Leveraging Space Information-Sharing Ecosystems for Marketplace-Like Climate Action and Sustainable Development

Engage with the future of climate action through space innovation—your participation could help shape the next era of environmental sustainability.

The ongoing global challenge of climate change demands innovative solutions, and space-based data has the potential to revolutionize how we understand and address this crisis. Based on cutting-edge research by experts from The MITRE Corporation and Aerospace Policy Solutions, this interactive presentation proposes a novel approach: creating a marketplace for climate action driven by space information-sharing ecosystems.

Key Insights:

Space Information-Sharing Ecosystems

- Discover how integrated space architectures and policy frameworks can create a centralized platform for exchanging climate data.
- Learn how this ecosystem can amplify the impact of climate initiatives by fostering international collaboration and transparency.

Government and Policy Dimensions

- Explore the critical role of government actions and international collaboration in making space-derived climate data broadly accessible.
- Understand the policy decisions behind open data initiatives, such as NASA Landsat and Copernicus, and their implications for climate action.

Technological Innovations and Economic Impacts

- Examine ways to leverage the latest advancements in Space Situational Awareness (SSA) and the Traffic Coordination System for Space (TraCSS) technology, enhancing the reliability and effectiveness of climate monitoring systems
- Gain insights into how these innovations can drive economic growth, foster the development of value-added services for climate resilience, and stimulate new business opportunities.

Socio-Economic and Environmental Benefits

- Learn about the potential socio-economic benefits of a space-based climate marketplace, including job creation, international cooperation, and improved environmental sustainability.
- Understand how this marketplace can catalyze innovation and cooperation, paving the way for more effective and coordinated climate action.

Actionable Recommendations

- Walk away with practical insights and recommendations on implementing a space information-sharing ecosystem to support global climate initiatives.
- Explore the vision for a future where space-based data and technologies are integral to achieving sustainable development goals.

Why This Matters

The intersection of space technology and climate action offers unprecedented opportunities to combat the global climate crisis. By creating a marketplace for climate monitoring, this interactive presentation highlights how space-based data can be leveraged to foster economic growth, enhance global cooperation, and drive effective and sustainable climate policies.

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Session Details

Session: Interactive Presentations - IAF Earth Observation Symposium
Date: October 18
Time: 12:50 PM
Location: IP Area (Hall B)

Presenters

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