

# The Value of SADC TFCA STUDY

**SADC Transfrontier Conservation Area (TFCA) Network  
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# Team Composition



Kyle Harris  
(M.Sc. Ecology)  
Project Manager and  
Systems Ecologist



Dr Jackie Crafford  
(Ph.D. Resource Economics)  
Resource Economist



Paul Bewsher  
(BA Honours - Geography)  
Geographer and TFCA Specialist

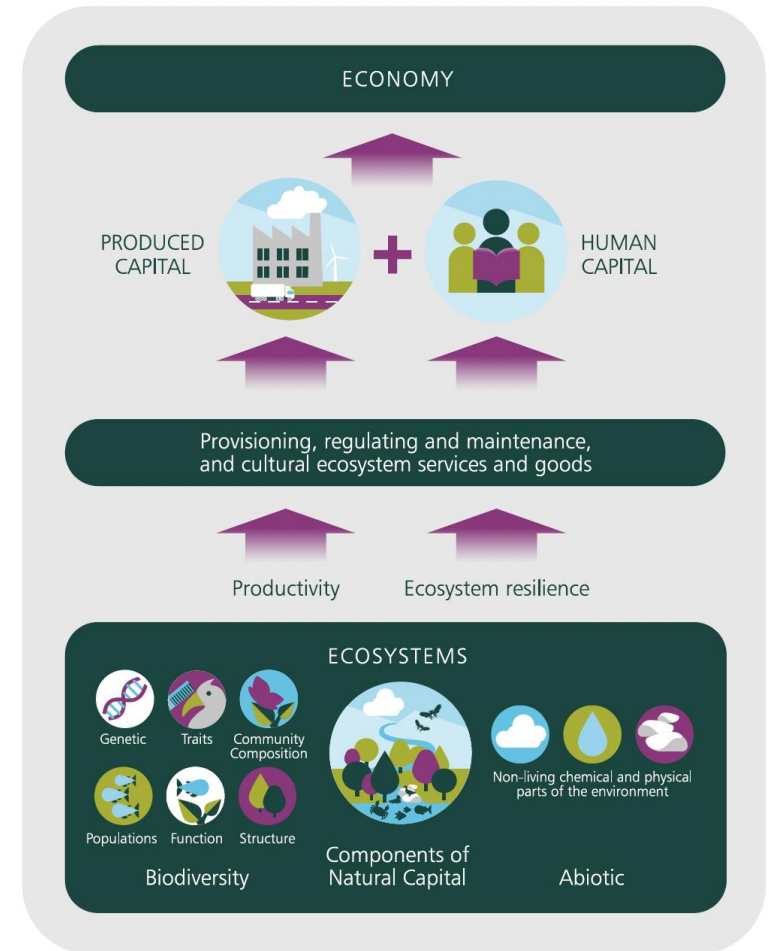
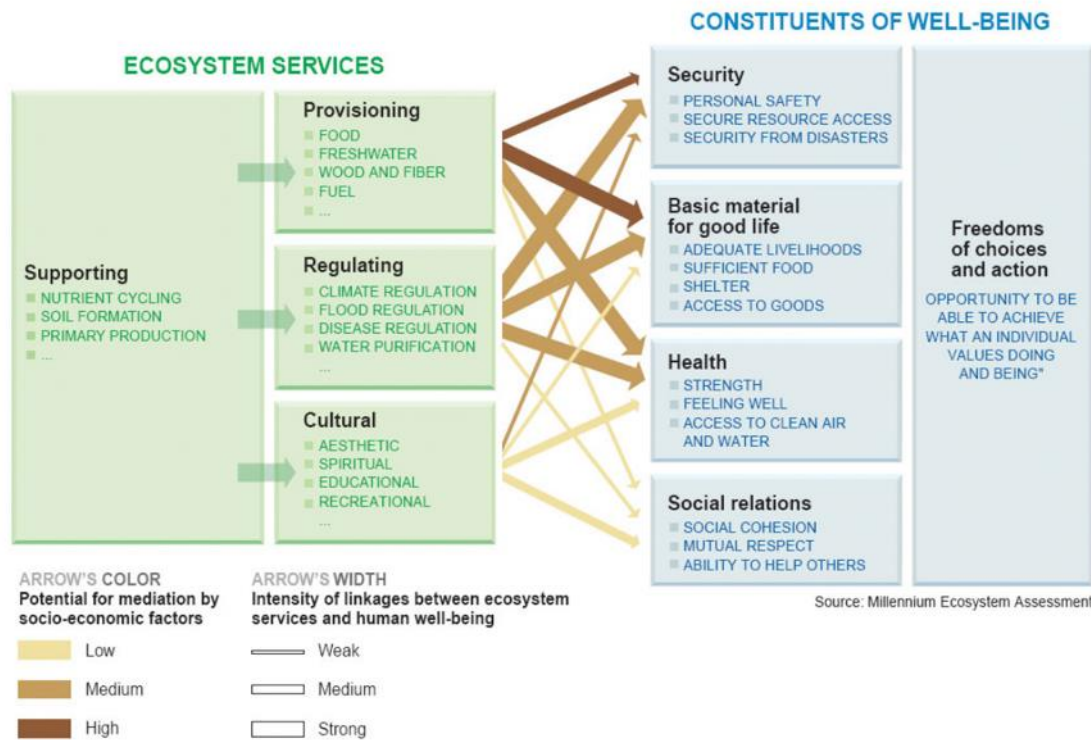


Kevan Zunckle  
(M.Sc. Environmental Science)  
Ecologist and TFCA Specialist

# Measuring the Value of Biodiversity

- Value is often presented in terms of its contribution to human well-being.
- Typically, six sources of value (Dasgupta 2021):
  - Human existence.
  - Direct contribution to human health.
  - The amenity value.
  - The use value of biodiversity *i.e.*, the ecosystem services on which human well-being depends.
  - The existence value of species.
  - Intrinsic value *i.e.*, sacredness, moral standing.

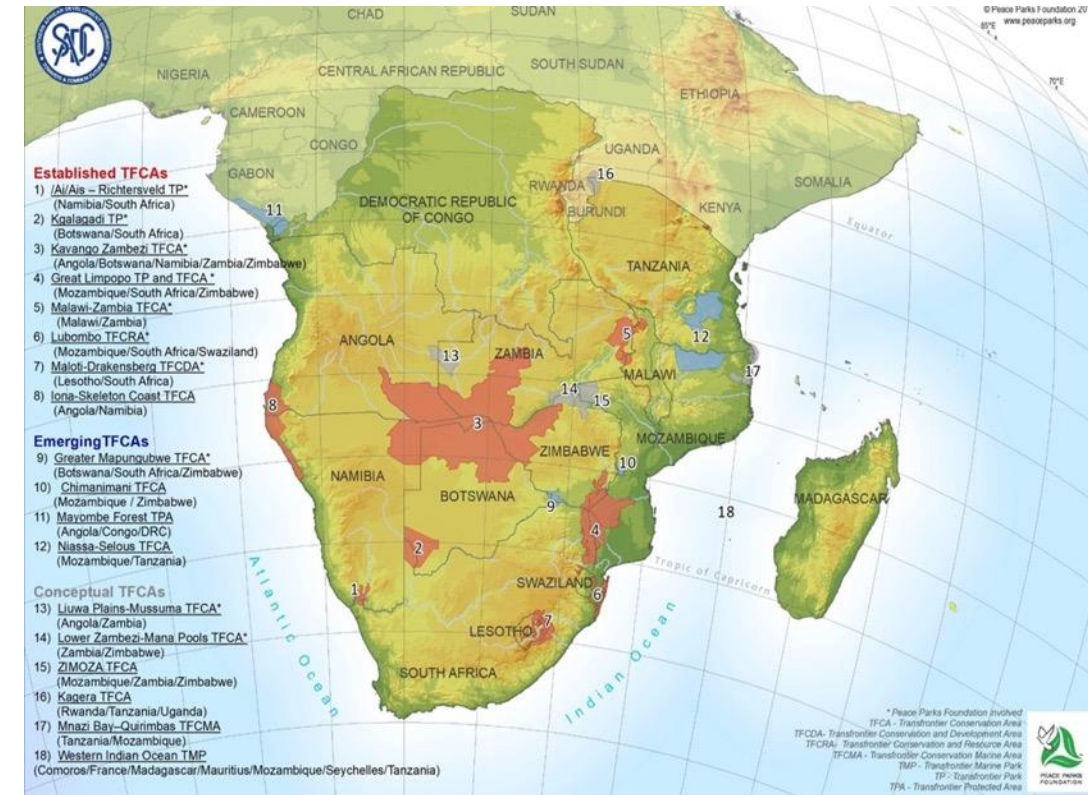
# Measuring the Value of Biodiversity



Ecosystem Service Assessment (ESA) Framework (MA, 2005; TEEB, 2010; ICBES, 2019).

# Value of TFCAs

- Different values to different stakeholders:
  - Enhancing regional integration
    - Political stability
    - Resource Mobilisation
    - Contributions to targets of International Conventions and Agreements (Aichi Targets, SDGs, UNCCD, LDN)
  - Biodiversity
    - Enhanced efficiency - management
    - Enhanced law enforcement effectiveness
  - Reconnecting cultural linkages
  - Other intrinsic values
  - Disaster risk reduction
  - Climate change



# Objective of the Assignment

*Develop a value proposition for TFCAs using existing valuation methodologies and utilizing a cost benefit analysis (CBA) approach.*

- The final output will not include a resource economic detailed valuation of each TFCA, but rather an evidence-based business case or value proposition that seeks to attract investors.
- The business case/value proposition will be structured in a manner that will enable individual TFCAs to also develop similar business cases at an individual TFCA level.
- Overall, approach will take a broad view of the value proposition for the collective of all TFCAs. This will be achieved by drawing on case studies within different TFCAs which will give a holistic view of the different values present.

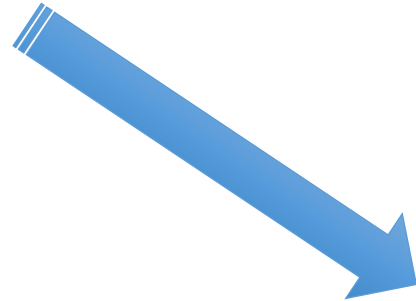
# Methodology Overview

INCEPTION

SYSTEMS DESCRIPTION

DEVELOPMENT OF THE  
VALUE PROPOSITION

PROJECT FINALISATION



1. Establish contact with Working Groups
2. TFCA Analysis
  - Spatial
  - Governance
  - Important ecological and biodiversity features
  - Risks
  - Ecosystem service identification
  - Identification of beneficiaries
  - Management costs
3. Prioritization of Ecosystem Services for valuation

1. Valuation of prioritized ES (Tier 1)
2. Linkages to formal economy
3. Scenario development
4. Business model development

Technical Report:  
Results of valuation & methodology

Summary Report:  
Project Investment Memorandum (PIM)

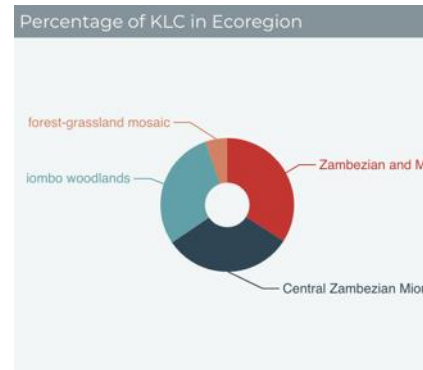


# Systems Description – Malawi-Zambia Example

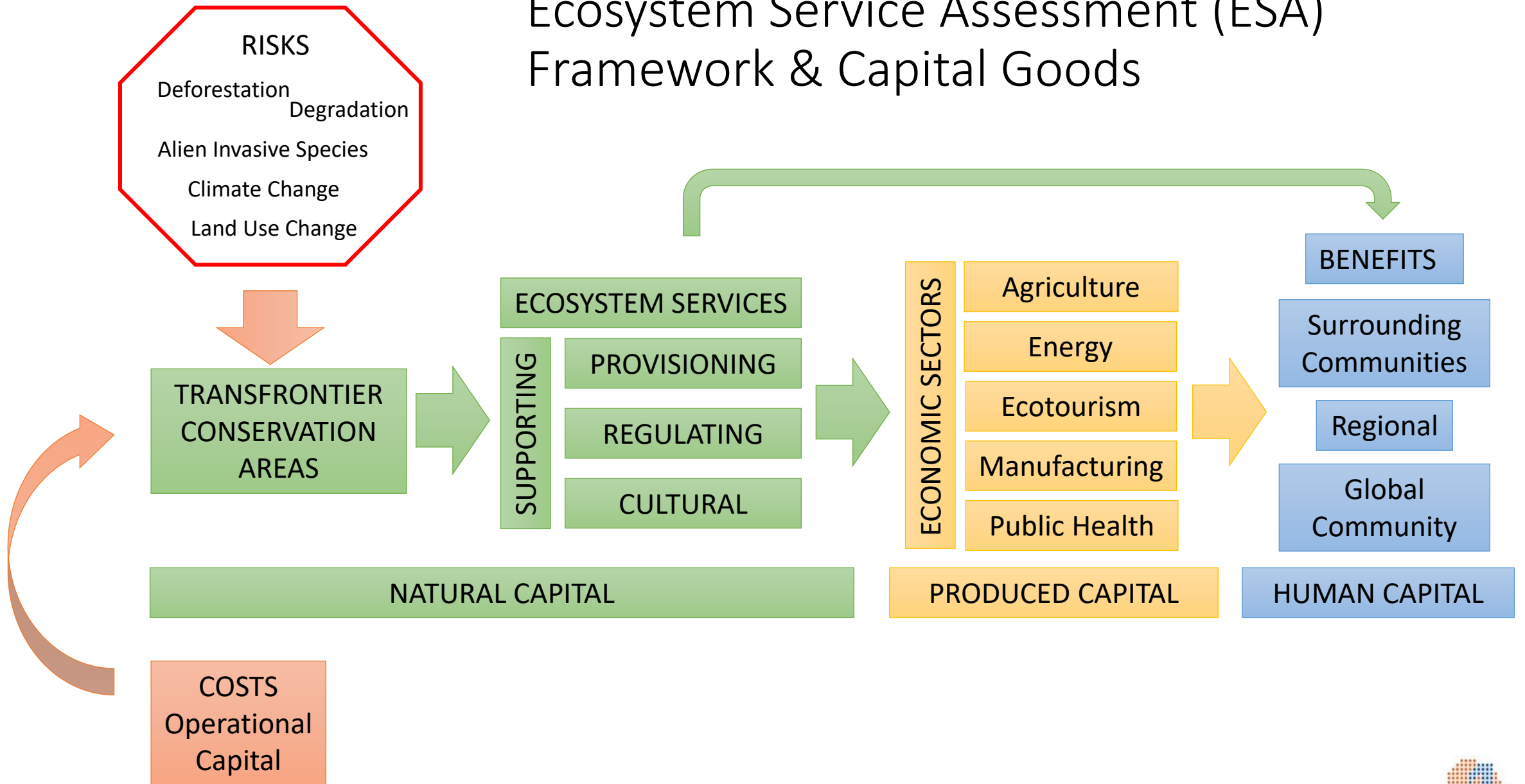


*Purpose: Build an asset register of TFCAs with available data*

Area: 32 278 km<sup>2</sup>  
 TFCAs Category: A  
 Landcover: See below (BIOPAMA [www.rris.biopama.org](http://www.rris.biopama.org))  
 Ecoregions: See below  
 Risks: Deforestation, encroachment, degradation, CC.  
 Ecosystem Services: Water provisioning, carbon sequestration, biodiversity, cultural services,



# Ecosystem Service Assessment (ESA) Framework & Capital Goods



# Project Workplan

<b>Deliverable</b>	<b>Due Date</b>
Deliverable 1: Inception Report	19 August 2021
Inception Meeting SADC/GIZ C-NRM	24 August 2021
Presentation: Inception Report SADC TFCA Network SC	12 October 2021
Deliverable 2: Draft 0 Technical Report	5 November 2021
Presentation: Draft 1 to the SADC TFCA Network SC	TBD
Deliverable 3: Draft 1 Technical and Summary Report	6 December 2021
Presentation: Final Summary Report to Technical Committee on Wildlife	9 February 2022
Deliverable 4: Final Technical and Summary Reports	16 February 2022

# Data Requests from TFCA Network

- Any Specific information on TFCAs
- Existing Case Studies and Reports
- Focused research projects within TFCAs and/or countries
- Previous reports to the SADC TFCA Network
- TFCA Structure Meeting Reports
- Donor Reports regarding Project Implementation, such as,
  - KAZA Dream Fund Project – Kwando WDA
  - KfW Phase III – WDA initiatives
- SADC TFCA Strategies, such as:
  - SADC LEAP Strategy and localised LEAP Strategy for Malawi Zambia TFCA
- Development Strategies, such as,
  - KAZA Cultural Heritage Route
- Species Conservation Strategies , such as,
  - KAZA Carnivore Conservation Strategy
  - KAZA Aerial Census

Information can be sent to:

- <https://drive.google.com/drive/folders/1tGK1GBptsoxjD08lxkHhiKH8lvMMAGri>
- [K.harris@primeafrica.net](mailto:K.harris@primeafrica.net)