

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

The background of the slide is a blue-toned image of Earth from space, overlaid with a network of white and blue lines representing satellite orbits or data connections. A vertical red line is positioned on the left side of the image.



UN World Conference on
Disaster Risk Reduction
2015 Sendai Japan


CANEUS
UN Global Sat
Disaster Risk Reduction

CANEUS WORKSHOP
3rd UN World Conference on DRR

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

Milind Pimprikar, Founder & Chairman, CANEUS , mp@caneus.org

**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***

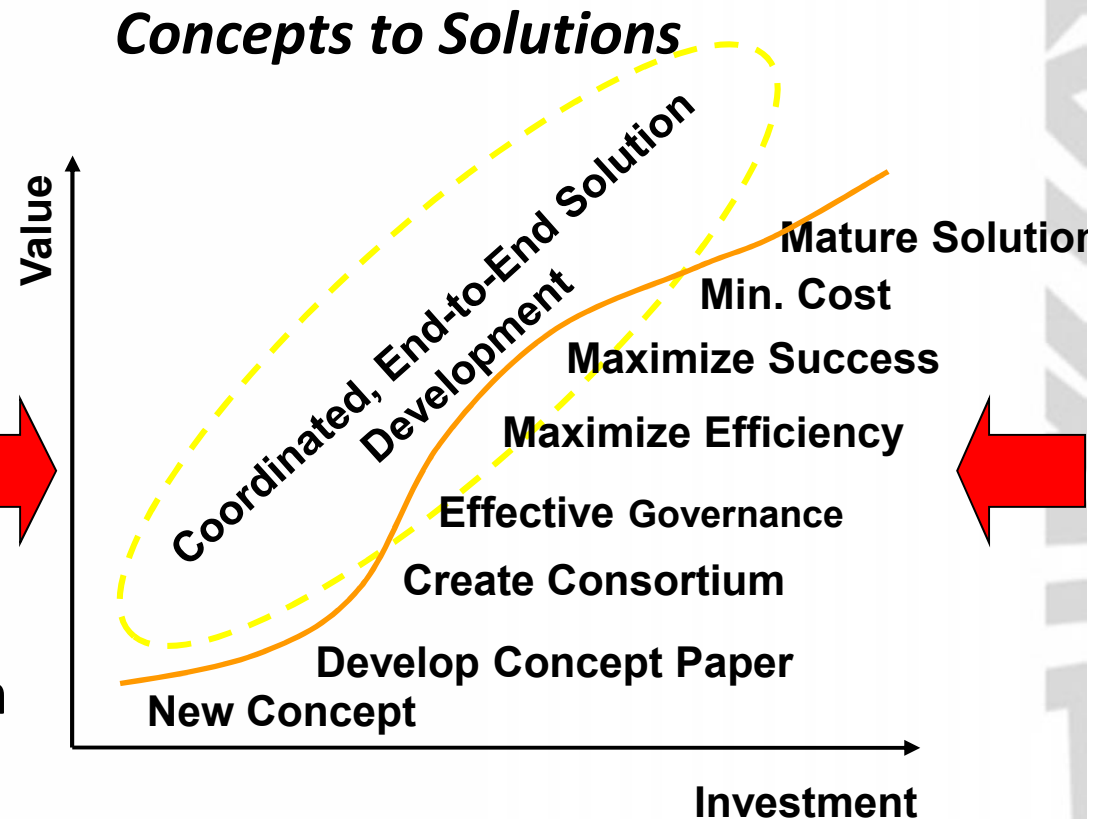
***End-users, Technology Developers, Policy-Makers
and Public/Private **Funding** Organizations***

**Over 15+ years, CANEUS has created PPP Consortia
*with Stakeholders worldwide***

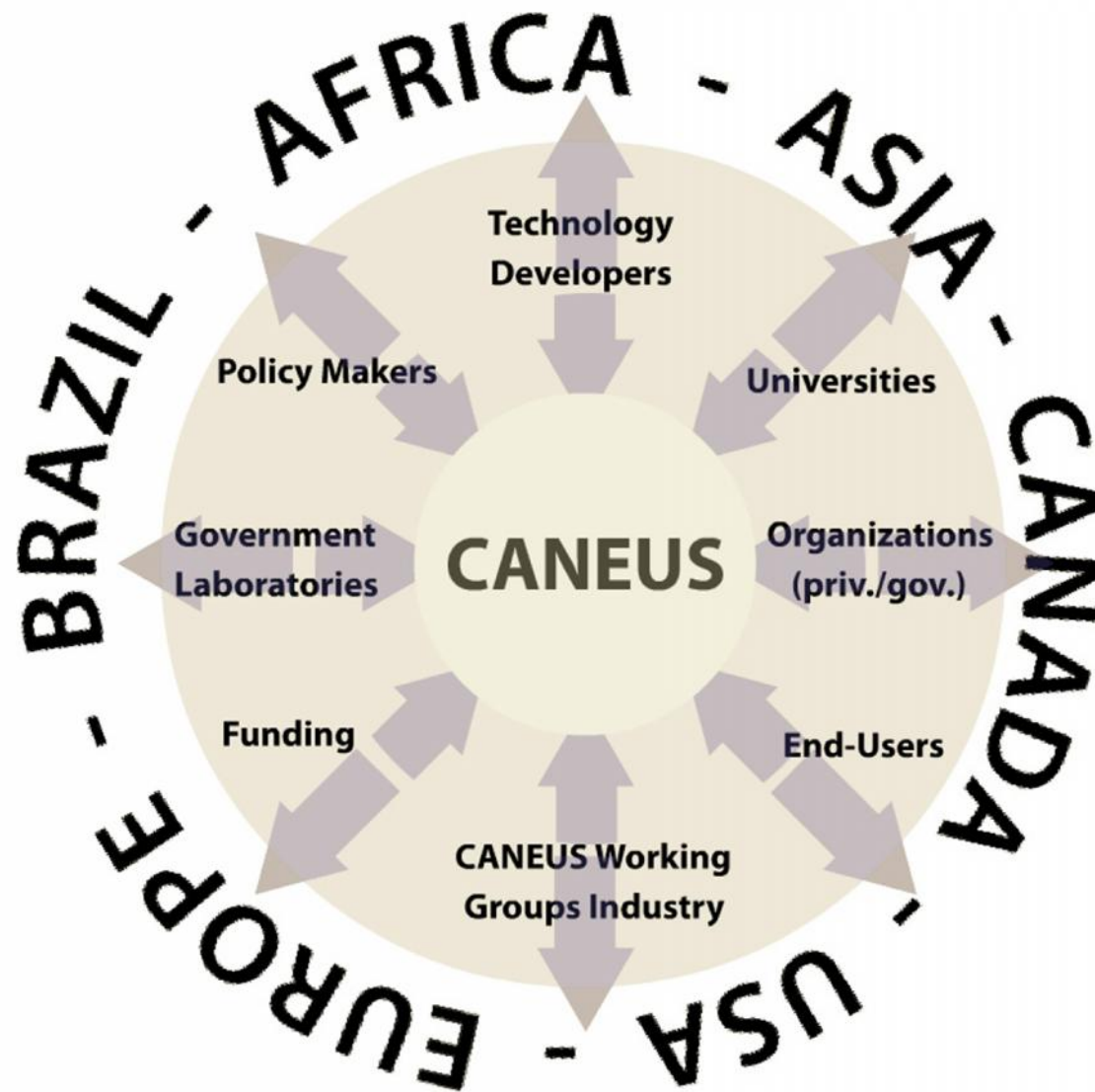
For Developing, Integrating and Testing Affordable Space
Technology Solutions Through Sharing of Cost and Risk

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



CANEUS' Consortia Success Examples

SECTOR CONSORTIA

SMALL SATELLITES

RELIABILITY

FLY-BY-WIRELESS

DEVICES

MATERIALS

- **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 Nanotechnology, 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