



Technology Development, Deployment, Diffusion and Transfer The Needs of Small Island Developing States

Presented By

Mr. Arthur W. Rolle

On Behalf of

The Alliance of Small Island States (AOSIS)

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Technology Needs of SIDs

Cost-effective technologies for:

- ✓ Adaptation (e.g. to provide food from land and sea; restore fisheries (food security) and to protect coral reefs, beaches and shorelines from rising sea level);
- ✓ Mitigation (e.g. to provide clean and affordable energy for development);
- ✓ Early Warning Systems



Barriers

- ✓ Not enough supporting in-country demonstrations to enable learning by doing;
- ✓ Lack of capital to support deployment;
- ✓ Lack of knowledge in identification of areas when technology application would have the greatest overall impact;
- ✓ Low return on investments for adaptation
- ✓ Lack of economies of scale



High Priority Areas

- ✓ Energy efficiency and renewable energy technologies in practical measures to reduce emission:
- ✓ Approaches agreed that help SIDS to implement renewable energy and energy efficiency technologies to promote sustainable development (mitigation? / financing?)
- ✓ Need appropriate financing to develop indigenous manufacturing/repair capacity in SIDS regions. Taking example of Barbados in becoming a solar-energy manufacturing resource for the Caribbean region.



Specific Proposals

- ✓ Agree to a project to improve the resolution of topology and bathymetry in SIDS through the use of LIDAR (a light-based measurement technology) and drawing on SIDS expertise;
- ✓ Develop specific proposals to give to SIDS representatives in the EGTT to access financing and expertise to initiate work on S/S co-operation on manufacturing capacity.
- ✓ Secretariat could compile a register on the basis of submission of Annex I Parties of available technologies and the cost for developing countries to adapt them
- ✓ Develop an international fund to fast-track development of renewable energy technologies



Scaling Up

What to Scale Up?

- Proposals include work on specific technology solutions;
- Technology cooperation initiatives;
- Technology agreements and protocols;
- Sectoral-technology approaches

How to Scale Up?

- Enhanced partnerships;
- Strengthened private sector participation;
- Collaborative R&D, etc.