

*Expanding our horizons...*

**It's in**

**OUR**

**Nature**



# Planning for New PAs in a vibrant extractive industry

Odacy Davis  
Deputy Commissioner  
Protected Areas Commission

# Our Mandate!

**Establish**

**Manage**

**Maintain**

**Promote**

**Expand**



# Objectives of Protected Areas Legislation

To provide for;

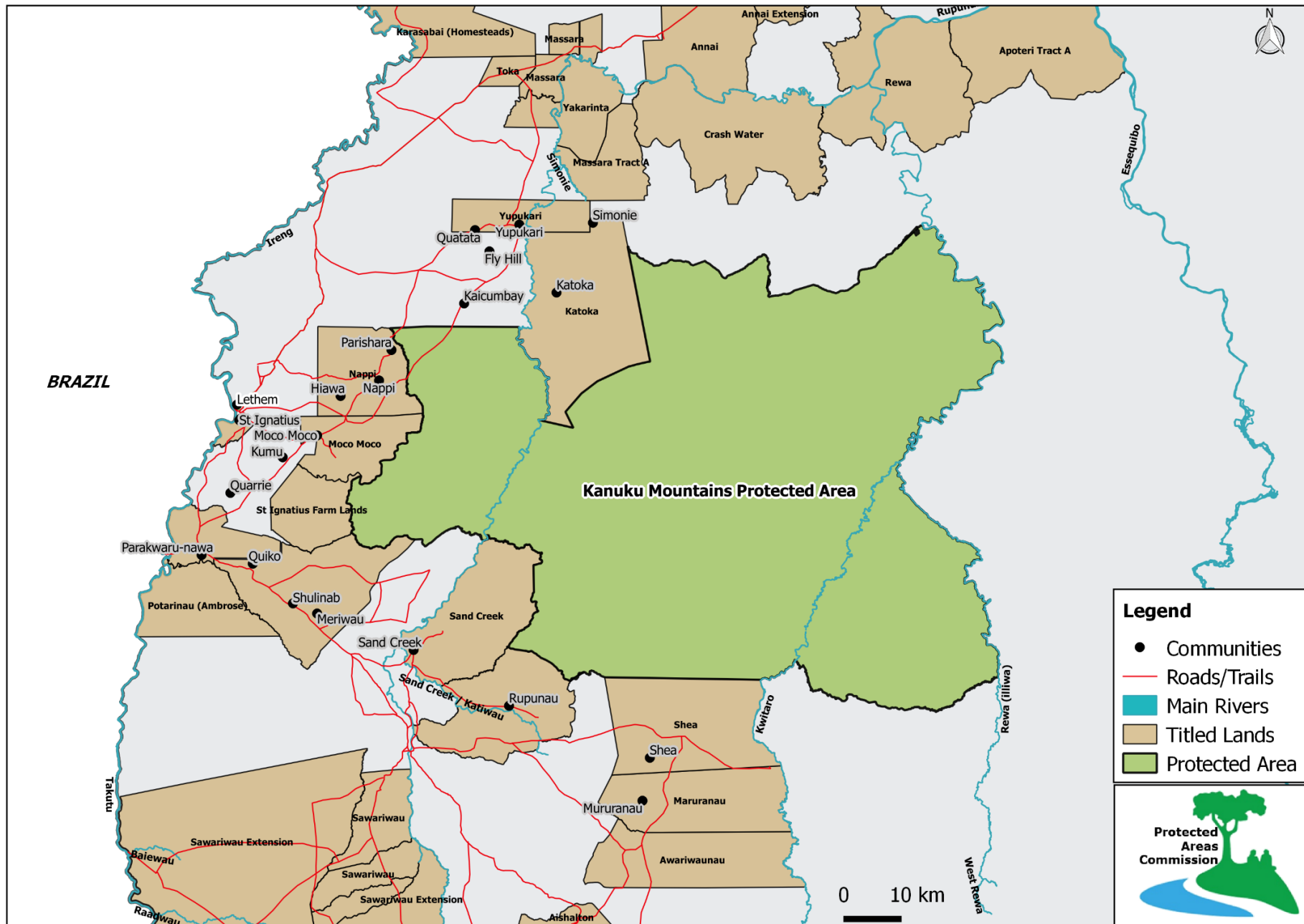
- **Protection and conservation** of Guyana's natural heritage and natural capital
- **Maintenance of ecosystem services** of national and global importance including **climate change regulation**



# The Current System!



# Kanuku Mountains Protected Areas



# Our Basis for Expansion!

- ❖ **Constitution of Guyana**
- ❖ **Protected Areas Act 2011**
- ❖ **Convention on Biological Diversity & Aichi target 11  
17% Terrestrial and 10% coastal and Marine**
- ❖ **President of Guyana pledged Conservation of an  
Additional 2 Million Hectares of forest/Ecosystems  
Emission**
- ❖ **Reflected in our intended **NATIONALLY  
DETERMINED CONTRIBUTIONS** Reduction  
Programme for Forests**
- ❖ **Green state development strategy**

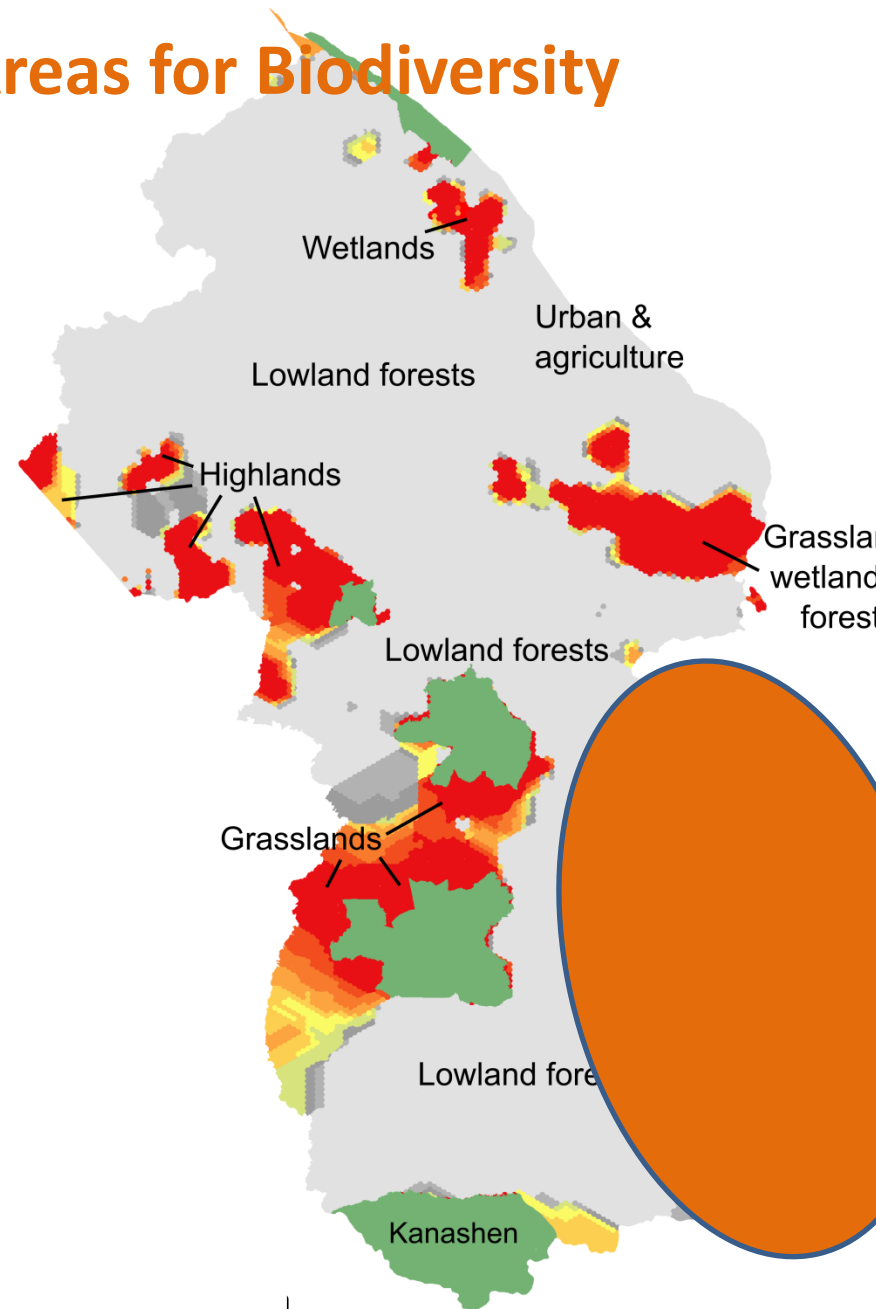
# Considerations!

- ❖ *Existing Communities and User Rights* - Number of Communities living in the area – number of indigenous communities to be consulted adjacent to the area
- ❖ Outstanding Land extension/Land Titling Matters
- ❖ Level of Socio-economical dependency on natural resources in the area
- ❖ *Mineral and Mining Interest* - Occurrence of known and high value minerals
- ❖ *Logging and Timber Interest*
- ❖ *Land Leases*
- ❖ *Wider Stakeholder interest*
- ❖ *Management Feasibility*

# Identification of Priority Areas for Biodiversity

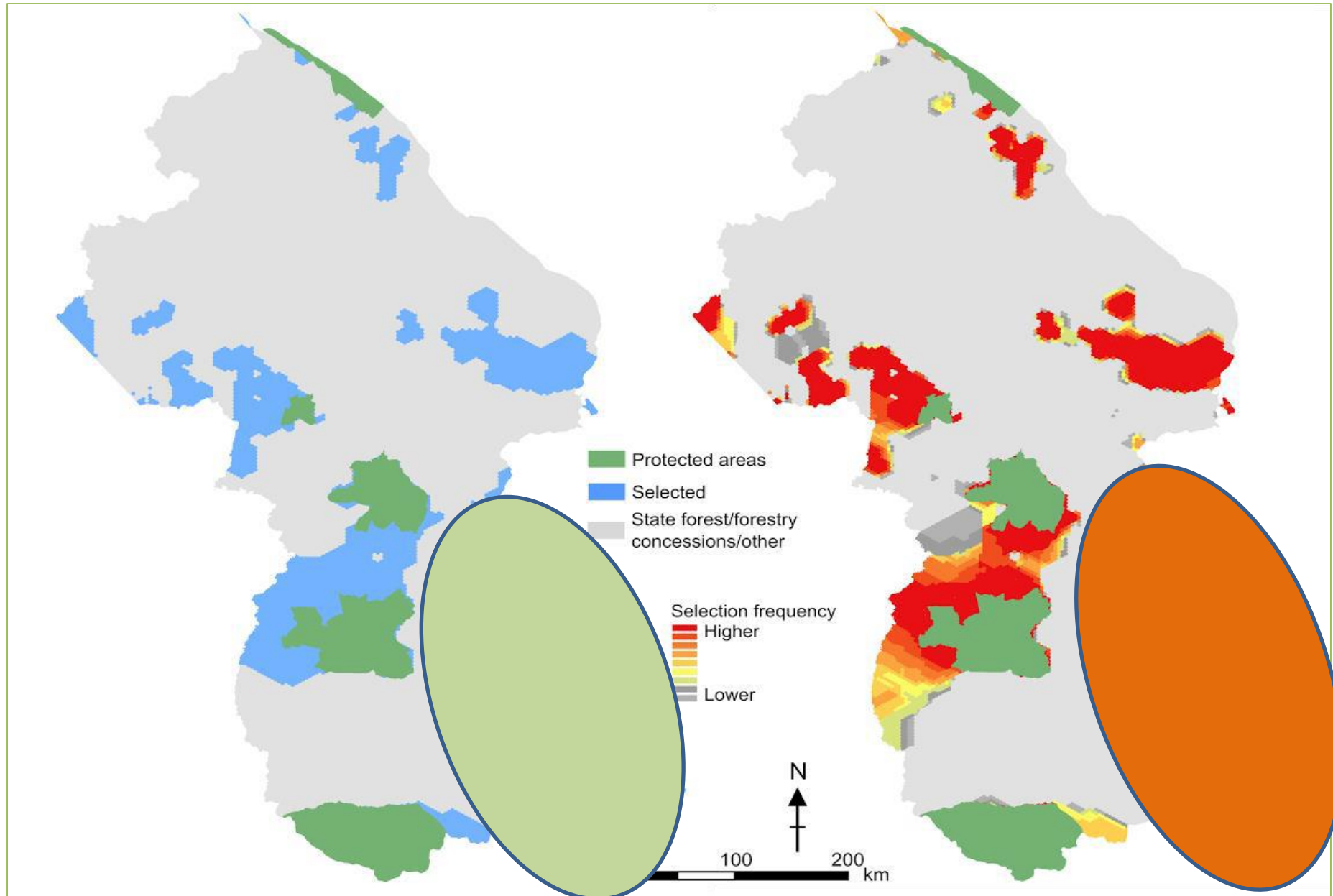
## A Marxan Approach (2013)

- University of Kent (UK) & CI Guyana
- Used data on species & ecosystem data sets, also considering other economical important land uses.
- **the analysis identified an additional 22.5% or 4.8 M hectares of the country as priority areas for biodiversity**





# Important Biodiversity Areas Identified in Guyana using MARXAN analysis







ELSEVIER

## Biological Conservation

Volume 214, October 2017, Pages 168-175



# Designing protected area networks that translate international conservation commitments into national action

Jake E. Bicknell <sup>a</sup>  , Murray B. Collins <sup>b, k</sup>, Rob S.A. Pickles <sup>c, d</sup>, Niall P. McCann <sup>e</sup>, Curtis R. Bernard <sup>f</sup>, Damian J. Fernandes <sup>g</sup>, Mark G.R. Miller <sup>h</sup>, Samantha M. James <sup>i</sup>, Aiesha U. Williams <sup>j</sup>, Matthew J. Struebig <sup>a</sup>, Zoe G. Davies <sup>a</sup>, Robert J. Smith <sup>a</sup>

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<https://doi.org/10.1016/j.biocon.2017.08.024>

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## Abstract

Most countries have committed to protect 17% of their [terrestrial area](#) by 2020

y data





**THANK YOU!**