Working Session 10
Scaling up, scaling out and scaling deep: Innovations in Disaster Risk Management

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MEDiate for Nature Based Solution
MEDiate (Monitoring, E-evaluation and (co-)Design Ideation process for upscaling Nature-based Solutions

Urbanizing World

Increasing Disaster Risk

Climate Change Impact

A Sense of Urgency to Upscale Innovation
Status of Critical Infrastructure: South Asian Outlook

South Asia Alliance of Disaster Research Institutes (SAADRI)

**Essentials, Crucial and Important:**

- Specific investment policy for critical infrastructure resilience
- Transboundary data sharing on hazards and risks
- Periodic updates of the CI database at the national and local levels
- Balance of gray, blue and green infra based on local socio-economic conditions & ecosystem
- Both hard and soft assets in CI in terms of priority.
- Research and innovation on CI, both at local and national, as well as regional levels
MEDlate (Monitoring, E-valuation, (co-)Design and Implementation) process for upscaling Nature-based Solutions

**Monitoring of the Natural elements:**
health, change in biota/ soil/ water, encroachment, stakeholders’ interest etc.

(Technology & Social) **Innovation & Start-ups in the field of** in the field of Monitoring:
The Geospatial Mapping of Natural Ecosystem (GeoSM-NatE) Tool: Geospatial tools and Earth Observation data and image analysis technique
**MEDlate** (Monitoring, E-valuation, (co-)Design and Implementation)

process for upscaling Nature-based Solutions

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**Evaluation:**

Global re-recognition of *value* of the NbS AND *evaluation* of its ESS, process & assets in

a) biophysical, eco-environmental terms like tons of carbon, and

b) socio-economic terms like net present worth (NPV)

Establishing **tangible and intangible impacts of NbS** in B/W

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(Technology & Social) **Innovation & Start-ups** in the field of Evaluation:

Natural Capital Project- Integrated Valuation of ESS & Trade-offs (**InVest**)

Traffic light Indicators
**MEDlate (Monitoring, E-valution, (co-)Design and Implementation)**

process for upscaling Nature-based Solutions

**(Co) Design Ideation:**

Physical and fiscal planning & Design;
Strategic Network design, Predictive modelling and simulations;
People-centric livelihood revitalization.

(Technology & Social) **Innovation & Start-ups** in the field of Design Ideation:
Palm-coir used for canal banks
Innovative floating toilets for water-based communities
Green highway (gray, blue & green).
**MEDlate (M)onitoring, (E)-valuation, (co-)D(e)sign and Implementation**

process for upscaling Nature-based Solutions

**Implementation:**

Priority need for reconstruction/ restoration

Assistance in terms of Financial as well as skilled people and knowledge.

Regional scale without geo-political border, as promoted by SAADRI (www.saadri.net) and others

**Conclusion:**

Incentives- Acknowledgements like Ramsar List enlistment, Awards, Angel investors, Incubation

THANK YOU!

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