more than 7 billion people on the planet, a figure that is expected to reach 9.6 billion by 2050. Overall food production needs to double in a relatively short period of time to meet food demand of the world's population. It is therefore an imperative for the different agricultural stakeholders to revolutionize the traditional agriculture. On 19 January 2019, Agriculture ministers from 74 nations adopted a number of resolutions stated in a political communiqué on digitalization in agriculture, which was issued during the Global Forum for Food and Agriculture (GFFA). The common voice of the ministers states the need for an International Digital Council that will take action on global digitalization of agriculture. The main objective of the design-thinking workshop is to initiate discussions on opportunities that an International Digital Council for Food and Agriculture will bring to the sector, once established, and touches upon the scope of the Council and its mission.

来源: FAO

发布日期: 2019-09-02

全文链接: <http://www.fao.org/e-agriculture/news/establishing-international-digital-council-food-and-agriculture>

2 . Satellite-based estimates of reduced deforestation in protected areas needed (基于卫星估算出需要减少保护区内森林砍伐)

简介: In the context of progressing towards new targets for a post-2020 Global Biodiversity Framework, the debate remains on whether the emphasis should be on protected area coverage or protected area effectiveness. "It is worrying that we still know so little about how effective protected areas are, especially in relation to management inputs" says Dr. Johanna Eklund from the University of Helsinki.

来源: ScienceDaily (美国)

发布日期: 2019-08-27

全文链接: <https://www.sciencedaily.com/releases/2019/08/190827111118.htm>

3 . Harnessing the power of AI to transform agriculture (利用人工智能的力量改变农业)

简介: 目前全球人口有77亿, 有超过8.2亿的人在忍受饥饿。预计到2050年, 世界人口将增长至100亿, 这就意味着全球要生产更多的食物来养活处于饥饿中的人们。近期, 微软公司全球销售总裁Jean-Philippe Courtois在他的博客中提出人工智能技术可以成为解决该问题的方案之一。许多拥有大规模种植业务的农民已经采用这种创新技术, 比如使用GPS, 卫星图像和人工智能自动驾驶拖拉机进行更有效的种植; 传感器和机器学习可以帮助农民做出更合理的决定, 比如何时灌溉和施肥多少。那么那些生活在资源匮乏国家的小农农民能否也从这些技术中获益呢?

来源: 微软公司

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

发布日期:2019-08-07

全文链接:<https://blogs.microsoft.com/blog/2019/08/07/harnessing-the-power-of-ai-to-transform-agriculture/>

科技报告

1 . The Digitalisation of African Agriculture Report, 2018-2019 (非洲数字化农业报告, 2018-2019)

简介: Agricultural transformation is a priority in the policy agenda of African governments in their quest to meet the challenges of food and nutrition insecurity, climate change, youth unemployment and overall economic growth. With the right policies, innovation and investment, the continent's agriculture could be transformed into a powerhouse not only to feed a growing population but to create decent employment for millions of young people.

来源: 国际农业和农村合作技术中心 (CTA)

发布日期:2019-08-20

全文链接:http://agri.ckcest.cn/file1/M00/0E/81/Csgk0F1wv7yAUjeEATyh0mJ_aTg818.pdf

专业会议

1 . Developing Digital Agriculture Strategy in Europe and Central Asia / Fostering Digital Agriculture (在欧洲和中亚发展数字农业战略, 促进数字农业发展)

简介: The joint ITU-FAO session will take place on 11 September 2019 at 11.00h. This session will be held within the framework of the ITU Regional Initiative for Europe on ICT-centric innovation ecosystems that aims at establishing a sustainable culture of innovation through concrete strategic actions using information and communication technology (ICT) as an enabler. The main objective of this session is to bring together high-level stakeholders such as Ministries and Regulators from ICT sector as well as Agriculture' Ministries to share best practices and case studies, highlight gaps and identifying sustainable funding models to support e-agriculture, and focus on e-agriculture strategies and regulations systems across countries.

来源: FAO

发布日期:2019-09-03

全文链接:<http://www.fao.org/e-agriculture/news/developing-digital-agriculture-strategy-europe-and-central-asia-fostering-digital-agriculture>