

# The Africa Biodiversity Collaborative Group Climate Change Adaptation Working Group



Presented by James Watson, Wildlife Conservation Society  
on behalf of the ABCG members

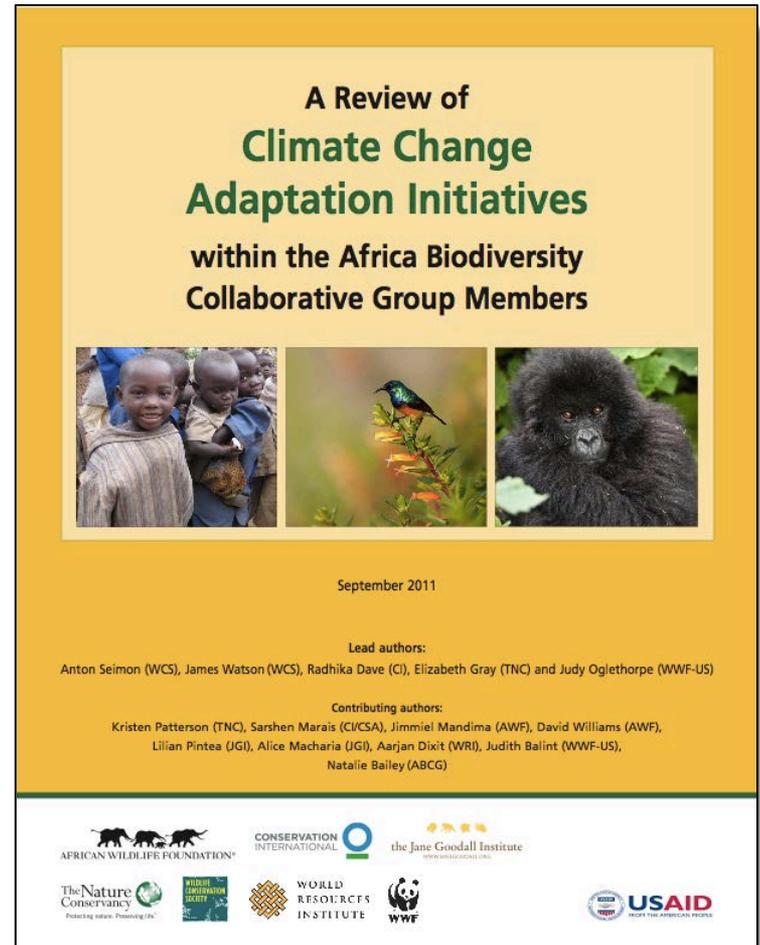


# Key ABCG Issues

- Future of Biodiversity in Africa
- Managing Extractive Industries to Protect Biodiversity
- Analyzing Biodiversity Conservation and Governance to Prevent Conflict and Crisis
- Integrating Food Security and Biodiversity
- Addressing Global Climate Change
- Global Health and Biodiversity
- Forecasting and Building Capacity on Critical Issues

# Product: ABCG report on climate change adaptation

- First survey of conservation NGO work on adaptation in Africa
- Introduces diverse set of multi-year projects on adaptation
- Brings forth lessons-learned from direct field experience
- Offers consensus recommendations for ABCG members, other conservation interests and donors
- Identifies opportunities for outreach activities and further collaborative work



# Methods

Information gathered between Jan-Aug 2011 through a process designed to be iterative and adaptive

- Interviews with ABCG leads on climate change adaption
- Written response to a questionnaire
- Preliminary report sent to ABCG members for comment
- Washington DC workshop in July 2011
- Compilation of summary recommendations, second questionnaire circulated
- Final report

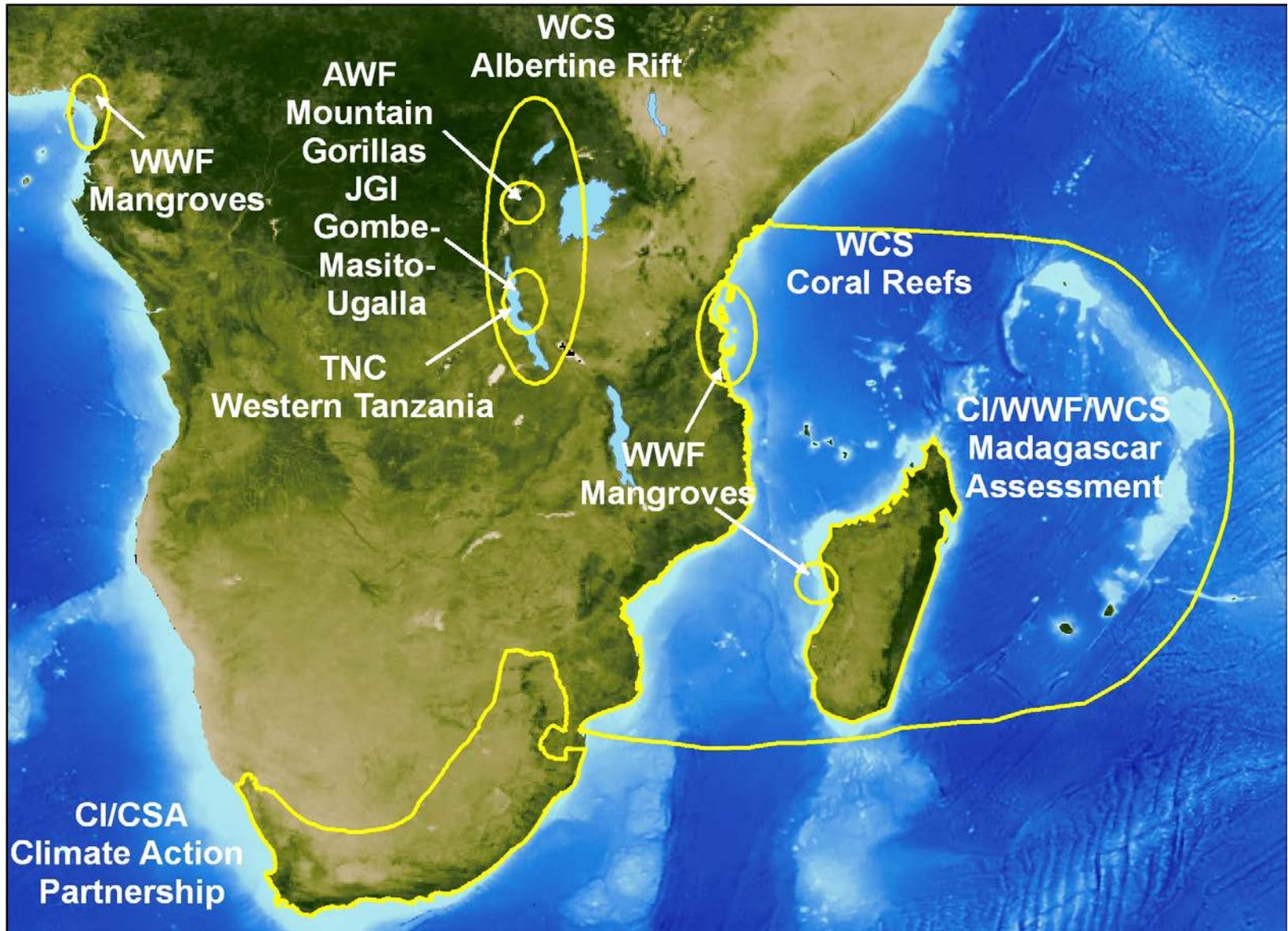
# Projects evaluated

**10 projects were selected from the ABCG member portfolio on adaptation**

- AWF: **Mountain gorilla vulnerability assessment** in Rwanda, Uganda and Democratic Republic of Congo.
- CI: **Vulnerability assessment and feasibility test** of implementing recommended adaptation measures in Madagascar.
- CI/Conservation South Africa (CSA) **Climate Action Partnership** in South Africa.
- JGI: **Gombe-Masito-Ugalla Project** in Tanzania to develop long-term adaptation strategies for on the ground implementation in and around key protected areas.
- TNC: **Western Tanzania Project** to develop Ecosystem-based Adaptation strategies for on the ground implementation across western Tanzania.
- WCS: **Albertine Rift Climate Assessment** in Uganda, Rwanda, Burundi, Tanzania and DR-Congo
- WCS: **Western Indian Ocean Coral Reef Program** in coastal and island nations.
- WRI: **World Resources Report and ARIA Policy Assessment**.
- WWF-US: **Mangrove Resilience to Climate Change project** in Tanzania and Cameroon;
- WWF-US with WWF-Network: **Madagascar vulnerability assessments and testing of adaptation measures**.

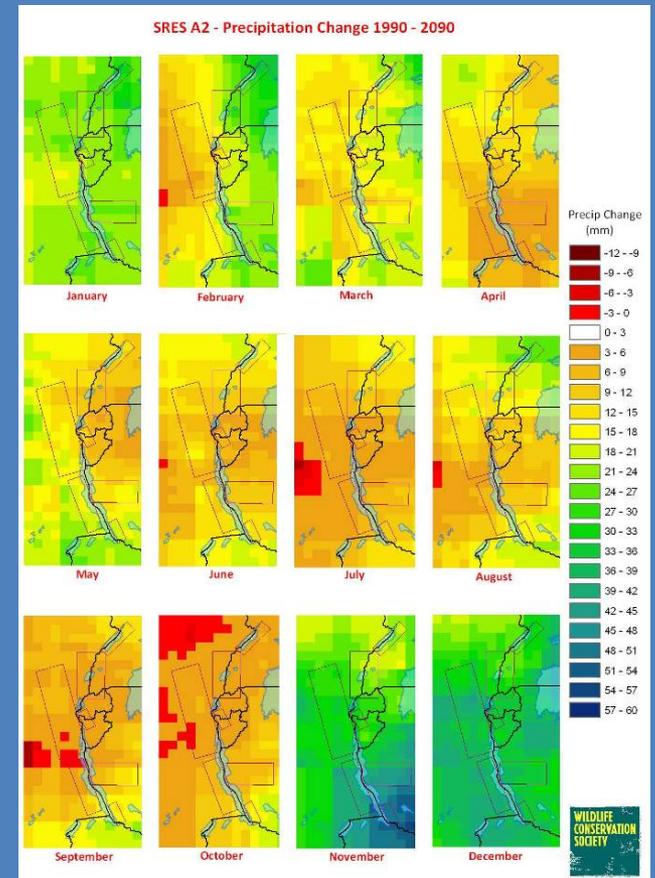
*Projects all outlined in detail in Appendix 5 of the report.*

# Geographic coverage of projects evaluated



# WCS Climate Change Adaptation program in the Albertine Rift

1. Understand current climate and how it impacts socio-ecological systems
2. Identify key metrics to monitor
3. Understand what the future looks like
4. Discuss implications with key stakeholders
5. Push solutions through the system



# Major finding in review

- Conservation and development community increasingly apply ecosystem-based or people-based approaches to climate change adaptation:
  - EbA – Ecosystem-based Adaptation aims to use biodiversity and ecosystem services as part of an overall adaptation strategy to help people adapt to the adverse effects of climate change
  - CBA – Community Based Adaptation targets the most vulnerable populations and focuses on activities with the greatest direct impact
- EbA is becoming central to adaptation programs of several major NGOs and donors

# Recommendations: Project Design and Execution

- **Utilize an adaptation framework to help conceptualize project design, tailored as needed to explicitly include the role of people in project activities when conducting adaptation work in Africa.**
- Incorporate Ecosystem-based Adaptation (EbA) and Community-Based Adaptation (CBA) approaches into existing climate adaptation field projects where applicable, and conduct monitoring of such approaches to adaptively manage and refine them over time.

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# ABCG projects assessed in ACT framework

NGO	PROJECT	LOCATION	Identify features, ecological processes, measurable management	Build a conceptual model that integrates ecological, social, and economic data	Examine how the feature may be affected by plausible climate change scenarios	Identify intervention points and potential actions required to achieve objectives for each feature under each scenario	Evaluate potential actions for feasibility and tradeoffs	Implement actions, monitor the efficacy of actions and progress towards objectives, and reevaluate to address system
AWF	Mountain Gorilla	Rwanda, Uganda, DR Congo	Developed or completed	Developed or completed	Developed or completed	Developed or completed	Developed or completed	Developed or completed
CI	Island-wide Vulnerability Assessment	Madagascar	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
	Climate Action Partnership	South Africa	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
JGI	Gombe-Masito-Ugalla	Tanzania	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
TNC	Western Tanzania	Tanzania	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
WCS	Albertine Rift	Uganda, Rwanda, Tanzania, DR Congo, Burundi	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
	West Indian Ocean Coral Reef	Kenya, Tanzania, Mozambique, Madagascar	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
WRI	World Resources Reports & ARIA survey	Mali, Namibia, Rwanda, S. Africa, Ghana	N/A	N/A	N/A	N/A	N/A	N/A
WWF	Mangrove Resilience to Climate Change	Tanzania, Cameroon	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete
	Capacity building, vulnerability assessment and adaptation	Madagascar	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete	Partially developed or incomplete

**KEY**

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Dark grey square	Partially developed or incomplete
Light grey square	Not developed or included in objectives

**Stakeholder consultations while setting project objectives**

**Actions taken**

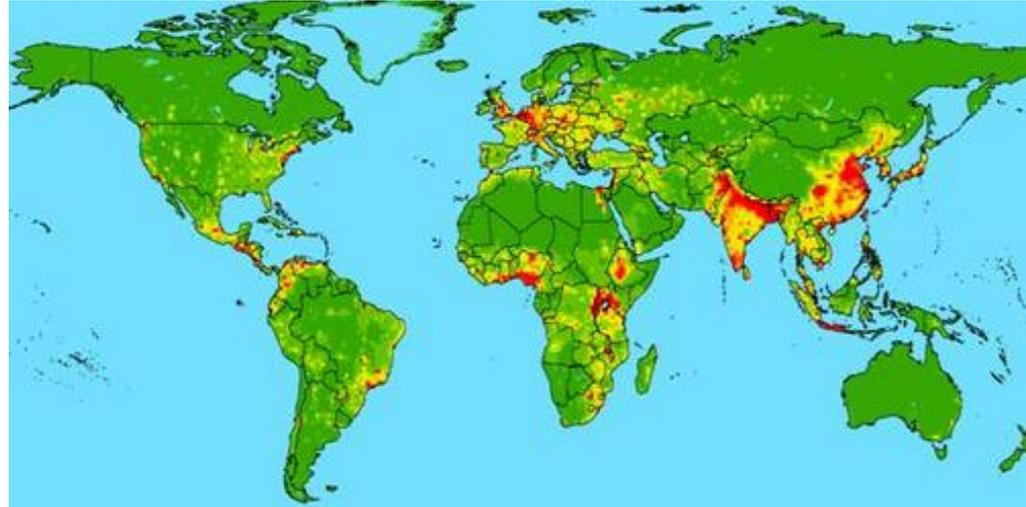


# **Recommendations: Project Design and Execution**

- **Learn from the CBA community how they have to got to the implementation stage and the lessons they have learnt along the way.**

# Recommendations for Broader Interests

- Increase research attention, funding and training around the issue of disease dynamics and epidemiology under climate change in Africa.

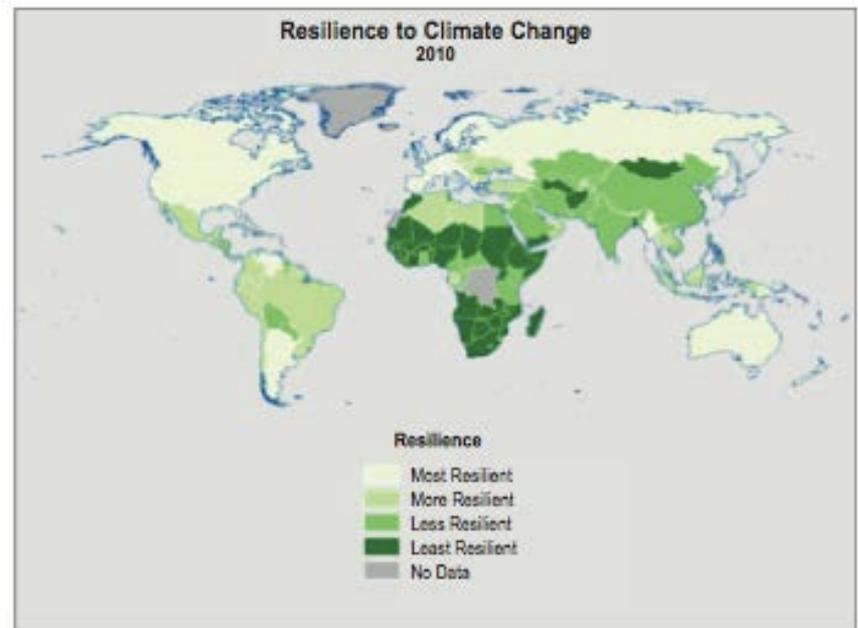
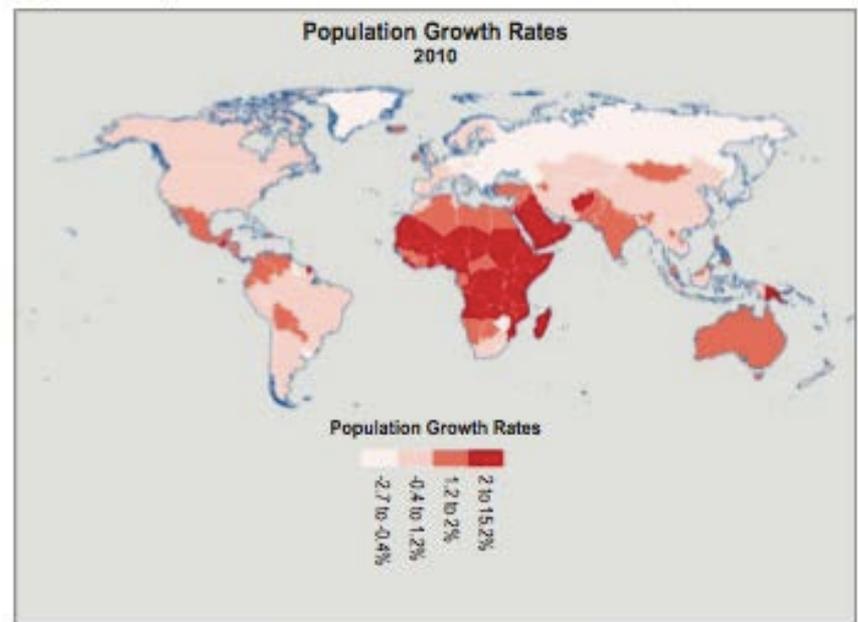


*Current global distribution of relative risk of emerging infectious disease events caused by zoonotic pathogens*

Source: Dr. Kate Jones, Zoological Society of London

# Population growth in Africa

- Incorporate comprehensive consideration of the implications of population growth and demand for resources into climate change adaptation work in Africa.



Source: United Nations, Department of Economic and Social Affairs, Population Division. 2011

# Thank you!



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July 2011 ABCG Washington workshop participants

Tim Resch

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