



2019年第13期总180期

## 农业与资源环境信息工程专题

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1. 2019年非洲地理空间数据国际会议

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## ▶ 前沿资讯

### 1 . Data analytics to shape the future of earth observation (以数据分析塑造地球观测的未来)

简介: The earth observation industry is continually evolving, anticipating a seamless integration of new technologies, sensing modalities and unconventional data sources. As the demand for earth observation data explodes to address the challenges of the global population, climate change, disasters, etc., the earth observation industry is endeavouring to adopt innovative and progressive models imbibing the distinctive aspects of Earth observation data capture. In perspective, the future of earth observation is going to be all about disruptive technologies, innovative solutions, new applications and technology integration that will impact businesses and society alike.

来源: 地理空间世界 (印度)

发布日期: 2019-03-27

全文链接: <https://www.geospatialworld.net/blogs/future-of-earth-observation/>

### 2 . Working towards AI and Earth observation (人工智能和地球观测工作)

简介: 卫星在观测和测量星球的工作中为我们提供了大量的数据, 这些数据不仅有助于了解世界如何变化, 而且还通过大量的日常投入来使社会受益。为了将这些工作提升到一个新的水平, 欧洲宇航局正在探索如何利用人工智能 (AI) 从这些有价值的数据中获得更多。虽然卫星数据可以带来新的科学发现, 但人工智能可以为新式的地球观测创造条件。

来源: 欧洲宇航局 (ESA)

发布日期: 2019-03-11

全文链接: [http://www.esa.int/Our\\_Activities/Observing\\_the\\_Earth/Working\\_towards\\_AI\\_and\\_Earth\\_observation](http://www.esa.int/Our_Activities/Observing_the_Earth/Working_towards_AI_and_Earth_observation)

### 3 . Land-cover dynamics unveiled (揭示土地动态变化)

简介: Billions of image pixels recorded by the Copernicus Sentinel-2 mission have been used to generate a high-resolution map of land-cover dynamics across Earth's landmasses. This map also depicts the month of the peak of vegetation and gives new insight into land productivity. Using three years' worth of optical data, the map can indicate the time of vegetation peak and variability of vegetation across seasons. Developed by GeoVille, an Austrian company specialised in the analysis of satellite data, this land-cover map dynamics map uses Copernicus Sentinel-2 archive data from 2015-18, and gives a complete picture of variations of vegetation. The map is displayed at a resolution of 20 m, however a 10 m version is available on request.

来源: 欧洲宇航局 (ESA)

发布日期: 2019-03-11

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全文链接:[http://www.esa.int/Our\\_Activities/Observing\\_the\\_Earth/Copernicus/Sentinel-2/Land-cover\\_dynamics\\_unveiled](http://www.esa.int/Our_Activities/Observing_the_Earth/Copernicus/Sentinel-2/Land-cover_dynamics_unveiled)

#### 4 . Digital Earth Africa: Satellite Data for Better Decisions (数字地球非洲区域项目：卫星数据辅助产生更好的决策)

简介：The Digital Earth Africa (DE Africa) program will build the world's largest operational platform for accessing and analyzing decades of satellite imagery specific to Africa's land and seas. DE Africa will translate data from the world's free Earth observation satellites into ready-to-use insights about the continent's environmental conditions. Such insights will enable African governments, NGOs, businesses, and individuals to make more informed decisions about soil and coastal erosion, agriculture, deforestation, desertification, water quality and changes in human settlements. The continent of Africa is bestowed with rich and varied environment, but it also faces immense developmental challenges viz potable drinking water, food security, faster urbanization and deforestation.

来源：地理空间世界（印度）

发布日期:2019-03-06

全文链接:<https://www.geospatialworld.net/blogs/digital-earth-africa-satellite-dat/>

### ➤ 专业会议

#### 1 . The Africa Geospatial Data and Internet Conference 2019 (2019年非洲地理空间数据国际会议)

简介：The Africa Geospatial Data and Internet Conference (AGDIC) was held in Accra, Ghana, from 21-25 October, 2019. The event brought people together from various stakeholder groups as equals, in discussions on public policy issues relating to geospatial and Internet in Africa. While there is no negotiated outcome, AGDIC informs and inspires those with policy-making power across all sectors. At the conference, delegates were able to discuss, exchange information and share good practices. AGDIC aims to facilitate a common understanding of how to maximise geospatial and Internet opportunities in Africa and address risks and challenges that arise.

来源：全球农业与营养开放数据网（GODAN）

发布日期:2019-03

全文链接:

<https://www.godan.info/events/africa-geospatial-data-and-internet-conference-2019>