

# Collaborative and Coordinated Shared Space based PPP for DRR



To Create **Global** Collaboration Framework  
Through Coordinated **Country** Specific  
“Pilot Project Demonstrations” – **PPD's**

In Support of

Global Platform for Disaster Risk Reduction  
Fourth Session, Geneva, Switzerland  
May 19-23, 2013

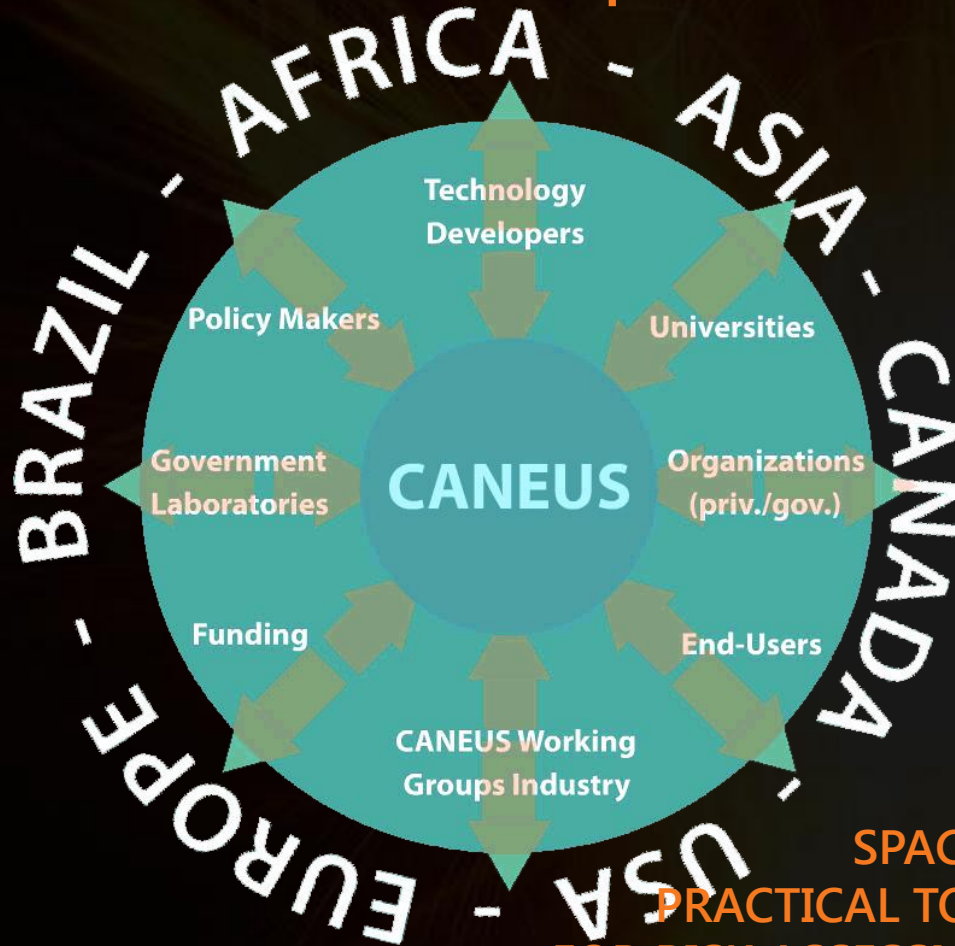
**Milind Pimprikar**  
Chairman  
CANEUS International

# Outline

- 1. Goals, Objectives and Members of the CANEUS Global Network**
- 2. Major Achievements: Work and Outcome to Date**
- 3. Future goals and contribution to post-HFA 2015**
- 4. Possible synergies and overlaps with other networks and needs for coordination**

**CANEUS Global Network**  
**Sole Purpose:**  
**Enable Productive Global Partnerships**

**Partnership Objective: To Leverage Complementary Competencies to Address Common Needs**



**SPACE-BASED PRACTICAL TOOLS & METHODS FOR RISK ASSESSMENT AND REDUCTION**





# CANEUS-Shared Small Satellites

CSSP (Collective Security, Safety, and Prosperity)

*LIMITED OBJECTIVE DEMONSTRATIONS*

*Lessons Learned and need for UN led Global-Sat*



# Need for Global Collaborative and Coordinated Public-Private-Partnership

Major global and regional developments with Hyogo Framework for Action	Productive collaboration among multiple stakeholders
A stronger and more sustainable disaster risk reduction and resilience	To reduce vulnerability of citizens worldwide to hazards
Outstanding issues and challenges	Development and use of emerging Aerospace tools and technologies
Crucial activities and priorities	Limited Objective Demonstrations – LOD's
Shared resources	Reduced risks
Multi-Countries-Regions	Collective Safety & Sustainable Prosperity



# Answer

- **Multi-national, shared emerging space-technology based tools and techniques will promote cooperation, trust and interdependence for the mutual benefit of all stakeholders concerned with disaster risk reduction.**
- **Complementary skill sets and resources from across the nations are needed to rapidly and cost-effectively apply emerging technologies and methodologies to benefit the “have’s” and “have-nots” for addressing evolving disaster needs by leveraging resources from public-private sectors .**
- **The ability to share information and resources will enable international partners to foster collaboration and cooperation to enhance their capability.**

# Objective of CSSP-PPP – LOD's At Global Platform 2013

1. CSSP objective is to demonstrate the benefits of sharing assets (Space, ground segment infrastructure, data products, etc,) in a multi-country and multisystem environment to support the activities of any given country to use the data to support their disaster reduction needs.
2. Provide a collaborative environment that can be used to identify issues related to such operational environment and identify solutions to resolve these problems based on “needs analysis” and how the emerging space technology based tools and resources can “bridge the gaps”.
3. Identify the issues to scale-up this project involving a larger number of countries and the barriers to prepare the foundation for the global PPP.





# Global Platform Disaster Reduction

CSSP (Collaborative Shared Space-based PPP)

*LIMITED OBJECTIVE DEMONSTRATIONS*

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**Proposed Country-Specific Programs  
Leading to  
Globally Coordinated Strategy**



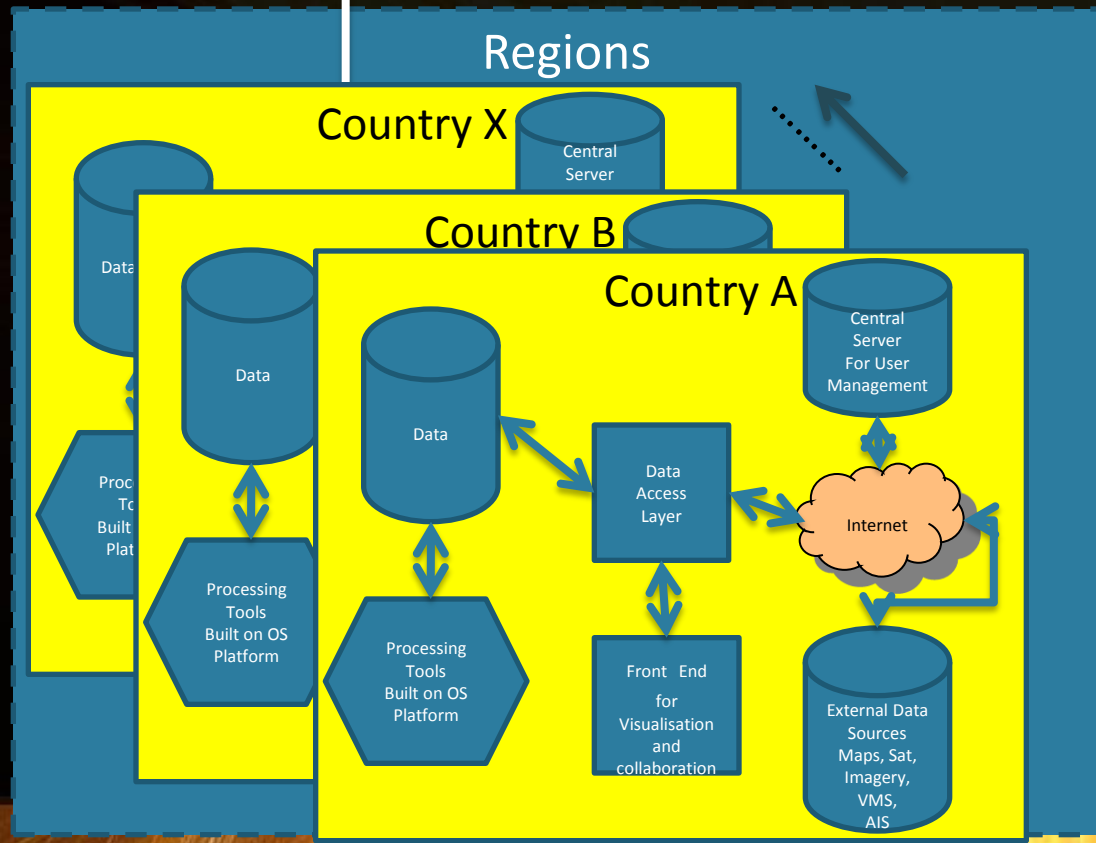
# PPP-Based CSSP LOD Program

Global Configuration with Application to Country / Region

- Outcomes**
- Needs analysis
  - Technical issues
  - Financials
  - ConOps
  - Barriers

- Level 1: Cross Issues, Disaster Warning Data Acquisition and sharing**  
**Level 2: Requirements Region Level Country Level**  
**Level 3: Identification of Barriers**

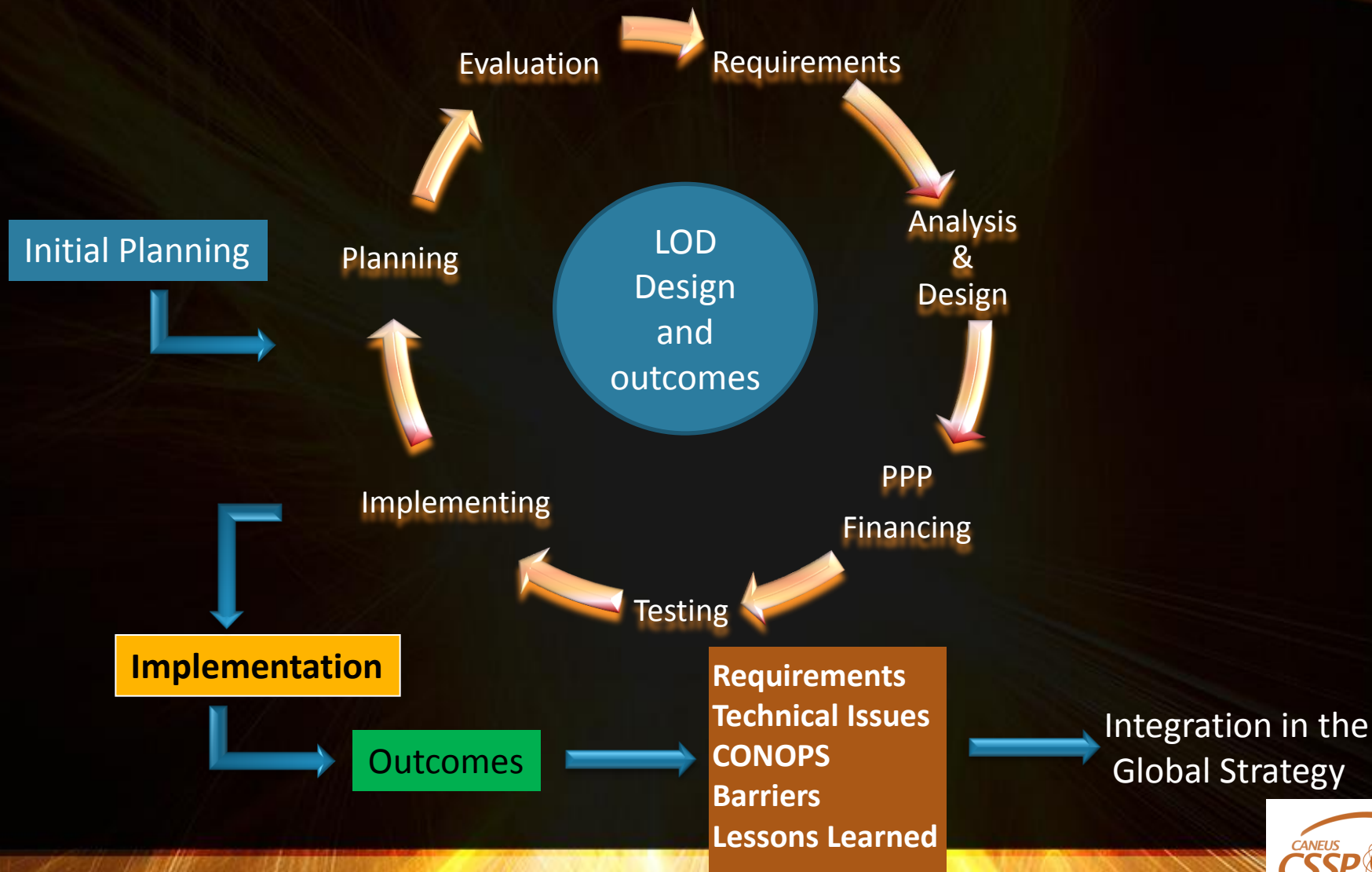
- Horizontal issues:**
- Data Access, Data Sharing, Data Distribution
- Cross requirements [Harvest the results of the LOD's]**
- Program Management:**
- LOD Program [ Specific countries, Representatives of the global requirements for the sharing of disaster data]
  - Technical Issues
  - Operational Issues (data)
  - CONOPS (Country)



Project Demonstration support  
PPP



# PPP-Based CSSP LOD Design



# What will be the expected outcome?

The discussion at the GP 2013 will help to formulate PPP based Limited Objective Demonstrations covering:

- **Potential PPP Concepts**
- **Timelines**
- **Implementation Framework**
- **Success Criteria / Assessment**
- **National / Regional /Global Framework**



**Thank you!**

**CANEUS International**

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