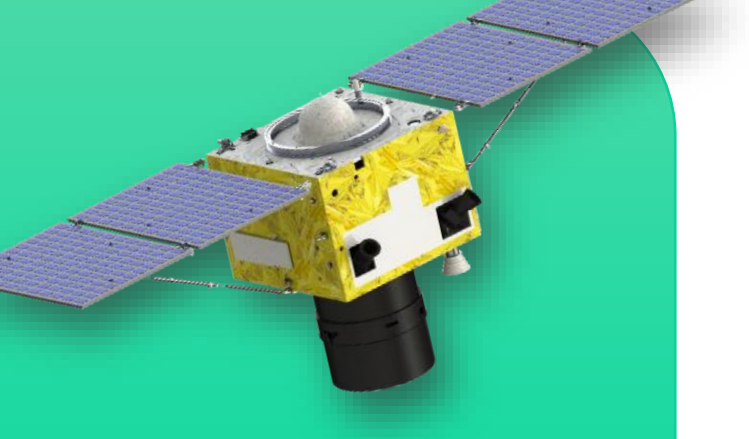


Unlocking Meteorological Insights with Advanced Data Sharing Platform

ECURS

SHAPING A CONNECTED, INTELLIGENT WORLD TOGETHER!

Near Real-time Monitoring

A web-based system providing real-time and historical meteorological data.

Different Applications

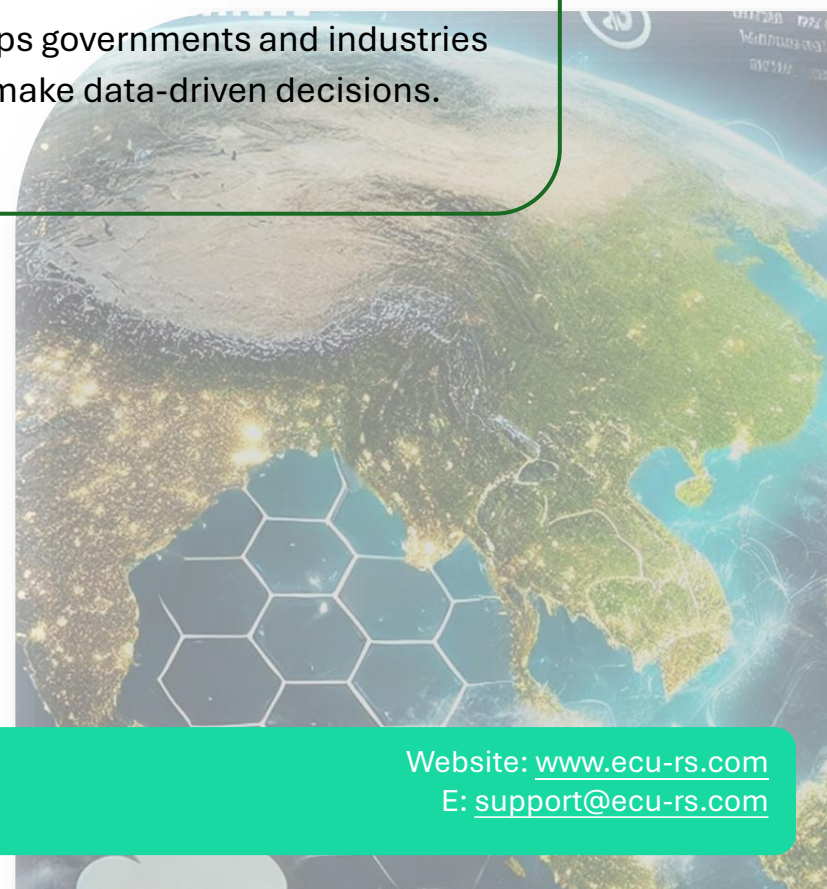
Supports climate analysis, disaster response, and environmental monitoring.

Comprehensive

Integrates information from satellite imagery and ground sensors to deliver precise large-scale and accurate weather insights.

Better Decision

Helps governments and industries make data-driven decisions.



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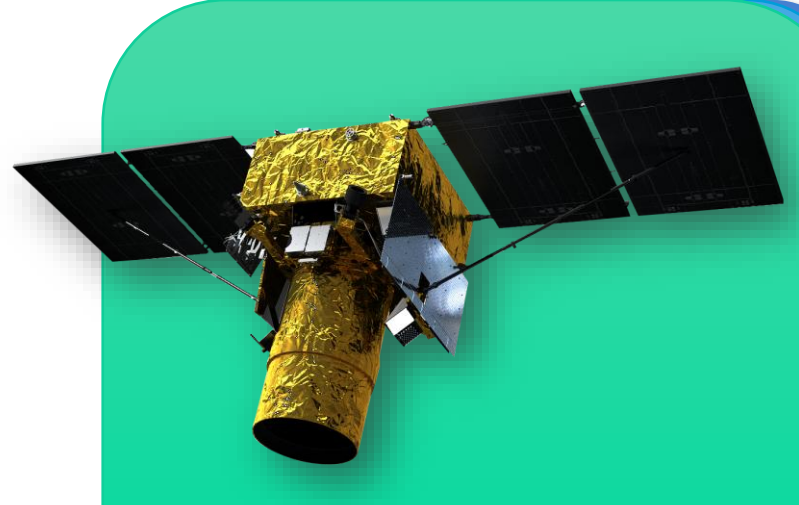

Key Features of the Platform

- Interactive Weather Maps for AOIs.
- Multi-source Data Integration from ground sensors & Fengyun satellites.
- Prediction Models: 1-hour, 24-hour, 3-day forecasts.
- Climate Indicators: Standardized Precipitation Evapotranspiration Index (SPEI), vegetation growth trends, soil moisture anomalies.
- Flood Monitoring: Flood area analysis, return period prediction, runoff volume estimation.
- Weather Station List & Time Series Analysis for climate trends.

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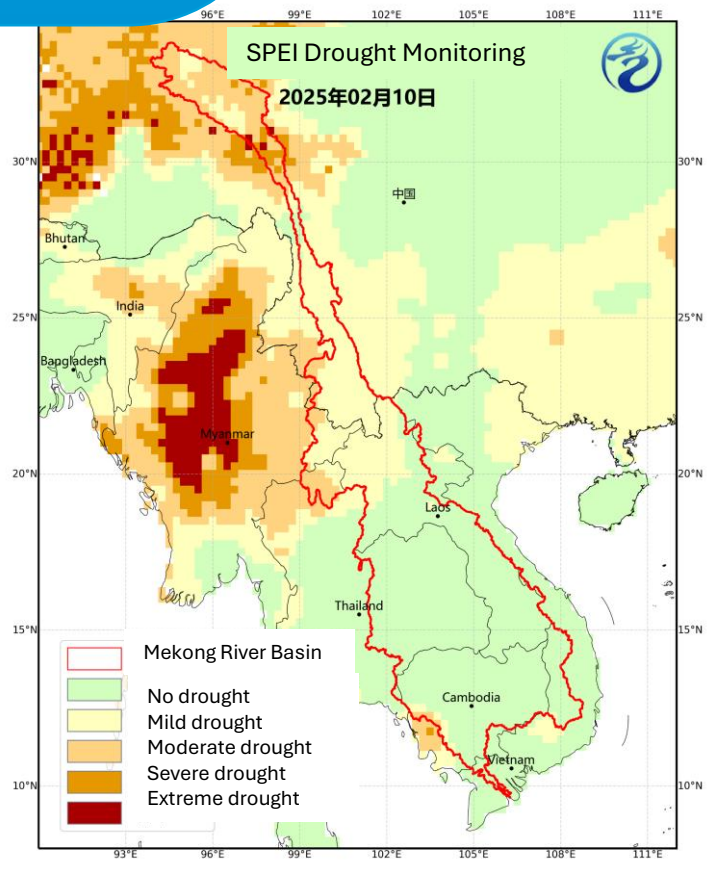
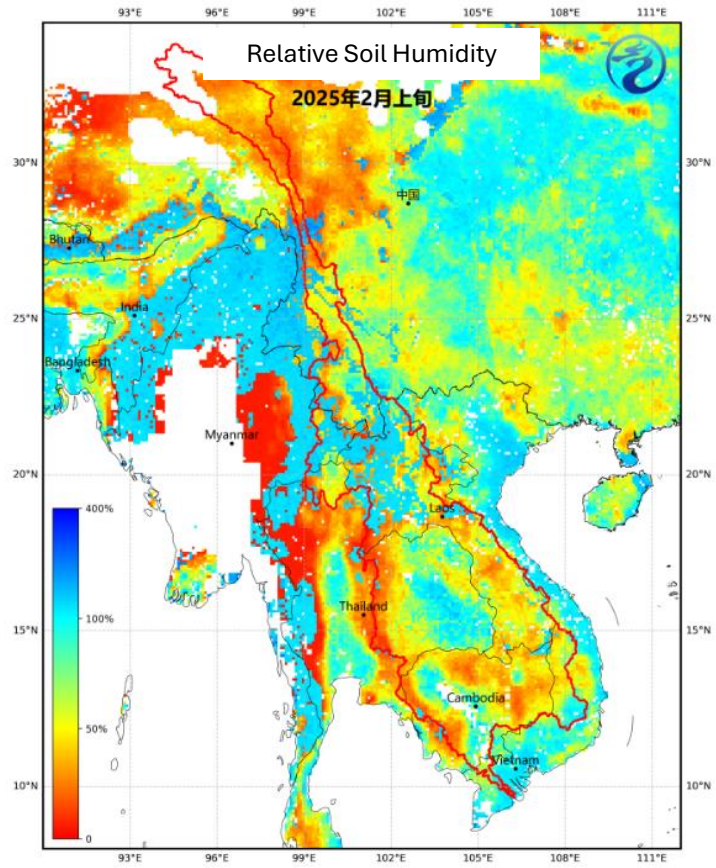
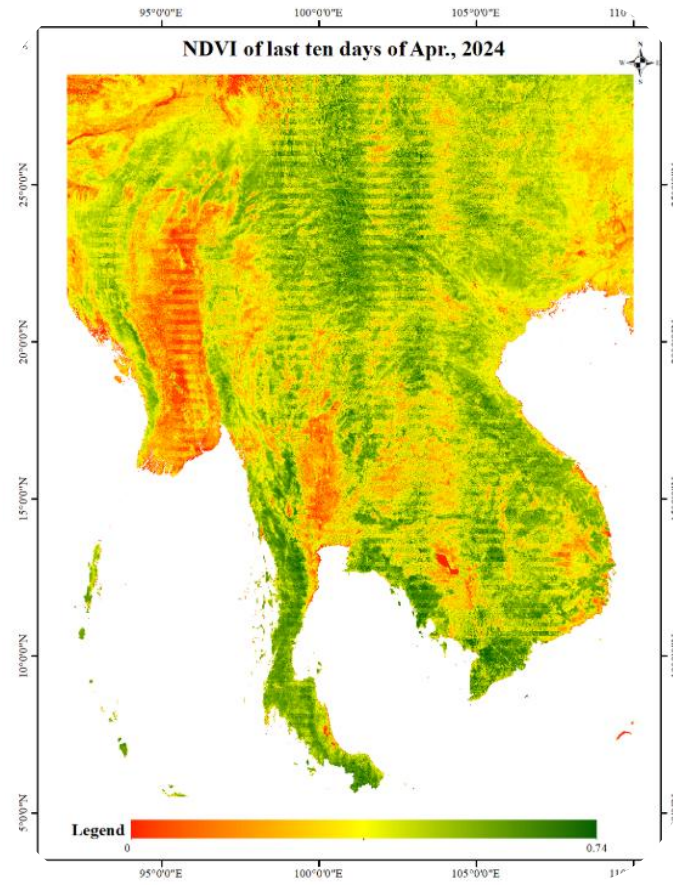
Climate/Agriculture Indicators: Adapting to Climate with Technology



SPEI Drought Monitoring
(Standardized Precipitation Evapotranspiration Index)



Relative Soil Humidity



Vegetation NDVI

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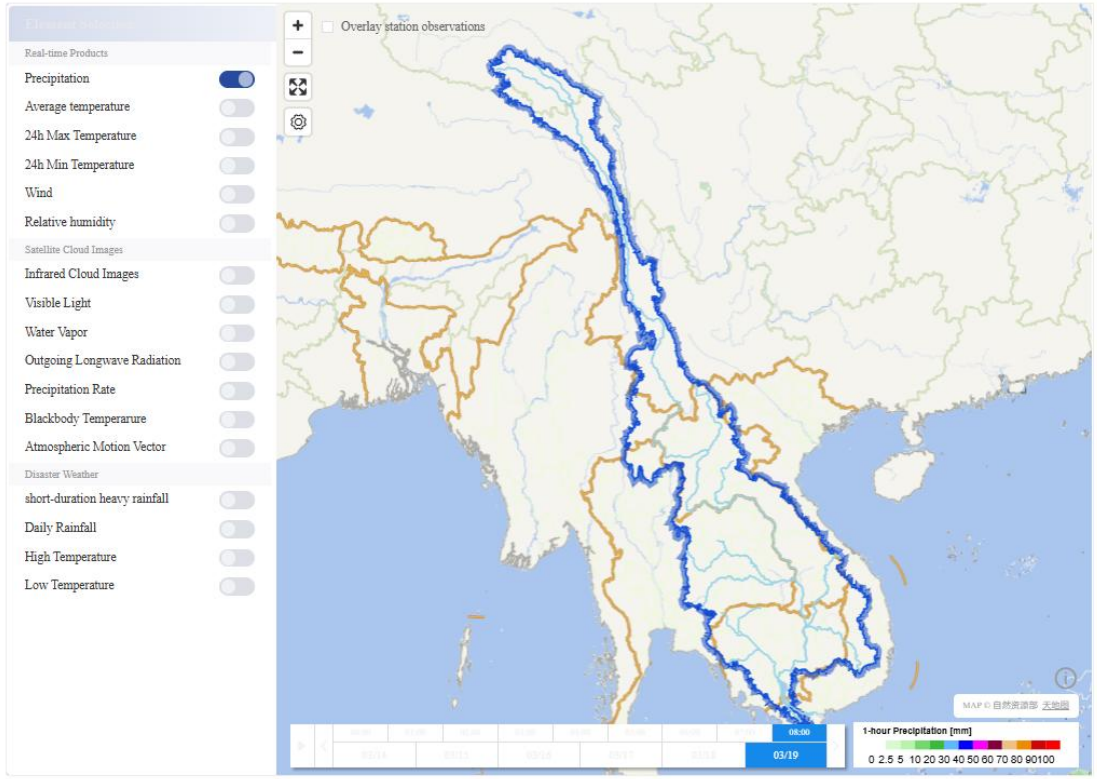
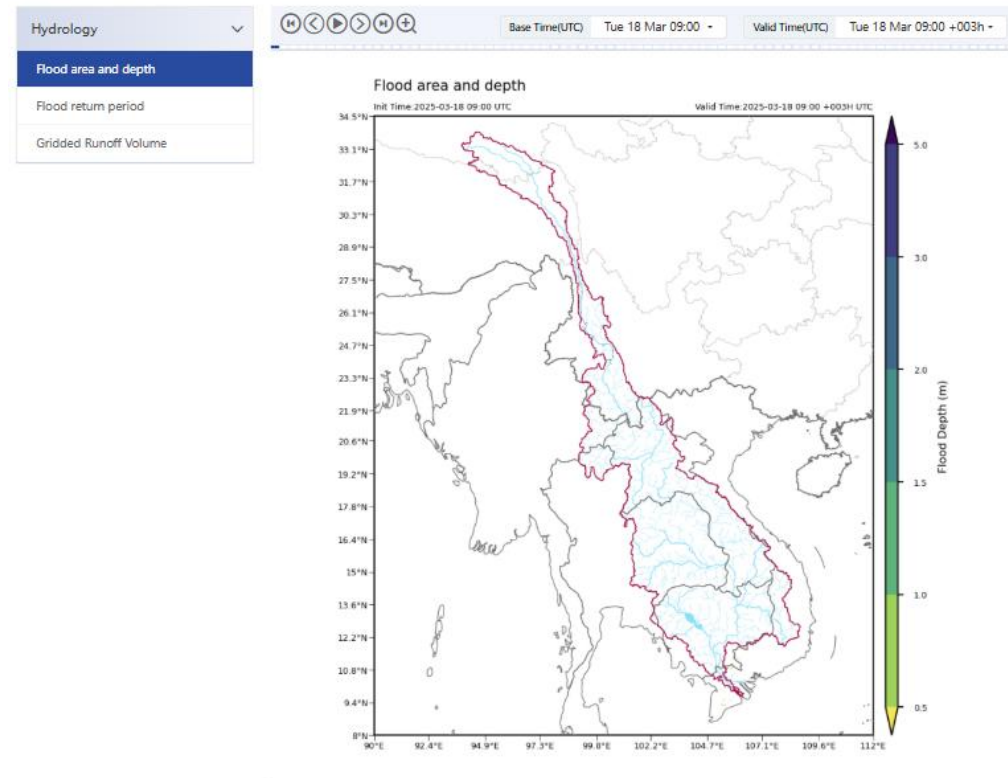
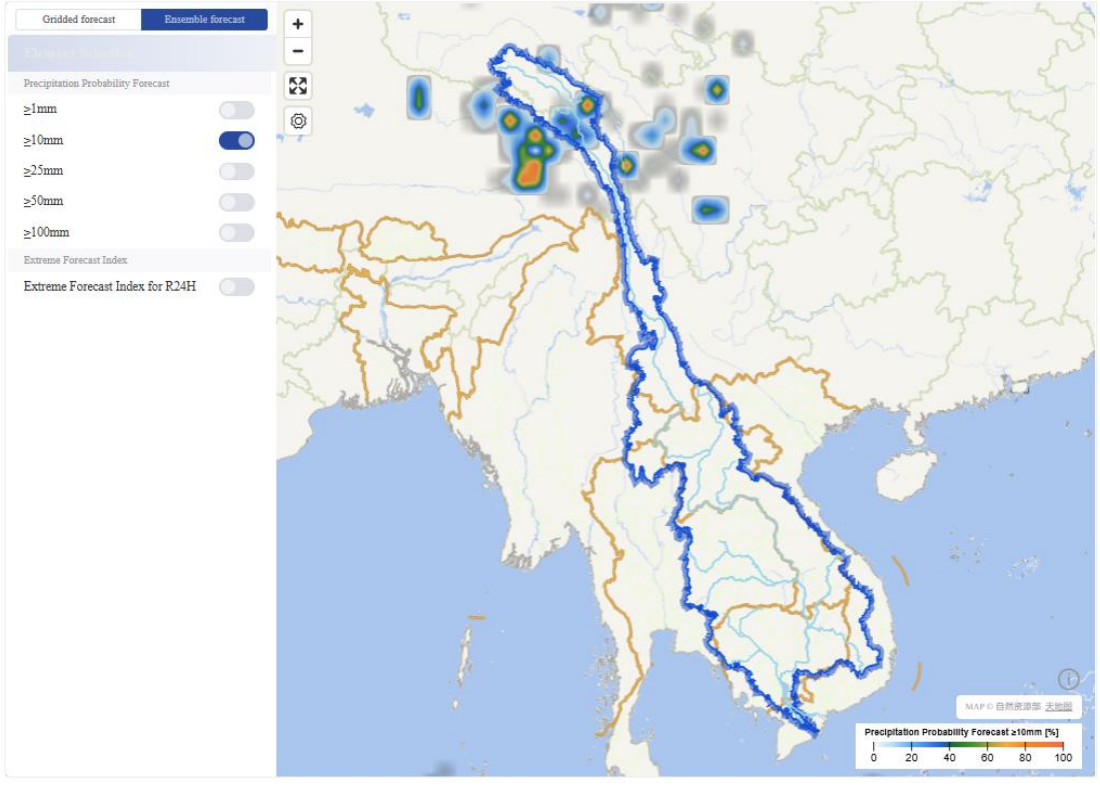


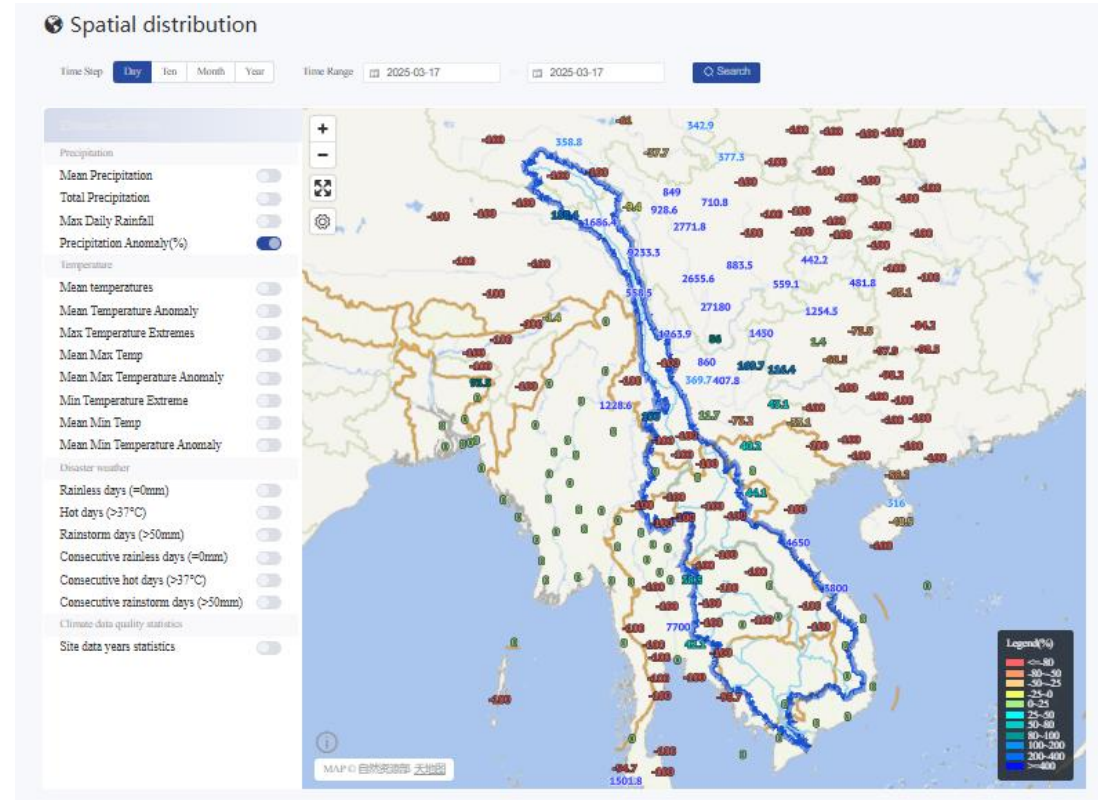
Observation Map



Flood Map



Forecasting Map



Climate Analysis

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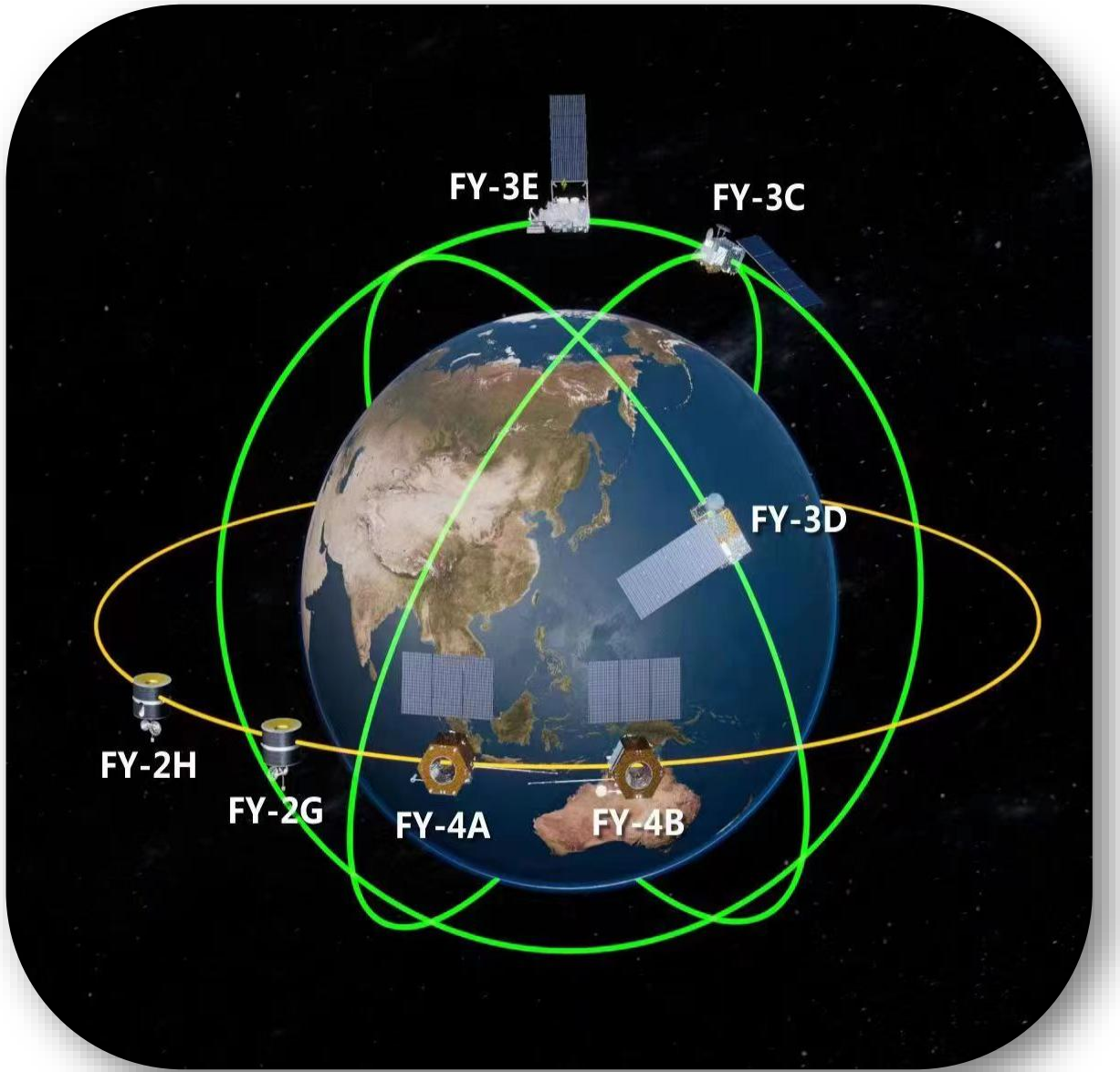

Satellite Data Integration

1. FY-4B (Geostationary): Real-time weather tracking, severe weather event monitoring

2. FY-3D (Polar-Orbiting): Climate observation, ocean monitoring, space weather analysis.

3. FY-3E (Polar-Orbiting): Wind field measurement, solar irradiance monitoring

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