Why the UN Global-Sat Initiative? Why Now and Why CANEUS?

CANEUS WORKSHOP
3rd UN World Conference on DRR

New Global Framework
For Sharing Space Technology & Data Standards
To Serve Nation’s Disaster Management Needs

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Warm Welcome to all Participants, and Fellow Expert Stakeholder Panelists

CANEUS Workshop Deliverables:
Devise a Strategy and Framework for A Global Small-Sat Constellation Proposal To The United Nations - UN
To create a Affordable, Sustainable, Adaptable and Scalable Solution Through Public-Private Partnership and Global Cooperation
Risk Reduction Activities Thrive Through Analysis of data

Disaster Monitoring & Reduction Activities Require Data from a Suite of Sensors With Different Capabilities and With Ability to Provide Global Coverage.

No Single Satellite Can Carry Such Complete Set of Sensors

No Single Country Can Afford to Develop Such Complete Set of Sensors & Satellite Systems
The Time Has Come
To Create a Low Barrier of Entry,
Common Shared Platform,
That Allows Sharing of
Space & Data Segments

System, Data, Solutions
To be Placed at the Service of
The United Nations
To Better Fulfill their Commitments in the
Post-2015 Framework
For Disaster Risk Reduction
The CANEUS (CANada-EUrope-Americas-Asia-Africa) Network, founded in 1999
Serves to bridge the gap
Between the “haves” & “have-nots”

For Socio-Economic Benefits
Of Emerging Space Technology Applications
Through a Coordinated, End-to-End Solution
By Bringing Together
End-users, Technology Developers, Policy-Makers
and Public/Private Funding Organizations

Over 15+ years, CANEUS has created PPP Consortia
with Stakeholders worldwide
For Developing, Integrating and Testing Affordable Space Technology Solutions Through Sharing of Cost and Risk
Creating Coordinated “Ecosystem: The basis of CANEUS Mission

- Maximize Return-on-Investment for Emerging Space Technologies and Concepts and laterally **compress the S-Curve**

- Develop a **coordinated, end-to-end** user driven strategy

- Promote rapid cost-effective & timely solution by creating **application pull**
CANEUS CONSORTIA STAKEHOLDERS

- Technology Developers
- Universities
- Organizations (priv./gov.)
- End-Users
- CANEUS Working Groups Industry
- Funding
- Government Laboratories
- Policy Makers

- CANEUS

- BRAZIL
- AFRICA
- ASIA
- CANADA
- USA
- EUROPE
CANEUS’ Consortia Success Examples

- **CSSP**: Collective Safety, Security & Prosperity using Shared Small Satellites in Africa, Middle-East, Americas, Arctic, etc.
- **SSTDM**: Small Satellites and Sensors for Disaster Management in India, etc.
- **Data**: Demonstrations and Management in Africa, Asia, Oceania regions
- **FBW**: Fly-by-Wireless for Sustainment and New Aerospace Systems
- **MNT**: Micro-Nanotechnology for Aerospace and Energy Applications
- **CoE**: Centre for Excellence in Naotechnology, Energy
- **NAVIN**: Nano Materials and Sensors for Aerospace Vehicles
CANEUS Workshop Key Goal:
Gather stakeholder’s perspectives to develop a global framework

Related Issues:
1. What are the needs and challenges with space based DRR data management?

2. What are the limitations and features of existing and planned satellite based technology solutions?

3. What are the broad programmatic issues?

4. What solution do the end-users prefer to enable International PPP?
The CANEUS Workshop has been Structured to help the Global DRR Community To establish Important guidelines for The Global-Sat To truly be Affordable, Sustainable, Adaptable and Scalable
We Need
Your Valuable Input

Thank You