

Adaptation at the local level

- Highlights from the Adaptation Fund Financed country initiatives

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Head- Climate Change Adaptation
UNDP



ADAPTATION FUND

*Empowered lives.
Resilient nations.*



Myanmar **DROUGHT**



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DP

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U Aung Myint

MORE WATER = MORE RESILIENCE

community irrigation system doubles rice production

Maldives

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



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Adaptation Fund and UNDP Global Portfolio

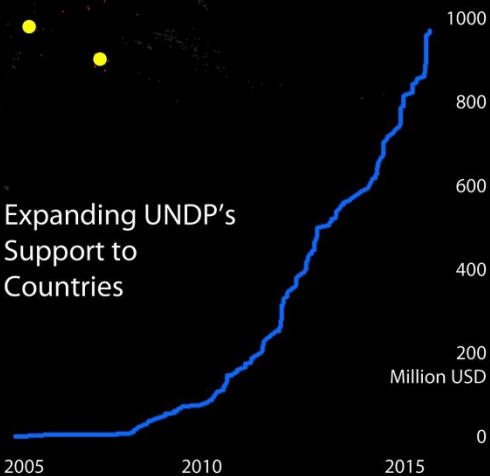


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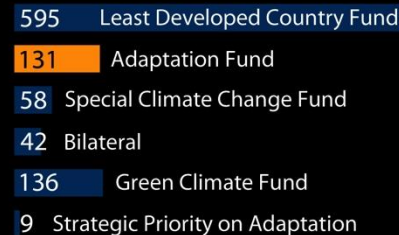
Designed by Judson Peck, UNDP, 2016



161 PROJECTS



SOURCE OF FUNDS (Million USD)



85 COUNTRIES including:

48 LDCs
Least Developed Countries

18 SIDS
Small Island Developing States

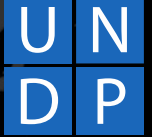
Adaptation Fund

\$131 Million Portfolio

22 projects in 22 countries

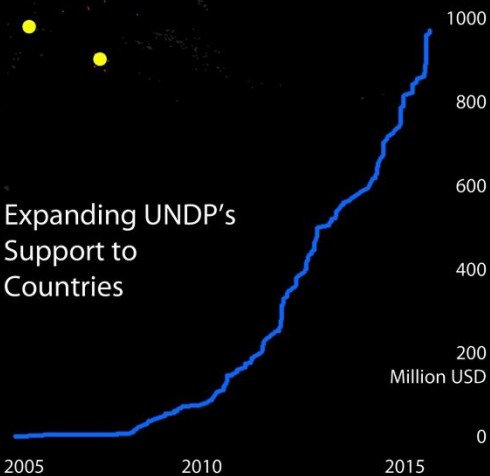


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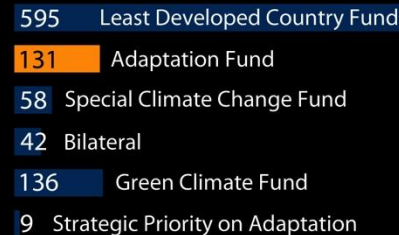
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Adaptation Fund and UNDP Signature Programs



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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



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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



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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



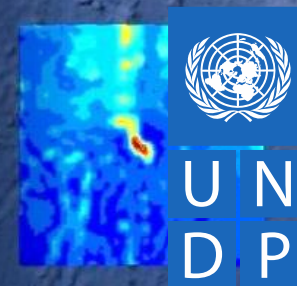
Mauritius



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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



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Tromelin Island



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



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Rioni River Basin
200,000 people

Visit: www.adaptation-undp.org



Green
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