



IUCN  
WORLD PARKS  
CONGRESS  
SYDNEY 2014

*Parks, people, planet:  
inspiring solutions*

# **Approaches and Challenges to mitigating mining impacts and contributing to National Conservation Goals in Madagascar**



**High level of endemism**

**Highly Threatened Biodiversity**



## **DURBAN VISION: TRIPLE Protected Areas**

**from 1.7 to 6 million hectares**



**10% of the area of  
Madagascar**

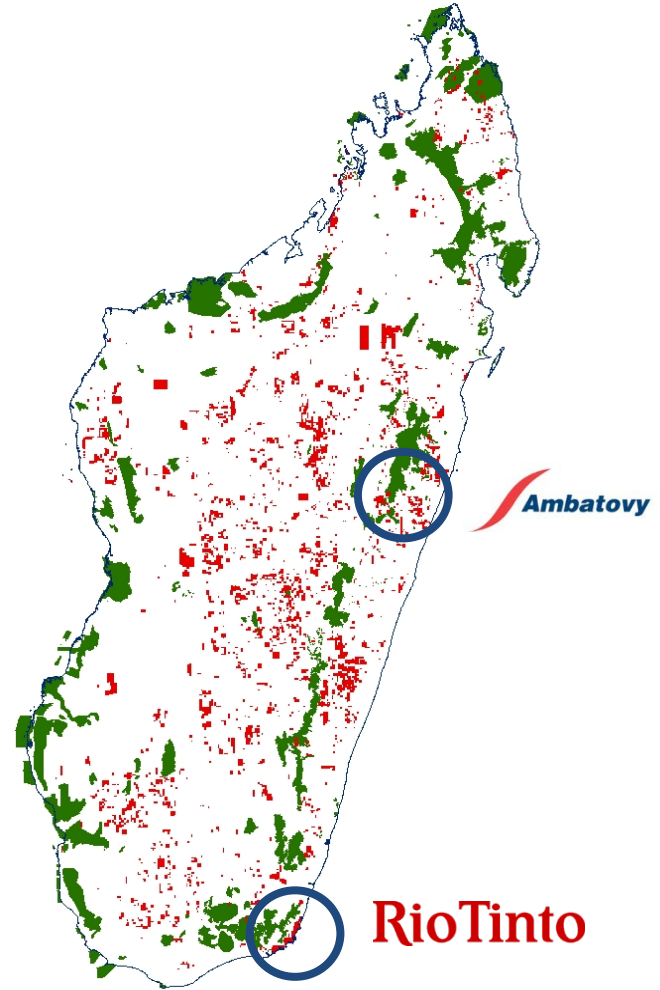
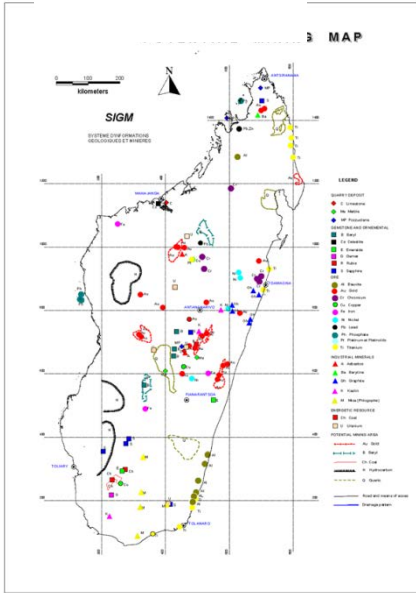
**2.65 million hectares of  
land Protected Areas  
managed by Madagascar  
National Parks**

**3.25 million hectares of  
New Protected Areas**

**1 million hectares of  
Marine Protected Areas**



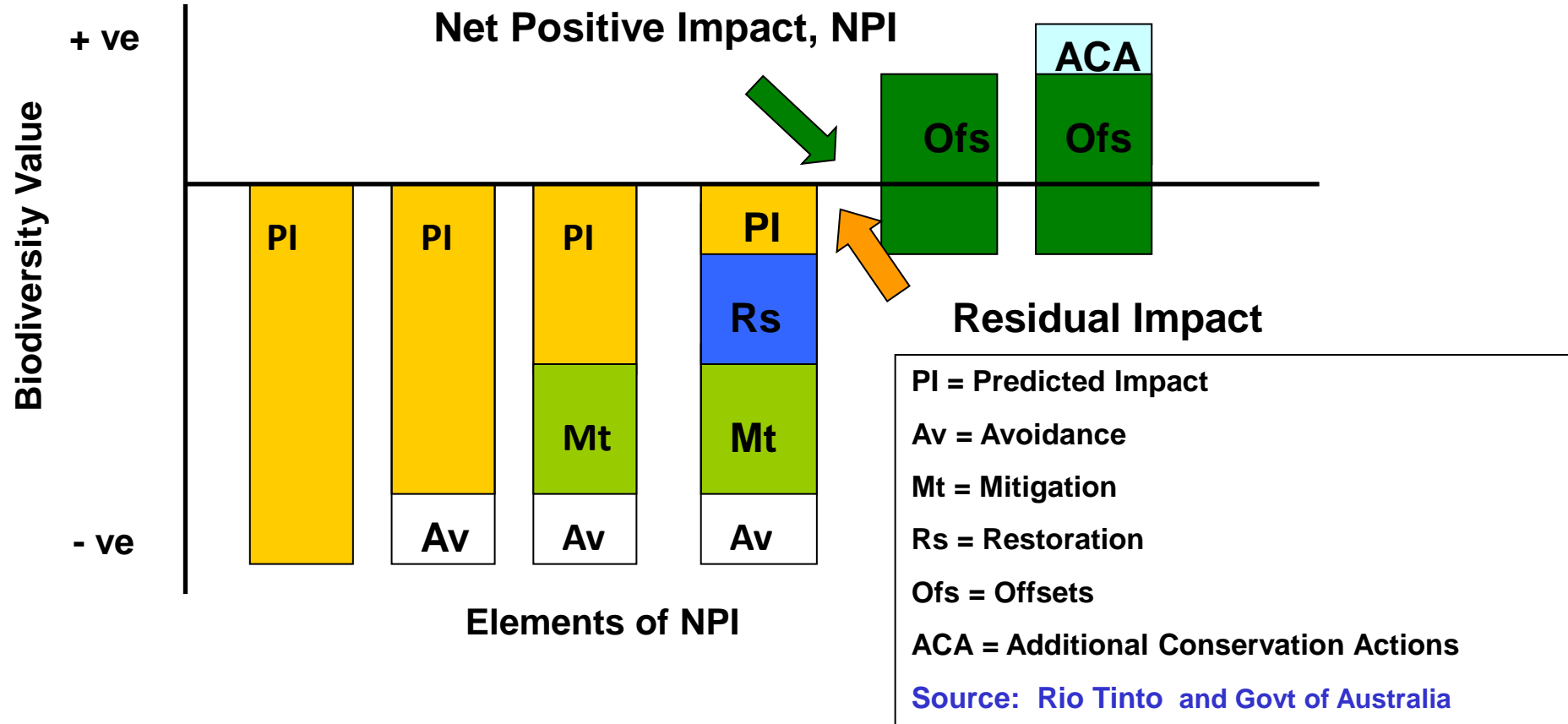
# CHALLENGE



**DUAL Madagascar's Commitment in 2003 to triple Protected Areas AND develop extractive industries sector**



# Commitment to NPI Biodiversity Mitigation Hierarchy



# NPI Adaptive Management

## Design and Metrics to Integrated Implementation

### NPI Mitigation Hierarchy



### Implementation Hierarchy







**Avoid**



**Minimize**



# Restore



# Offset





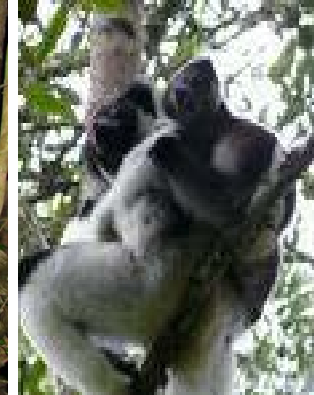
# Additional Conservation Actions



Conservation and  
research activities



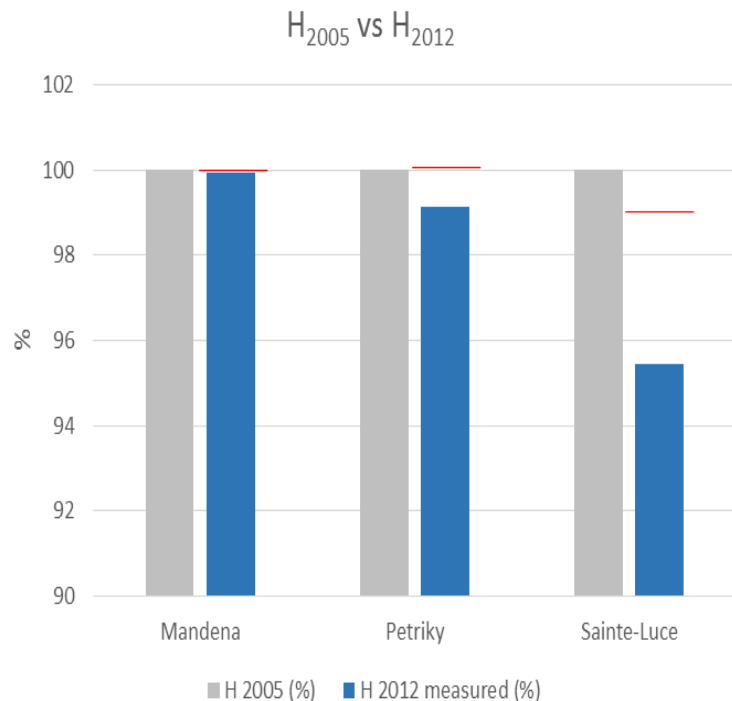
Livelihood activities



Monitoring



## RTQMM Avoidance Zone: Forecast vs actual forest cover (2005-2012)



## Road blockages by Communities due to land and resource rights





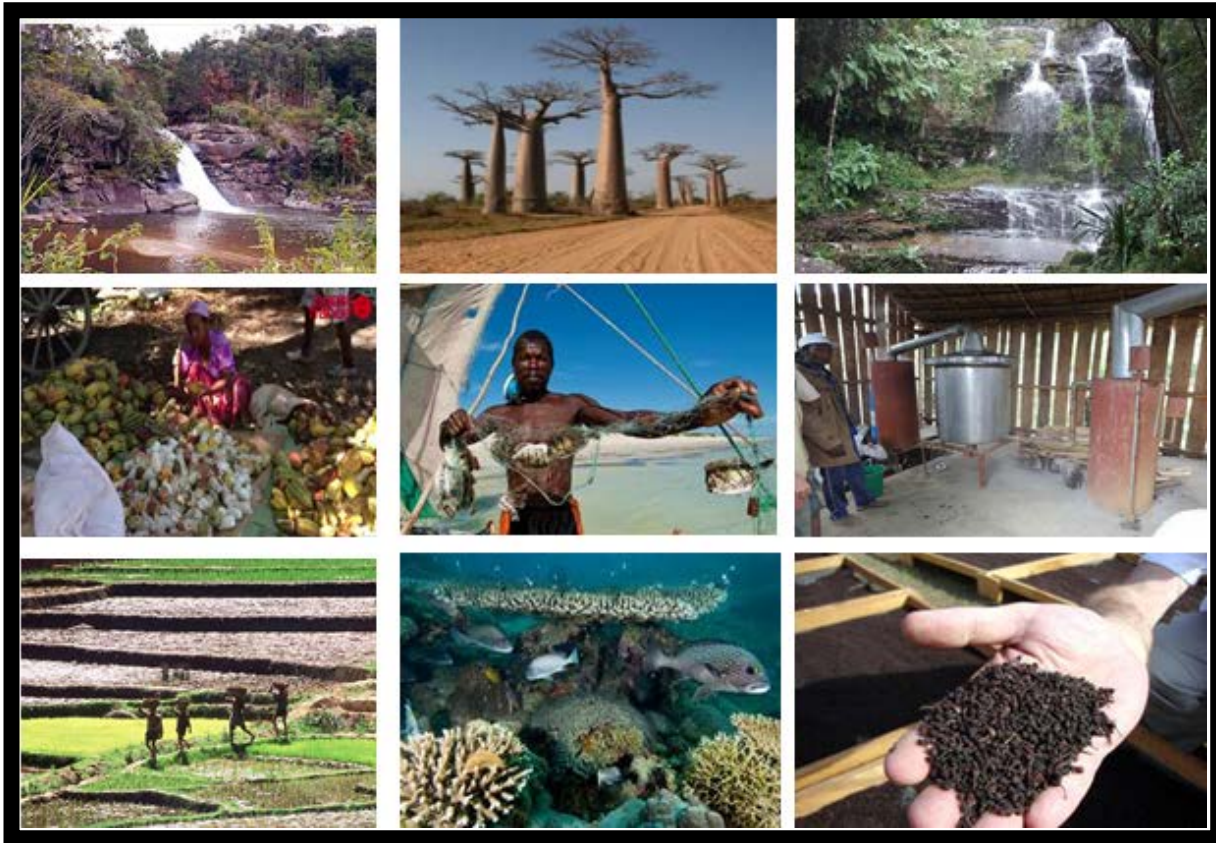
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6.59 km



# IMPORTANT ECOLOGICAL SERVICES FOR COMMUNITIES





# NPI Adaptive Management

## Design and Metrics to Integrated Implementation

### NPI Mitigation Hierarchy



### Implementation Hierarchy



# PERMANENT AND EQUITABLE DIALOGUE

RESPECTS RIGHTS OF EACH PARTY, IS LEGAL, TRANSPARENT, FAIR  
AND SUSTAINABLE

