

# CAS

## Explorations and Glories

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## Editorial

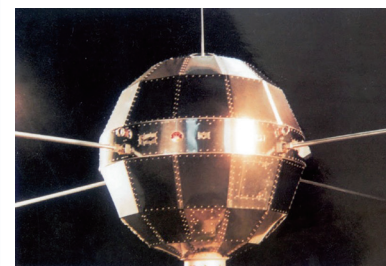
### 198 Working Together for a Brighter Future

HOU Jianguo

## Article

### 200 A Brief History of Space Science in China

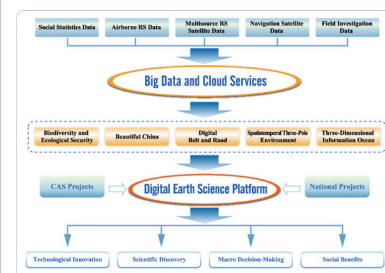
WU Ji



As the cradle of *Dongfanghong-1*, the first Chinese manmade satellite, CAS has been playing a key role in China's space science development.

### 208 CBAS: An International Platform of Digital Technologies Facilitating Sustainable Development Goals

GUO Huadong, LIANG Dong



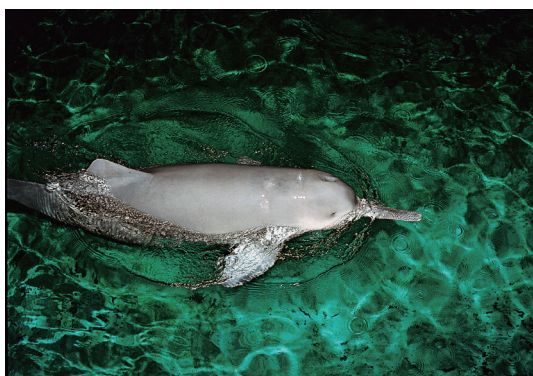
Based on the Big Earth Data Science Engineering Program (CASEarth), CAS moved on to use big data to fulfil the UN Sustainable Development Goals, answering challenges posed by the changing environment.

## A Special Issue (Series II) Celebrating the 75<sup>th</sup> Founding Anniversary of CAS

224

### Integrated Conservation Strategy for Endangered Small Cetaceans: Insights from the Case of the Yangtze Finless Porpoise

HAO Yujiang, TANG Bin, MEI Zhigang, ZHENG Jinsong, WANG Kexiong, FAN Fei, WANG Ding



CAS scientists have scored significant progress in the conservation of the Yangtze finless porpoise, an endangered freshwater cetacean species unique to the middle and lower reaches of the Yangtze River basin, integrating both *in-situ* and *ex-situ* conservation approaches.

### Perspective

233

### Palaeontologic and Stratigraphic Research at NIGPAS

WANG Jun, ZHAO Fangchen, WANG Bo, LÜ Junjie

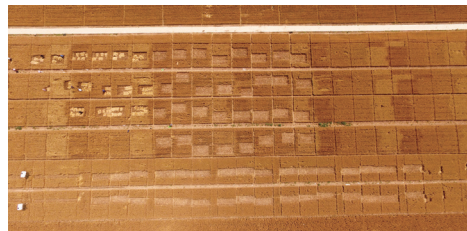


In cooperation with overseas partners, CAS geologists and paleontologists have made major discoveries substantial for our understanding of life evolution. The research and findings on the Chengjiang fauna, well known evidence for the Cambrian explosion, represent merely part of their work.

244

### Bohai Granary: Harnessing the Saline-Alkali Lands

LIU Xiaojing



The efforts of CAS scientists to cultivate crops through harnessing the saline-alkali lands surrounding the Bohai Sea have been rewarded with fields of golden grain, contributing significantly to the nation's food security.

251

### Safeguarding the "Black Soil Granary": Innovations in Soil Conservation and Sustainable Agriculture

JIANG Ming, JIA Zhongjun, WEN Ya, XU Hang, WANG Hongsheng, ZENG Yan, LI Lujun, CUI Mingxing, LI He, ZHANG Jiabao

259

### Marine Ranching: China's Blue Solution for Food Security

YANG Hongsheng, ZHANG Libin, LIN Chenggang, RU Xiaoshang, SUN Jingchun, HUO Da, XING Lili

267

### Fuel the Future: QIBET's Clean Energy Breakthroughs

YANG Xutong, CHEN Tianju, CHEN Song, ZHAO Yuzhong, PANG Shuping, LI Xiaojin, JIANG Heqing, WU Tianyuan, LV Xuefeng



A 1,000-ton-scale biomass chemical looping gasification pilot platform for green methanol production, showcasing the commitment of the CAS Qingdao Institute of Bioenergy and Bioprocess Technology to clean energy.