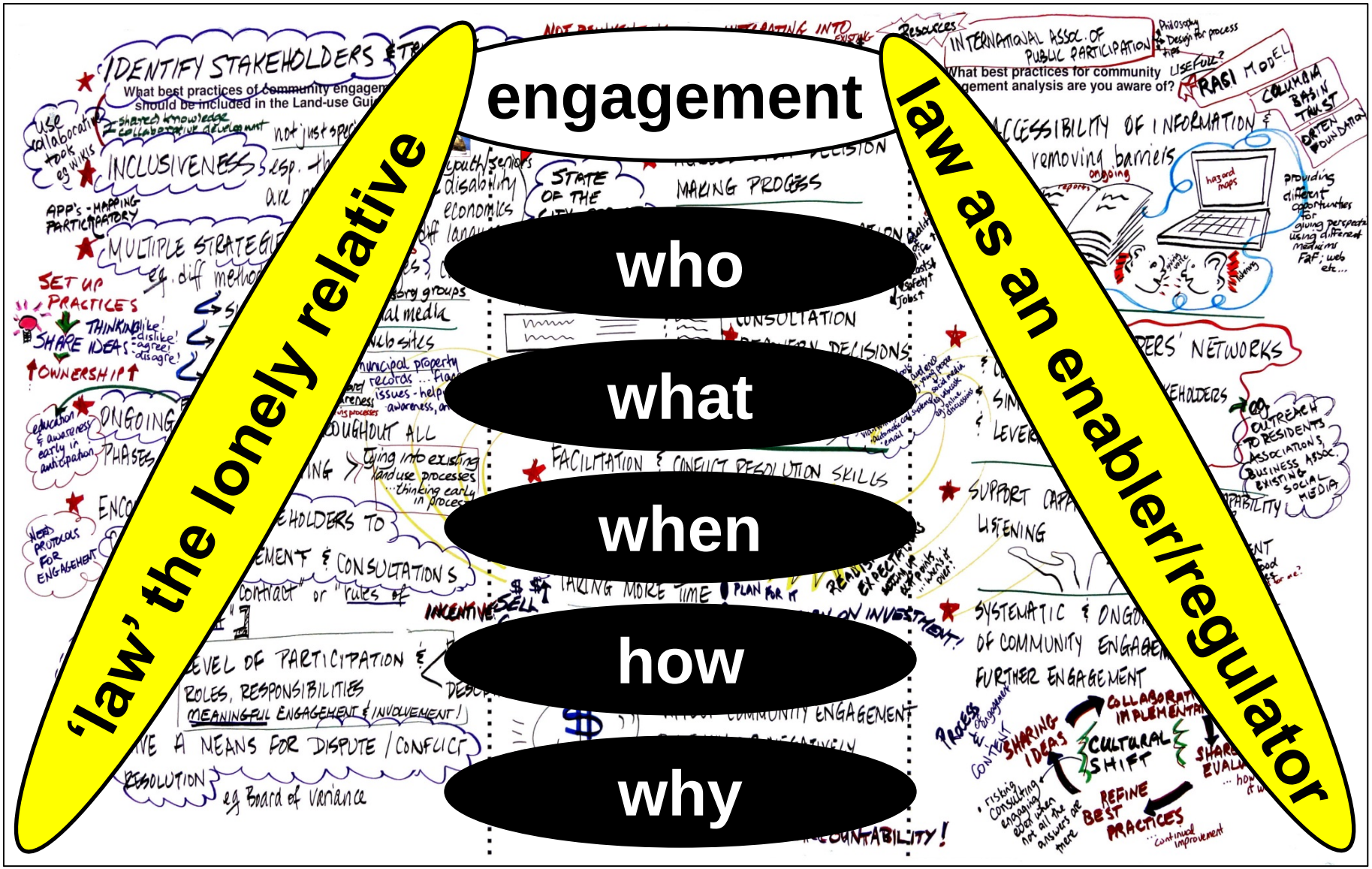
Natural and Social Engineering
Facilitating Protected Area Resilience Through Stakeholder Engagement
The Pillars...
1 COMPLETE
2 TRANSPORTATION
4 INFRA-STRUCTURE
ENERGY SUPPLY
WATER & WASTE
STORM WATER
SOLID WASTE
5 RESILIENT LANDSCAPE
SYSTEM
EMERGENCY SUPPLY
ONLY 3 DAY SUPPLY on the ISLAND
ENVIRONMENTAL SECURITY
When's the BIG ONE coming?
How do we BALANCE GLOBAL & LOCAL ECONOMIES?
ECONOMIC IMPACT SHOCK!!!
NATURAL DISASTERS are seen as ACTS of GOD
SHIFTS in ECO-SYSTEMS
GLOBAL WARMING
They can be acts of US too!
The STORY is CHANGING - 'US' and GOD are INTERTWINED
COSTS RISING!!!
ENERGY CRISIS
FOOD SUPPLY
We're watching the train-wreck live!!!
Think about...
TERRAIN of CONSCIOUSNESS
TERRAIN of DEVELOPMENT
7 RESILIENCY
RELATIONSHIPS MATTER!!!
-SOCIAL CAPITAL
Son... You may have to shoot your neighbor
8 LOCAL DIVERSE ECONOMY
THINK BEYOND LAND-USE
This is...
It's the FIRST STEP
MY 'APOCOLYPTIC' STORY
In my child hood...
RURAL ENVIRONMENT
HAD GUNS
FATHER INFLUENCED BY WAR
use DECISIONS
MARK HOLLAND - New Monaco Enterprise Corp.

The Link - Law & Engagement



The Project

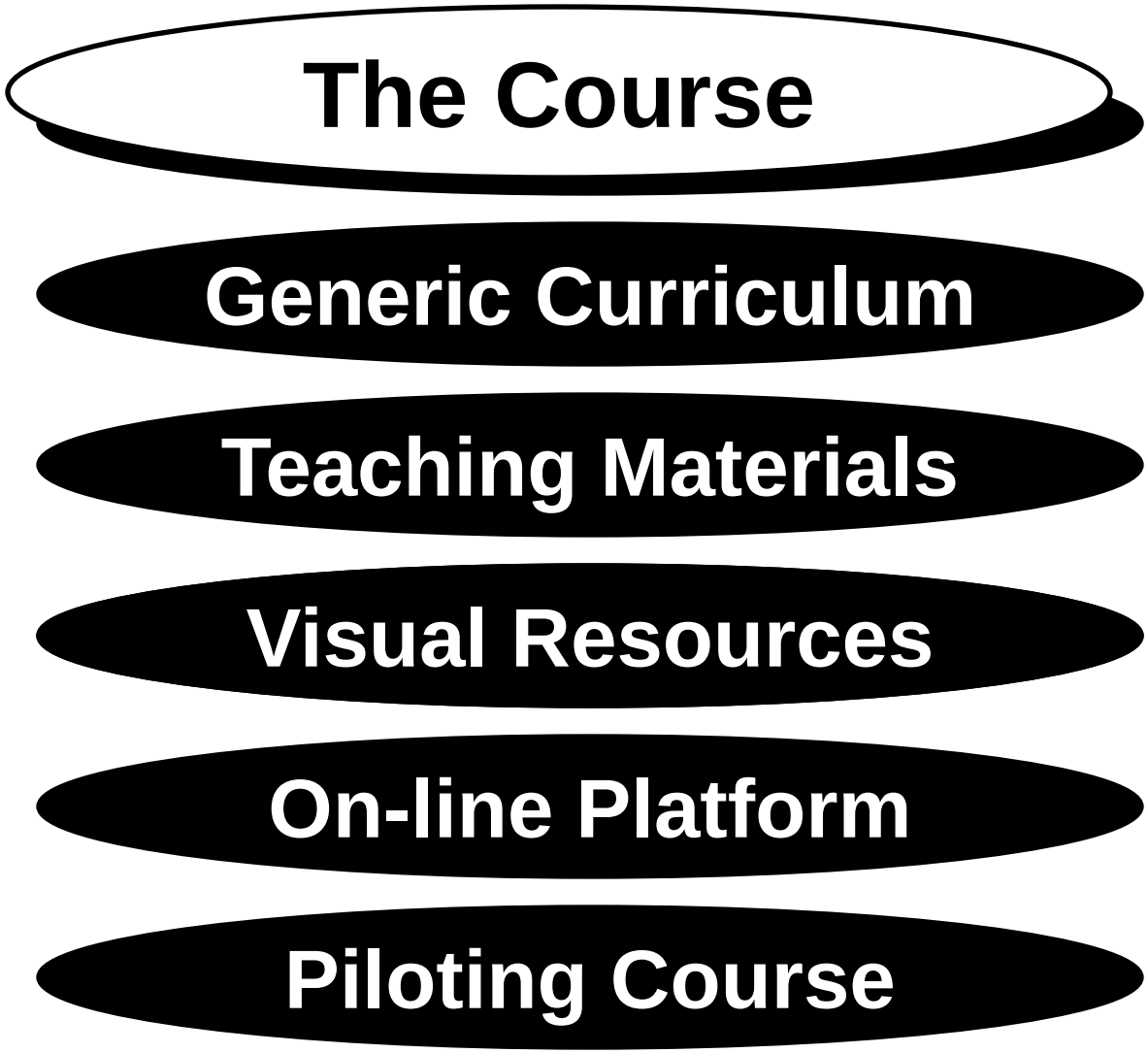
- Initiated by IUCN Environmental Law Centre
  - ‘Capacity Building for Protected Areas Law and Governance’
  - Building on preceding projects
    - PA Law Guidelines
    - Connectivity Law Concept Paper
  - 6 teaching/learning products
  - Facilitate education and training on protected areas law
  - 3-year project (2013-2015)
- Collaboration
  - IUCN Environmental Law Centre
  - World Commission on Environmental Law
  - World Commission on Protected Areas
  - IUCN Academy of Environmental Law

IUCN

IUCN ACADEMY OF ENVIRONMENTAL LAW

WCPA
WORLD COMMISSION ON PROTECTED AREAS

6 Project Outputs



Core Objectives

Protected Areas | **Law** | **Connectivity**

- Build Knowledge
- Strengthen Understanding
- Support Educators
- Construct Legal Literacy
- Develop & Improve PA Law
- Advance Biodiversity Goals

Underlying Methodology

- Learner-Centred
- Knowledge Transfer
- Shared Practice
- Skills Development
- Practical
- Participatory
- Facilitative
- Reflective
- Problem-Solving
- Empowering

The Soup Challenge

Soup Preparations

Choosing Your Ingredients

Making Your Soup

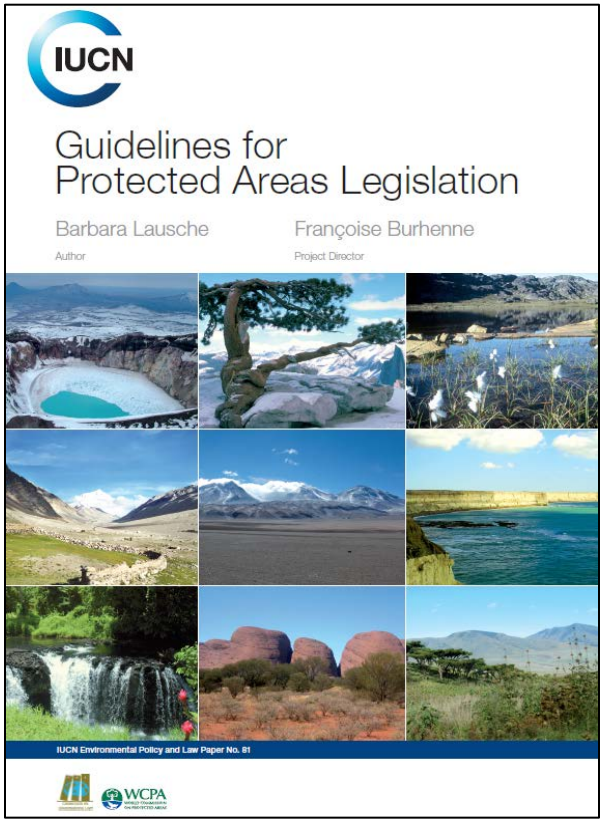
A Simple & Tasty Basic Soup

Nature of the Course

- Rationale
- Audience
- Face-to-Face
- Core Modules & Specialist Modules
- Generic
- Whole or in Part
- Adaptable
- Duration
- Electronic Access

The Ingredients

The Main Texts



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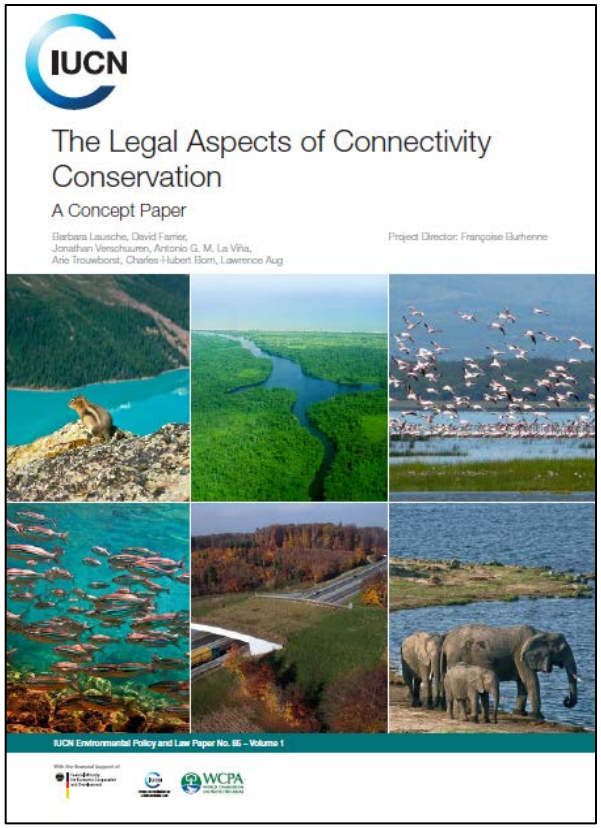
15 Case Studies



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5 Case Studies

The Cooks

The Cooks…

The Recipe

Course Structure

Module 1	Intro to the Course & Key Concepts
Module 2	Governance Principles & Approaches
Module 3	Definitions, Principles, Objectives & Institutions
Module 4	Planning, Types & Declaration
Module 5	Management
Module 6	Compliance, Enforcement, Regulation & Financing

Course Structure…

Module 7	Connectivity Conservation - Introduction
Module 8	Connectivity Conservation - Legal Issues & Tools
Module 9	Marine PAs - Special Features & International Law
Module 10	Marine PAs - Special Legal Considerations
Module 11	International & Regional Law
Module 12	Transboundary PAs - Special Legal Considerations

Module Outline

- **Context for the Module**
- **Overview of Key Content**
- **Module Objectives & Outcomes**
- **Reading Resources**
- **Structure & Duration**
- **Basket of Exercises (Summary)**
- **Notes for Educator**
  - General Preparations
  - Facilitation
- **Assessment Exercises**

Module Structure

seminar presentation

interactive knowledge transfer

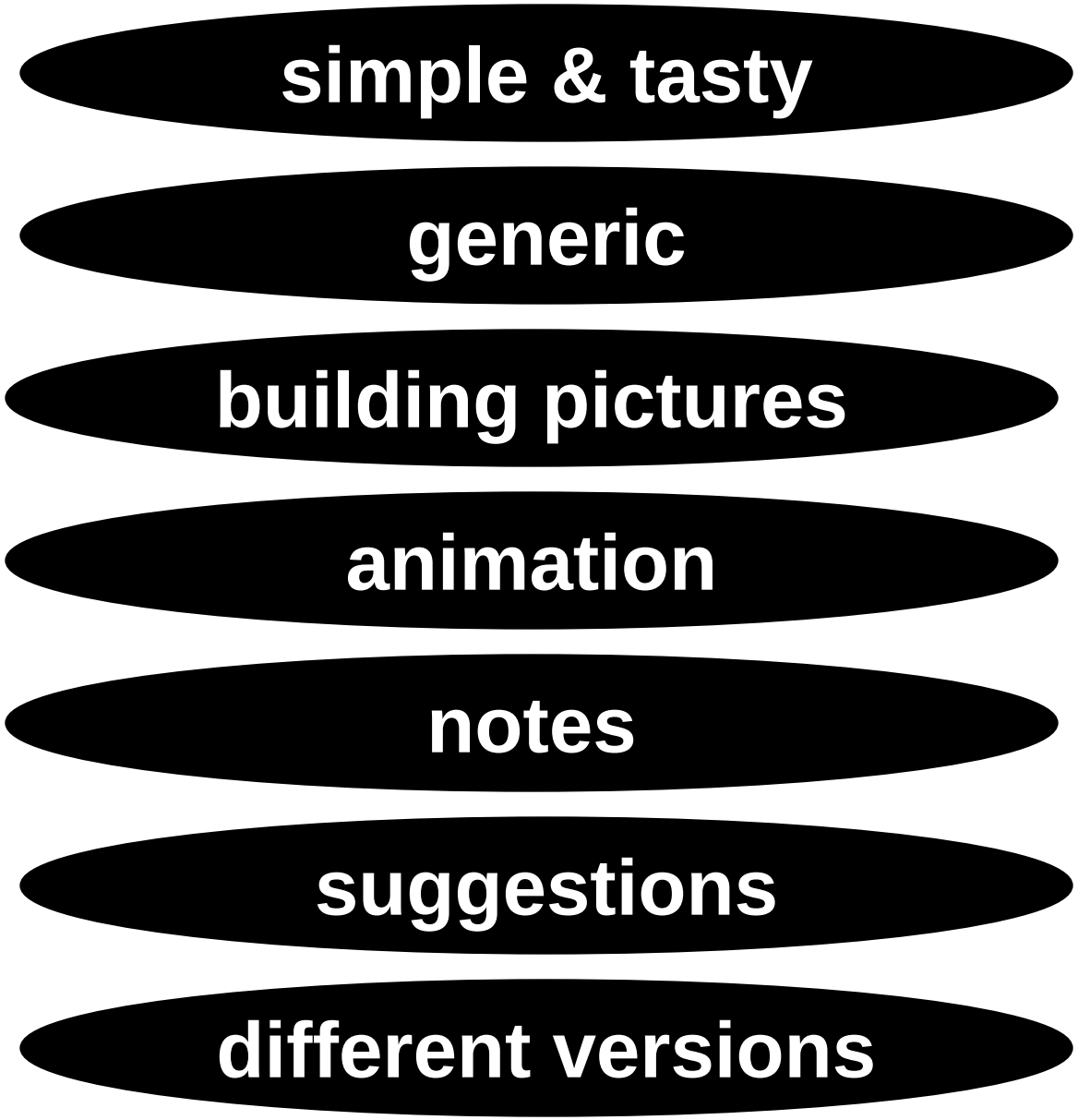
practical exercises

facilitated skills development

Module Resources

- **Seminar Presentation**
  - Scene Setting Presentation
  - Presenters Notes
- **Reflective Exercises (2/3)**
  - Exercise Outline
    - Nature & Purpose
    - Structure
    - Resources
  - Exercise Resources
    - Presentation
    - Case Studies (Narratives/Maps)
    - Templates (Blank and Complete)

Seminar Presentation



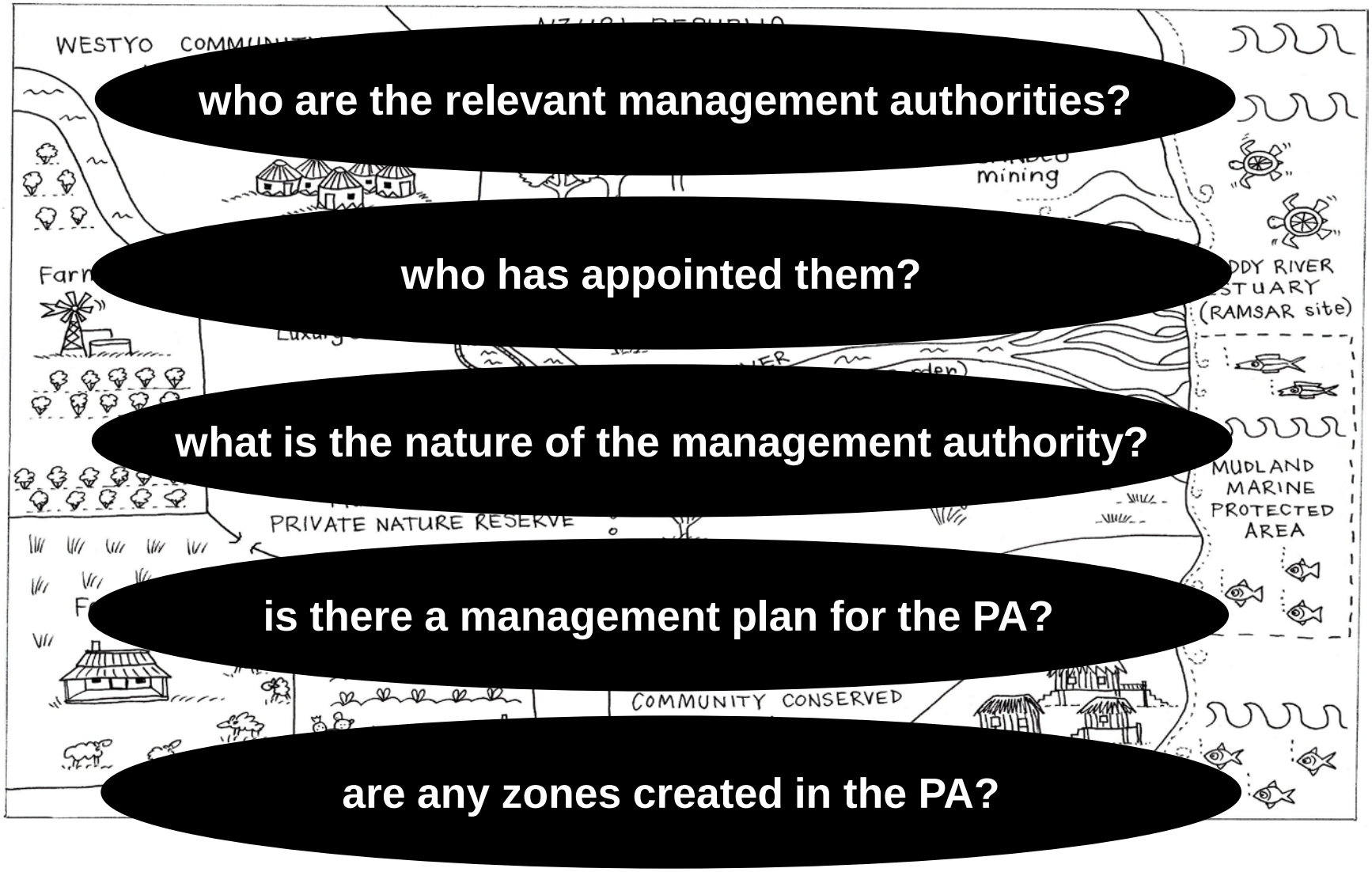
A Quick Taste

Building Capacity on Protected Areas Law & Governance

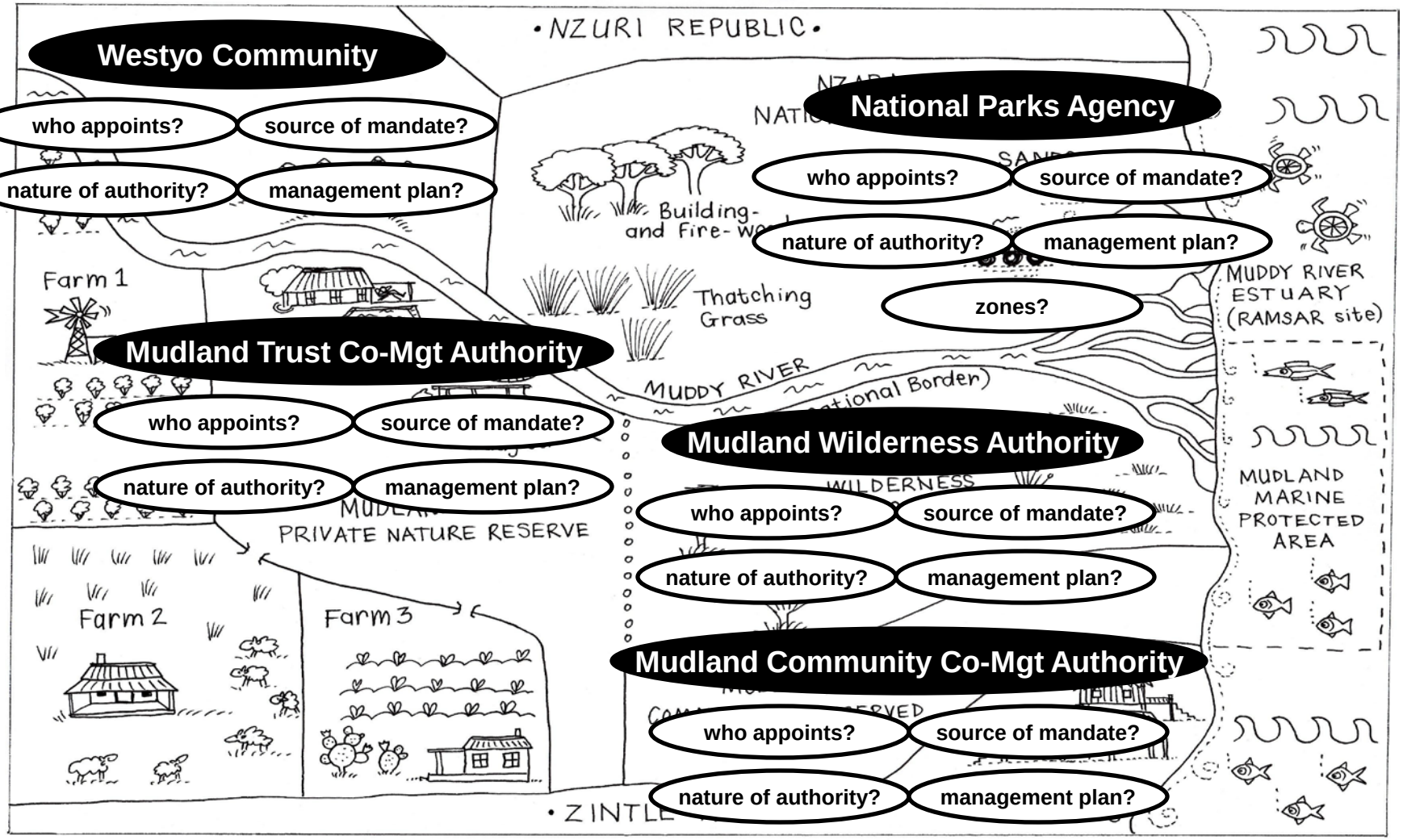
Module 5

Management

Management & the Law



Management & the Law



Management & the Law

the PA law

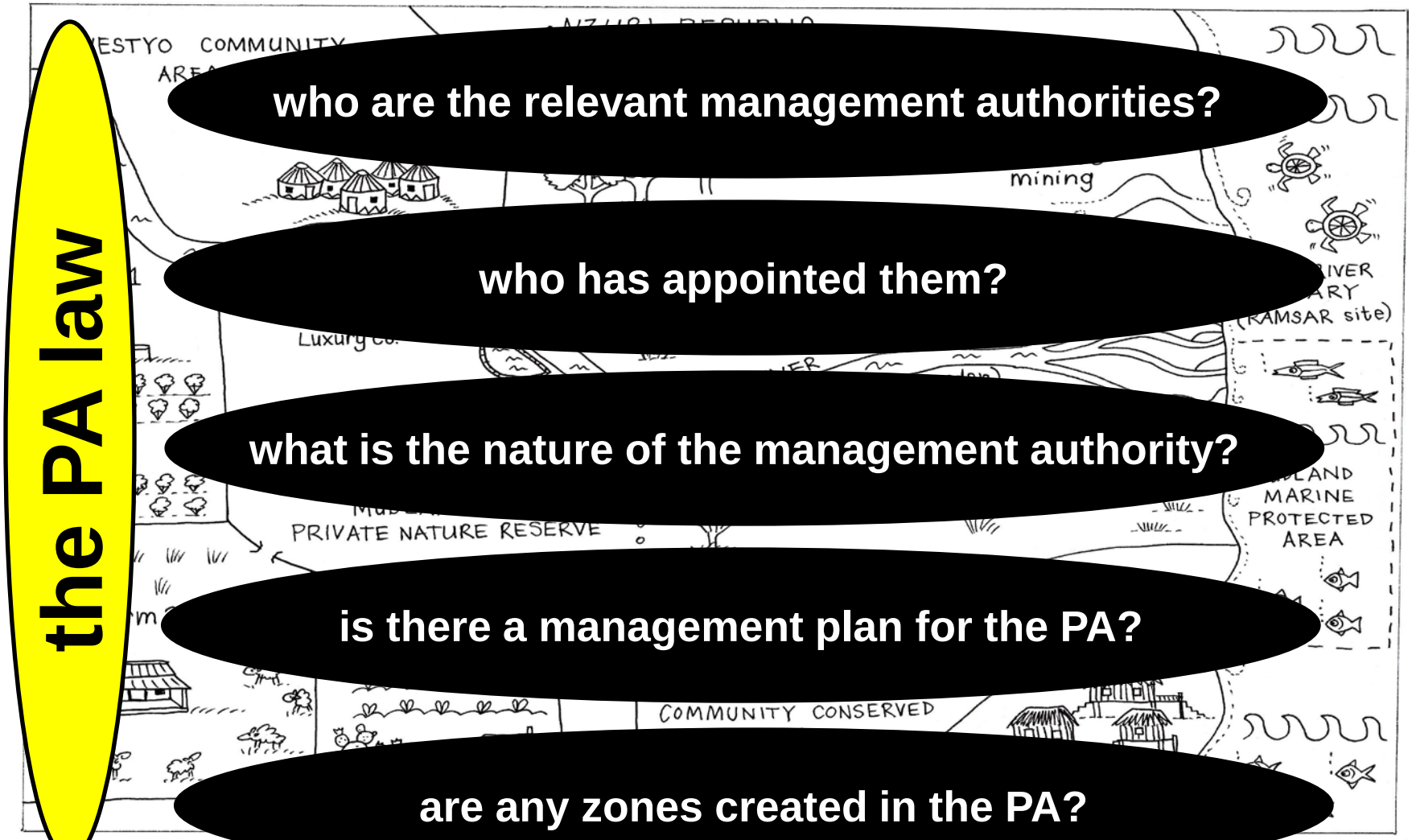
who are the relevant management authorities?

who has appointed them?

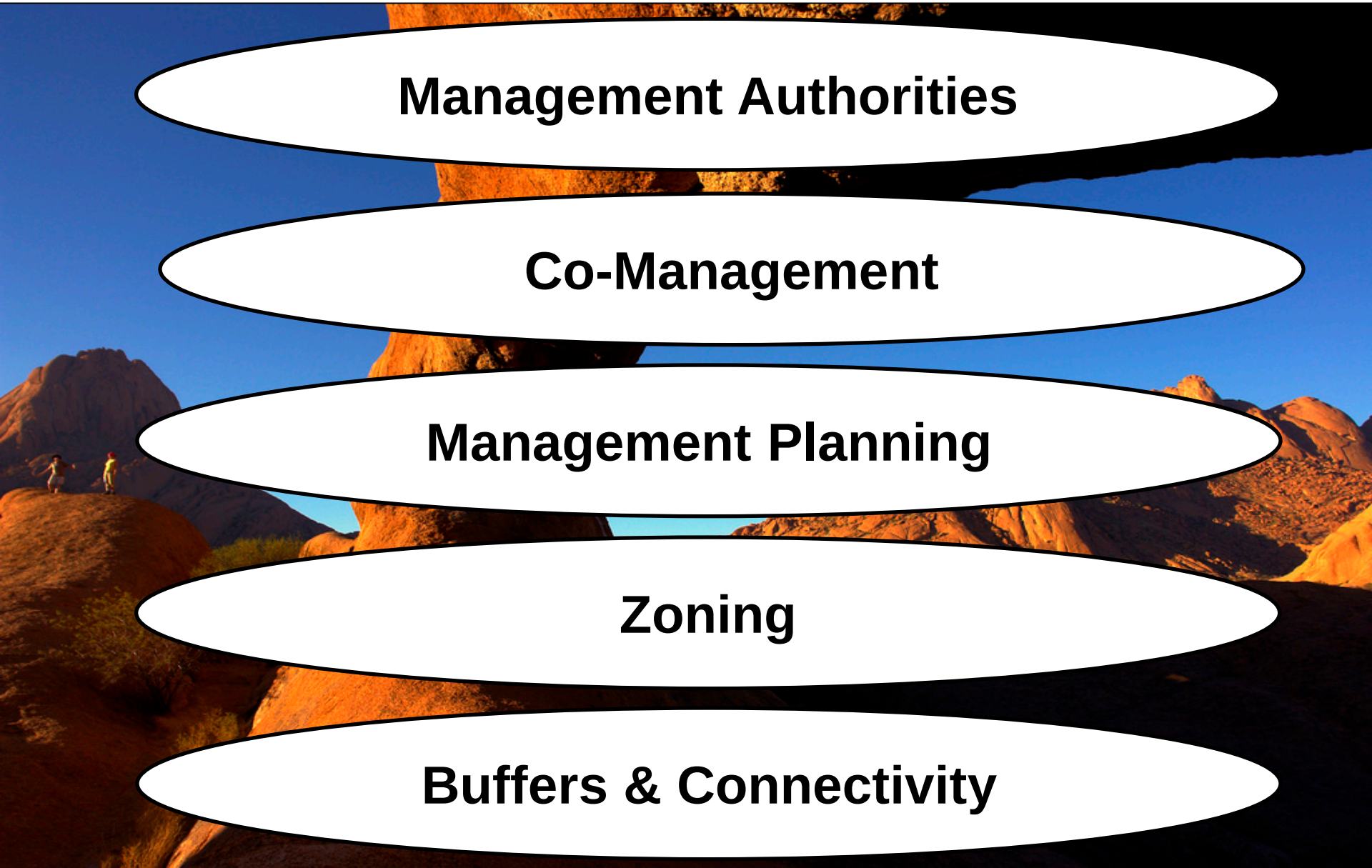
what is the nature of the management authority?

is there a management plan for the PA?

are any zones created in the PA?

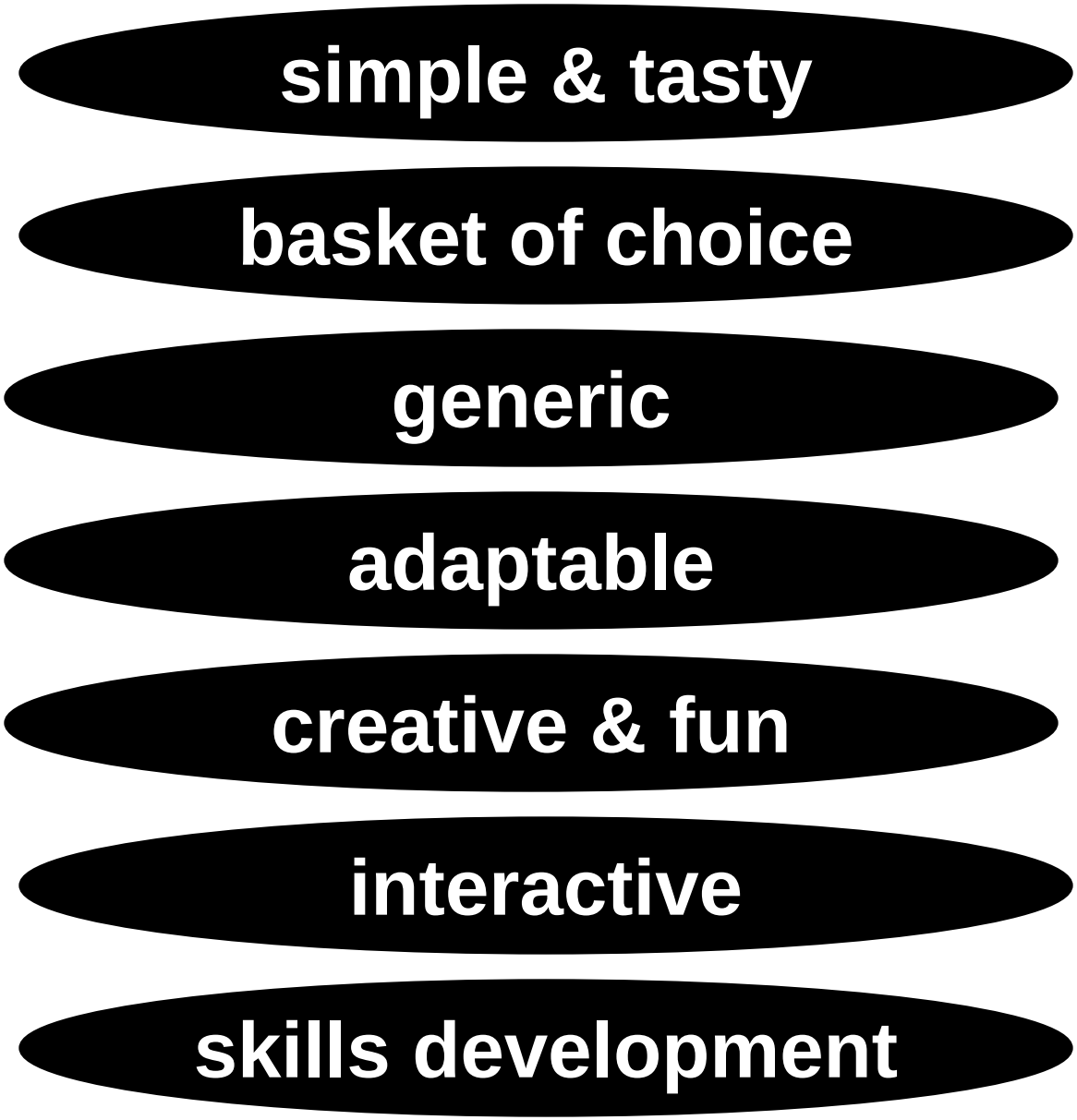


Overview of the Seminar



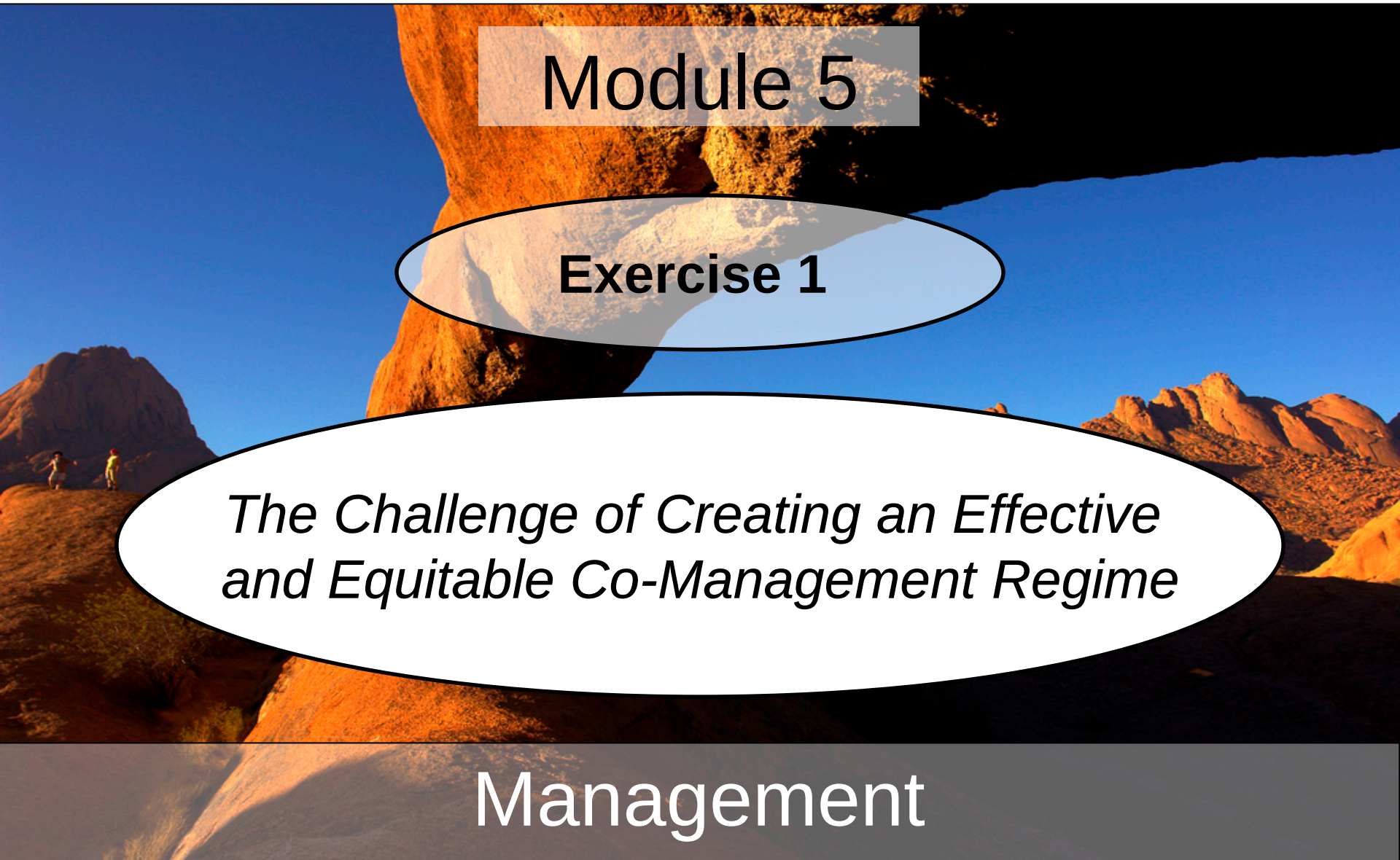
- Management Authorities
- Co-Management
- Management Planning
- Zoning
- Buffers & Connectivity

Reflective Exercises



Another Quick Taste

Building Capacity on Protected Areas Law & Governance



Module 5

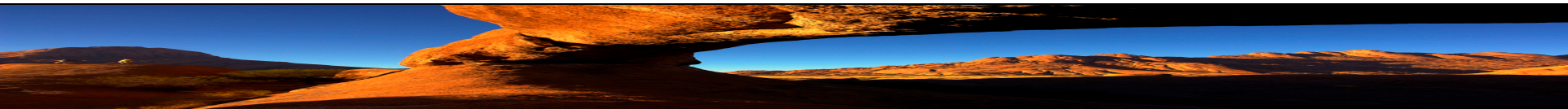
Exercise 1

The Challenge of Creating an Effective and Equitable Co-Management Regime

Management

Background

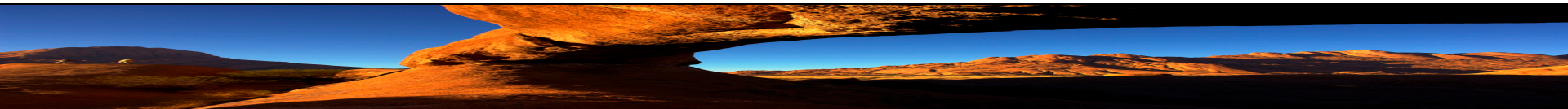
- **Purpose**
  - Provide Learners with an opportunity to practically use their knowledge in a role-play situation.
  - Create an understanding of the legal requirements underpinning co-management regimes.
  - Build an appreciation of the many different factors which impact on the conclusion of effective and equitable co-management regimes.
  - Highlight the often-sharp distinction between de jure co-management and de-facto co-management.
  - Increase familiarity with the IUCN Management Categories and Governance Types.



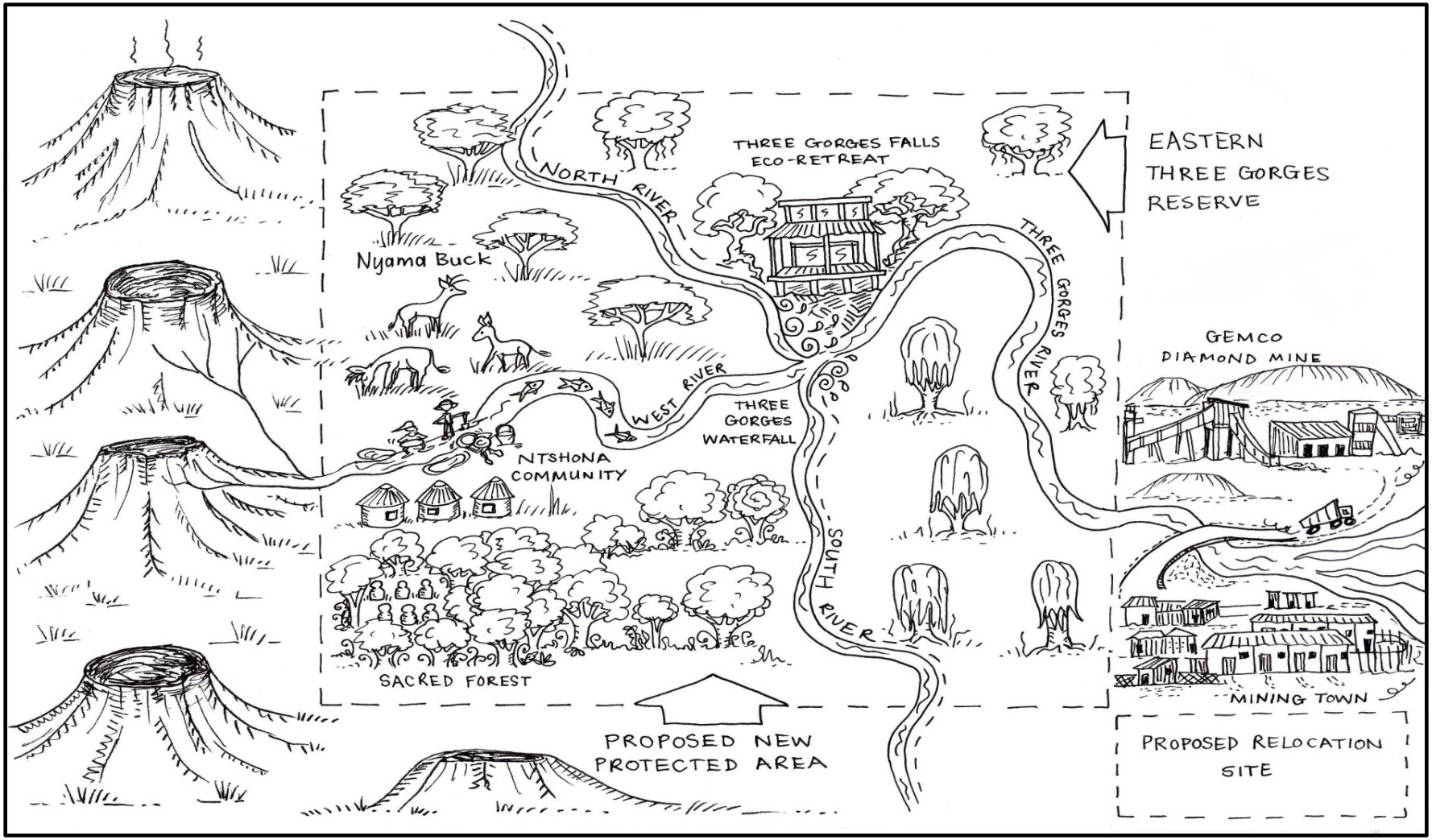
Background…

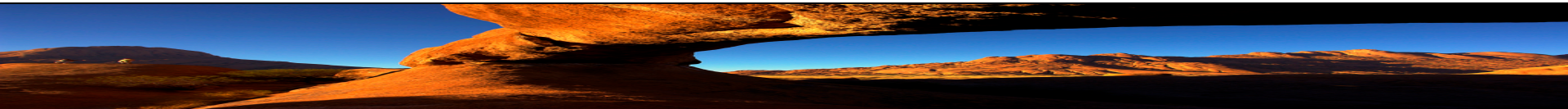
- **Structure**
  - Introduction to Exercise (10 minutes)
  - Pre-negotiation Preparation (20 minutes)
  - First Round of Negotiations (40 minutes)
  - Mid-Negotiation Caucus (10 minutes)
  - Second Round of Negotiations (30 minutes)
  - Consolidation (10 minutes)

time is of the essence!



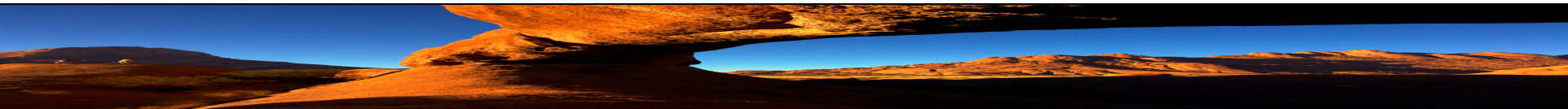
The Case Study





The Case Study…

- **Co-Management Agreement Content**
  - Description of the parties
  - Description of the area
  - Name of the protected area
  - Land tenure
  - Legal status of the area
  - Management category
  - Land-use restrictions
  - Management authority
  - Management planning and implementation
  - Access, use rights and benefit sharing



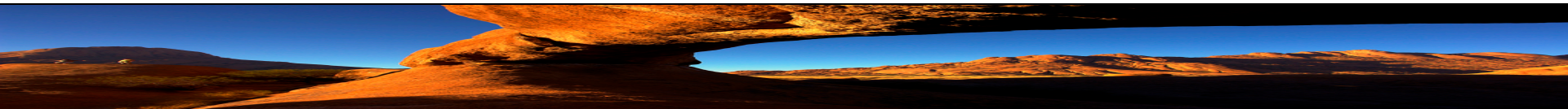
The Task

Protected Areas Authority

Ntshona Community

Negotiate the Agreement

- **Preparation**
- **Round 1**
- **Caucus**
- **Round 2**



Last Few Things

- Remember the legal framework
- Keep the context in mind
- Remain true to your mandate
- Both parties want to reach an agreement

Current State of Our Soup & Kitchen

Future State of Our Soup & Kitchen

A Cupboard for You to Choose From

The Invitation

IUCN ELC

Lydia Slobodian

Lydia.Slobodian@iucn.org

UCT IMEL

Sandy Paterson

Alexander.Paterson@uct.ac.za

the soup will be free