

China Showcases AI for Earth and Space at Geneva Summit



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GENEVA, July 12 – Chinese scientist Wang Jian, director of Zhejiang Laboratory and academician at the Chinese Academy of Engineering, delivered a captivating keynote at the AI for Good Global Summit 2025 in Geneva, unveiling China’s AI breakthroughs in Earth and space science.

In his address titled “Computing and AI: Endless Frontiers and Exploration,” Wang introduced two pioneering AI systems GeoGPT and OneAstronomy developed by his lab as part of the global “AI+Science” initiative. These innovations are transforming how scientists access, analyze, and collaborate on planetary and space data.

GeoGPT, tailored for Earth sciences, originated from the 2019 Deep-time Digital Earth (DDE) initiative involving 13 international bodies. Today, it supports over 40,000 researchers across 135 countries, facilitating geological data sharing and earning the “AI for Good Innovate for Impact” award by the International Telecommunication Union (ITU).

Transitioning from Earth to space, Wang introduced the “Three-Body Computing Constellation” a revolutionary in-orbit AI computing platform. Inspired by both Newton’s three-body problem and Chinese science fiction, the project achieved a major milestone in May 2025 with the launch of 12 computing satellites, paving the way for on-orbit AI deployment.

He also highlighted OneAstronomy, an AI model developed with the National Astronomical Observatories of the Chinese Academy of Sciences. Like GeoGPT, it was honored by the ITU as a top global innovation for 2025.

Wang, also the founder of Alibaba Cloud, reflected, “Cloud computing has always been ground-based. Now, for the first time, we’re putting computing into space.” He described a future where

computing satellites will complement communication, navigation, and observation systems
ushering in a new era of deep space exploration powered by AI.