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EO-1 satellite launch marks a new era in Sino-Pak space collaboration

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STAFF REPORT

Pakistan achieved a significant milestone in space technology with the successful launch of the EO-1 satellite on January 17, marking a major achievement in Sino-Pak cooperation. The satellite, developed by Pakistan's Space & Upper Atmosphere Research Commission (SUPARCO), was launched aboard the Long March 2D (LM-2D) rocket from the Jiuquan Satellite Launch Centre in China. The EO-1 satellite is equipped with advanced electro-optical sensors, allowing it to collect crucial data and images of Earth's surface by detecting reflected sunlight or emitted radiation. SUPARCO highlighted that the satellite would enhance Pakistan's ability to monitor and manage its natural resources, respond to disasters, and improve urban planning and agricultural development. The satellite is expected to play a significant role in precision farming, helping farmers manage irrigation, predict crop yields, and increase agricultural efficiency. It will also be instrumental in tracking infrastructure development, controlling urban sprawl, and ensuring sustainable growth. Environmental monitoring is another key aspect of the satellite's mission, with its ability to monitor deforestation, glacier recession, and water resources. Furthermore, the EO-1 will be crucial for disaster management, providing real-time updates on events like floods, landslides, and earthquakes, enabling timely responses to mitigate their impacts.