Adaptation at the local level
- Highlights from the Adaptation Fund Financed country initiatives

Dr. Pradeep Kurukulasuriya
Head - Climate Change Adaptation
UNDP
Myanmar DROUGHT

MORE WATER = MORE RESILIENCY

community irrigation system doubles rice production
ONE METER ABOVE

I wake up in the middle of the night to the sound of waves crashing against my house...

Lamya Mohamed

80% of land in the Maldives is below a meter above sea level
Adaptation Fund  $131 Million Portfolio  22 projects in 22 countries

$971 MILLION PORTFOLIO (ACTIVE)
$1.1 BILLION
$6.1 MILLION

AVERAGE FUNDING PER PROJECT

Expanding UNDP’s Support to Countries

161 PROJECTS
78 Africa
51 Asia-Pacific
11 Latin & Central America
10 Arab States
7 Europe & Central Asia
4 Global

SOURCE OF FUNDS (Million USD)
595 Least Developed Country Fund
131 Adaptation Fund
58 Special Climate Change Fund
42 Bilateral
136 Green Climate Fund
9 Strategic Priority on Adaptation

85 COUNTRIES including:
48 LDCs Least Developed Countries
18 SIDS Small Island Developing States

Empowered lives. Resilient nations.

22 projects in 22 countries
Adaptation Fund and UNDP Signature Programs

1. Supporting Integrated Climate Change Strategies
2. Advancing Cross-Sectoral Climate Resilient Livelihoods
3. Ecosystem-Based Adaptation
4. Fostering Resilience for Food Security
5. Climate Resilient Integrated Water Resource and Coastal Management
6. Community Resilience through Integrated Landscape Management
Power of Collective Action

Empowerment – a critical ingredient for successful adaptation

Mauritius
- Mangrove nursery – 20,000 planted
- Community-based approach
- Planting campaigns
- Seaweed farming

Colombia
- Rainwater harvesting
- Adaptive rice production
- Home gardens
- Wetland restoration
Barrier Removal is Critical

**Turkmenistan**

**Legal and Institutional Barriers:**
- Awareness raising among policy makers
- Revisions to nation’s Water Code
- Community-level water management – Water User Groups
- Gender mainstreaming – 30% women’s membership
- Water tariffs – maintenance of water infrastructure
- Recommendations to farmers – reduce degradation

**Cost and Technological barriers:**
- Dams and reservoirs
- Irrigation systems
- Greenhouses
- Afforestation
- 30,000+ people increased resilience
Early warnings save lives and build climate resilience

- Mauritius is the **first** SIDS in Indian Ocean with its own storm surge Early Warning System (EWS)
- **Fully automated** EWS predicts where and when a storm surge is expected
- **Timely alerts**, up to 3 days in advance (probabilistic forecast) and 6 hour deterministic forecast, when a storm threatens
- **High performance** computers and equipment provided
- **Capacity building** of the Mauritius Meteorological Services (MMS) staff enhanced through training
- **Simulation drills** in coastal areas sensitise population in responding to the alerts
Transformational Change

1. Strengthening national and sub-national systems is critical

2. Incubators necessary for testing

3. Transformational change is context specific; Part of a continuum that includes coping, adaptation, resilience and transformation (change of state)

4. Planning, data is necessary but not sufficient

5. Incentivizing behavioral change for scaled up action
Visit: www.adaptation-undp.org