



Global Supply Chain
Forum
Barbados
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CLIMATE CHANGE ADAPTATION, RESILIENCE - BUILDING AND DRR FOR PORTS

23
MAY



REGINA ASARIOTIS

PORTS ARE:

Critical - Economic engines
Complex - Multiple stakeholders/decision makers
Constrained - Specific & ecologically sensitive locations

RESILIENCE ASSESSMENTS INCREASE ADAPTIVE CAPACITY

- Gain understanding
- Enhance relationships with stakeholders
- Educate on climate issues
- Identify funding
- Formalize planning



AUSTIN BECKER

CHALLENGES

- More and stronger hurricanes
- Sea level rise
- Increased precipitation

CHANGE HOW WE THINK ABOUT LONG TERM CHANGE
IT WOULD TAKE +50 YEARS TO HAVE THE DESIRED IMPACT

Climate Change Resilience plan Engagement & Collaboration

- A growing crisis
- To reduce economic impact and uncertainty
- Address constraints

UNDERSTAND
how systems operate and interact with each other
PREPARE
for properly planned, funded and constructed transport Infrastructures while understanding maximizing efficiency of the chain
COLLABORATE
transport infrastructure with other critical sectors i.e energy, water, communications

NO PRICE IS TOO MUCH FOR RESILIENCE!

The benefits are worth it! 😊

Data should drive policy as a way to market resilience



Too SMALL INVESTMENTS



GIUSEPPE MANCINELLI

IMPACT ON PORTS

- Direct infrastructure damage
- Indirect costs - clean up costs, lost wages
- Intangible consequences - things hard to quantify in monetary terms, like quality of life, loss of essential services

UNOPS' mandate: Infrastructure, procurement and project management for a more sustainable world
Flagship programme: DRIVE - data collection, assessment, impact, action

Data sharing Protocols to meet everyone's needs
What data you're collecting
How to manage and store
Who will have access

BIM Building Information Modeling
Design Optimization
Coordination & Collaboration
Simulation Analysis
Climate Resilience

MAINSTREAMING ADAPTATION IN POLICY

National Adaptation Plan needed in SIDS - more knowledge

Allocate funding & resources

Establish frameworks (legal & regulatory)

Climate Change

Human Resources to be expanded

Data and Risk Assessments - monitor, evaluate, report progress

International Collaborations and Cooperations

Migration to be discussed more

Promote Stakeholder Engagement and Public Participation



JENNIFER DOHERTY-BIGARA

BARRIERS TO RESILIENCE INVESTMENTS

BOTTOM UP BARRIERS
Lack of knowledge, money, not enough risk, too overwhelming

TOP DOWN LEADERSHIP VOIDS
Overlapping jurisdictions, limited mandates, resource constraints, political will limits

Shipping Industry doesn't seem to be

INVEST IN TECH
identify problems before its too late

CAPACITY BUILDING
train people

FOSTERING PARTNERSHIPS
regional and international



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