



# Breakaway Session - Option 2: Data standards & data sharing in the context of TFCAs

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# Purpose of the session

To identify the best approach to:

1. Promote data sharing
2. Promote the use of common data standards

# Why data matters



Having access to scientifically verifiable data is the basis to make defensible decisions that would have a positive impact on the conservation and management of TFCAs and surrounding communities.

# The challenge



We need access to relevant data (**sharing**) in a common format (**standards**) that can be used by all partners.



# Data Sharing

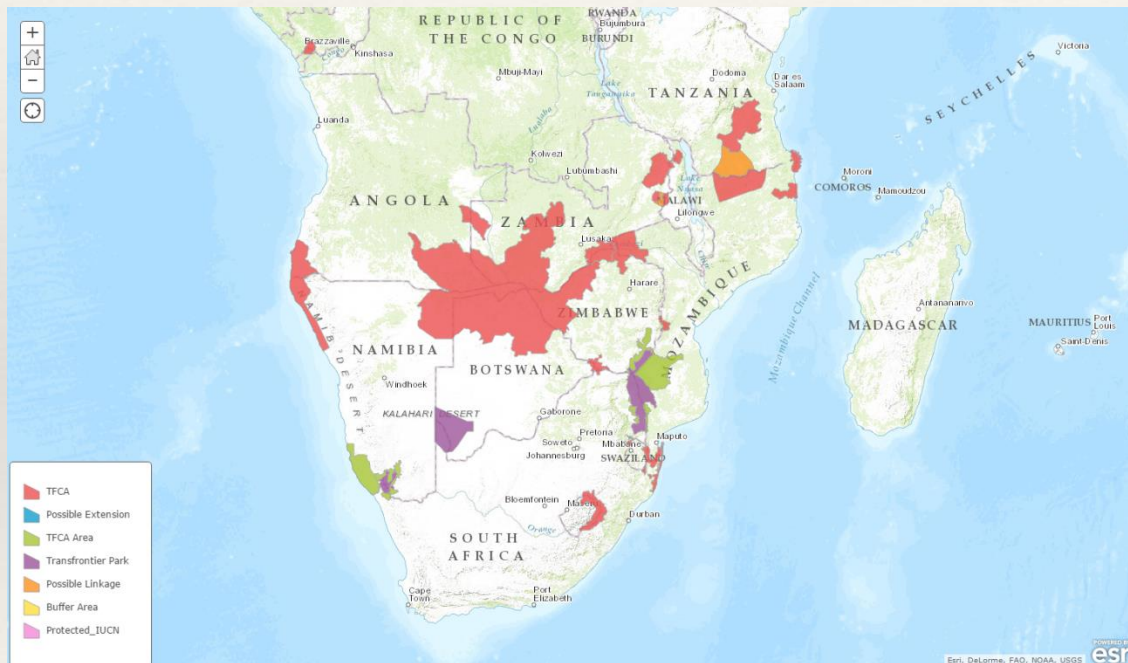
# What kind of data do we need to share?



- Spatial data (maps)
- Synthesis data (e.g. monitoring data)
- Reports
- Management plans

# What kind of data do we need to share?

<http://gis.ppfmaps.opendata.arcgis.com/>



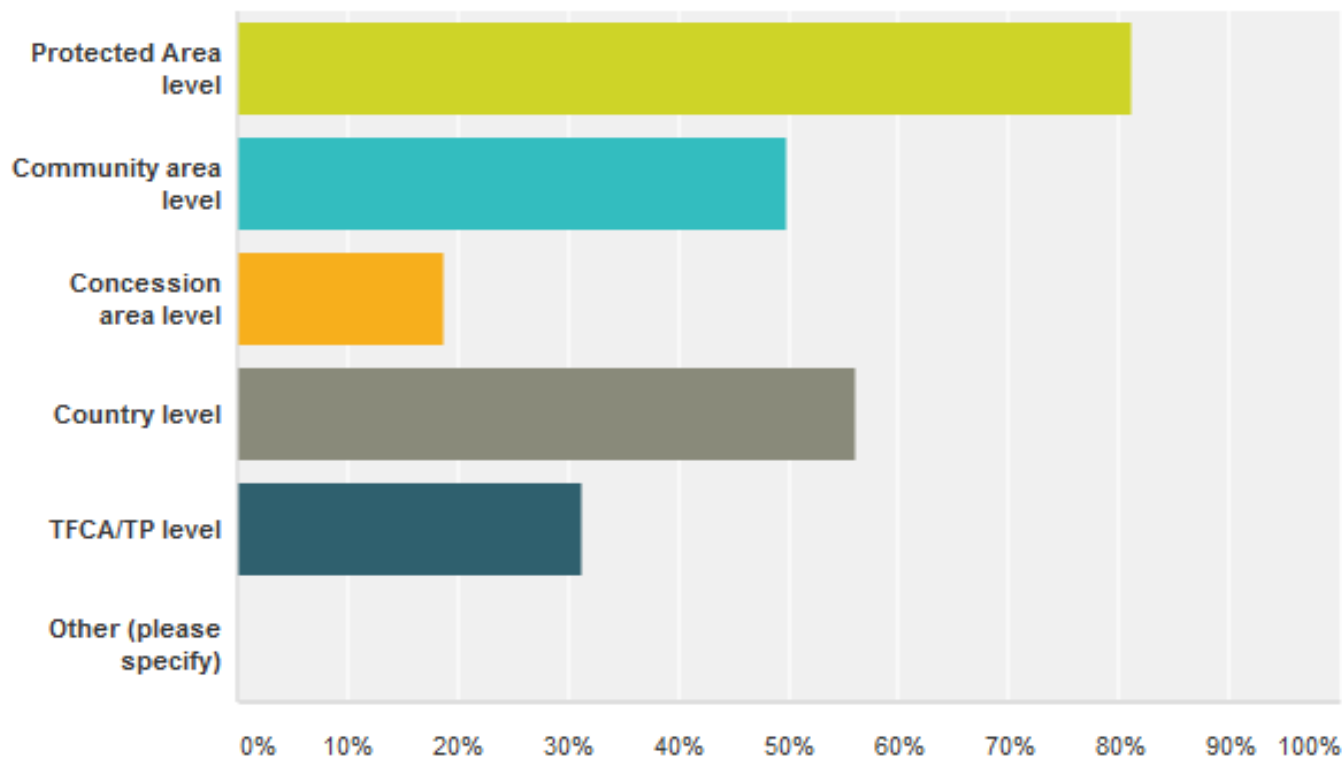
## Spatial Data

- Park boundaries
- Infrastructure
- Species
- Landcover
- Land-use
- Water
- Land-use pressures
- Tourism
- Wildlife crime
- ....

# Data collection in TFCAs

On which level do you collect data in this TFCA/TP? (multiple responses possible)

Answered: 16 Skipped: 0

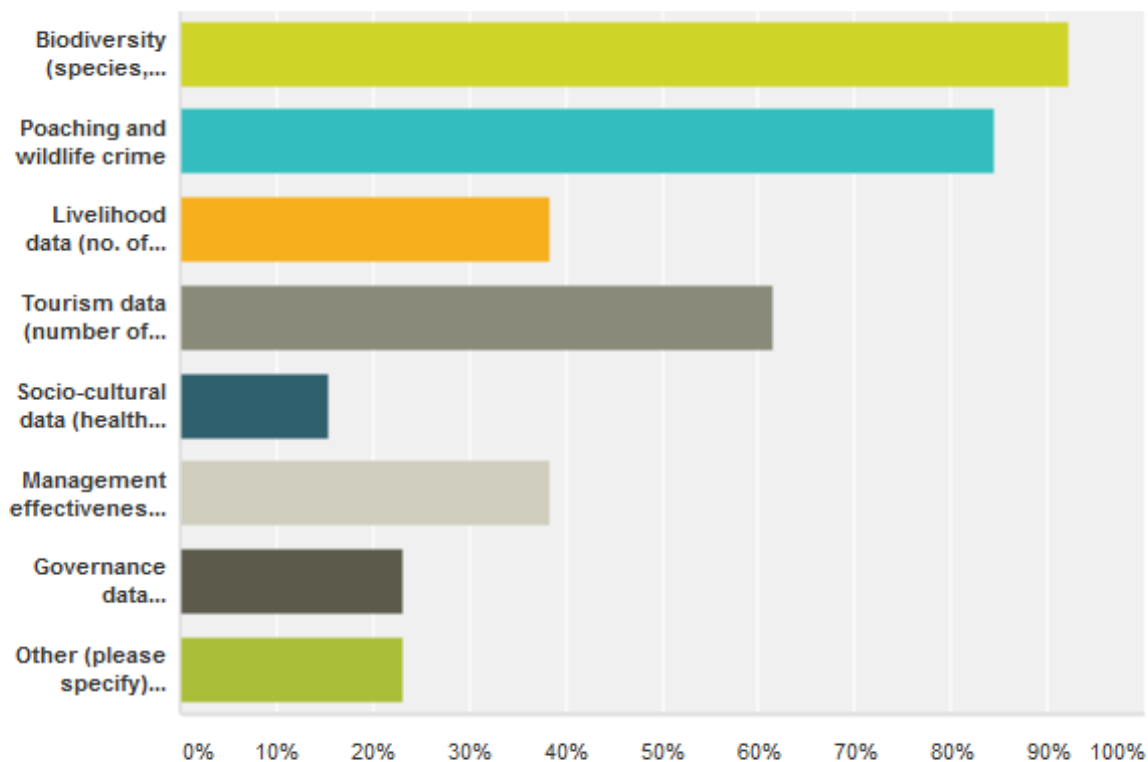




# Data collection in TFCAs

## What kind of data is collected in this TFCA/TP? (multiple responses possible)

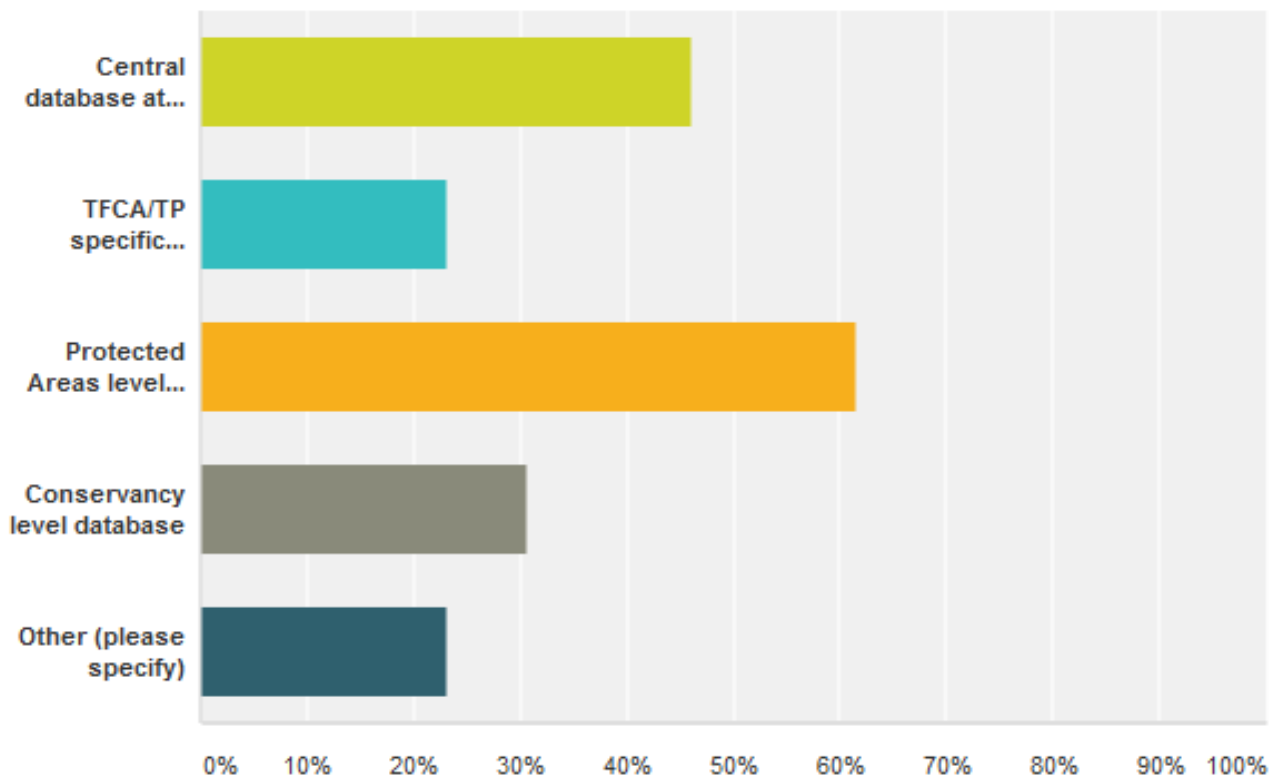
Answered: 13 Skipped: 3



# Data collection in TFCAs

## How is TFCA data currently managed? (multiple responses possible)

Answered: 13 Skipped: 3



# Data collection in TFCAs

**Is data collected consistently across TFCAs/TPs (i.e. same data collected and available from all partner countries involved in the TFCAs/TPs)?**



**Is data shared across the partner countries for this TFCAs/TPs?**



# Data sharing...

## does not mean

- relinquishing data ownership
- relinquishing intellectual property rights
- opening up sensitive or personal data

## does mean

- effective use of resources
- wider acknowledgement
- collaboration between partners
- improved planning, decision making & monitoring



# Type of Data Sharing Agreements

MoU

Data Sharing Agreement

Material Transfer Agreement

Data license (Creative Commons)



# Data Agreements - example

- This Agreement is made and entered into this 13<sup>th</sup> day of May 2009. Between PEACE PARKS FOUNDATION (PPF) and ECOAFRICA , Collectively known as the “parties.”
- PPF has conducted GIS work for the Great Limpopo Transfrontier Park, and more specifically Banhine & Zinave National Parks.
- PPF has developed a set of data and information for GIS use and analyses.
- PPF is either full owner of such data, or using data which already carries with it copyrights, are purchase agreements which allow for restricted/limited use thereof.
- The purpose of this Agreement is to agree to the terms, conditions, and obligations concerning the sharing of data between the parties. Therefore, PPF and ECOAFRICA agree to share data related to the Banhine & Zinave National Parks under the following conditions:

1. ECOAFRICA agree to share the resultant datasets from their project work, from the originating data with PPF.
2. All data will be transferred/shared in mutually agreeable formats
3. Both parties agree to maintain confidentiality and privacy safeguards that were originally entered into under which these data were gathered. In this respect, both parties agree not to release data or information to anyone with prior written agreement from the other Party.
4. Both parties agree to the conditions of the original proposal/agreements under which data sharing was initiated.
5. Both parties agree to acknowledge each other in the use and working of the data and information, reporting & map production.
6. This agreement extends to the activities and behaviour of assistants, project collaborators, etc.
7. All publications and Maps arising from this shared data set must be reviewed and approved by each parties point of contact, and due acknowledgements need to be made.
8. This Agreement shall be in full force and effect from the first date written above.
9. The terms and provisions of this Agreement represent the entire understanding of the parties with respect to the subject matter of this Agreement.
10. The undersigned individuals represent that they are fully authorized to execute this Agreement on behalf of the respective parties, perform the obligations under this Agreement, and make all representations, warranties, and grants as set forth herein.



# Data Standards

# What are data standards?

Documented agreements on the criteria used to collect data.

TFCA Community – standards are being used, but requires are more formal adoption.






# Data standards – example of data standards being applied

VO.	TFCFA ABBREVIATION	TFCFA NAME	COUNTRIES	PPF
<b>TREATY SIGNED</b>				
1.	ARTP (ARTFCA)	/Ai /Ais - Richtersveld TP	Namibia/South Africa	✓
2.	KTP / <b>KGTP</b>	Kgalagadi TP	Botswana/South Africa	✓
3.	<b>KazaXX</b> / KZTFCFA	Kavango Zambezi TFCFA	Angola (Ao) /Botswana (Bw) /Namibia (Na) /Zambia (Za) /Zimbabwe (Zw)	✓
4.	GLTP (GLTFCFA)	Great Limpopo TP / TFCFA	Mozambique/South Africa/Zimbabwe	✓
<b>MoU SIGNED</b>				
5.	<b>LuTECSA</b>	Lubombo TFCRA	Mozambique/South Africa/Swaziland	✓
	-SMTFCA	Songimvelo-Matibela TFCRA	South Africa/Swaziland	✓
	-LuCG	Lubombo Conservancy - Goba TFCFA	Mozambique/Swaziland	✓
	-UTF	Uthmaniyah-Tlokoeng TFCFA	Mozambique/South Africa/Swaziland	✓
	-NPTFCA	Nhampeni-Pongola TFCFA	South Africa/Swaziland	✓
	-PKTFCA	Ponta do Quilico Bay TFCFA	Mozambique/South Africa	✓
6.	MDTFCFA	Maloti-Drakensberg TFCFA	Lesotho/South Africa	✓
7.	ISTFCA	Iona-Skeleton Coast TFCFA	Angola/Namibia	✓
8.	GMTFCA	Greater Mapungubue TFCFA	Botswana/South Africa/Zimbabwe	✓
9.	CMTFCA	Chimanimani TFCFA	Mozambique / Zimbabwe	✓
10.	MZTFCFA	Malawi - Zambia TFCFA	Malawi/Zambia	✓
	-NTFCA	Nyika TFCFA	Malawi/Zambia	✓
	-KLTFCFA	Kasungu-Lulusazi TFCFA	Malawi/Zambia	✓
<b>CONCEPTUAL TFCFAs</b>				
11.	-	Maiondo Forest TFCFA	Angola/Congo/DRC	
12.	LMTFCA	Luvua Plains-Mussuna TFCFA	Angola/Zambia	✓
13.	LZMP	Lower Zambezi-Mana Pools TFCFA	Zambia/Zimbabwe	✓
14.	-	ZIMOZA TBNRMP	Mozambique/Zambia/Zimbabwe	
15.	-	Kagera TFCFA	Rwanda/Tanzania/Uganda	
16.	NSTFCA	Niassa-Selous TFCFA	Mozambique/Tanzania	✓
17.	MQTFCA	Mozai Bay-Quirimbas TFCMA	Tanzania/Mozambique	✓
18.	-	Western Indian Ocean TFCFA	Comoros/France/Madagascar/Mauritius/Mozambique/Seychelles/Tanzania	

### Maikaelelo

WDPA ID	Status	Designation	Management Authority	IUCN Management Category
7456	Designated	Forest Reserve	Department of Forestry and Range Resources	II



Maikaelelo Forest Reserve

**General** | Habitats | Species | Climate | Pressures | Fires | Management | References

Protected Area Name: Maikaelelo


Country: Botswana


This protected area does not have land cover change information.  
This PA is not marine.

[Link to DOPA](#)

[Link to Protected Planet](#)

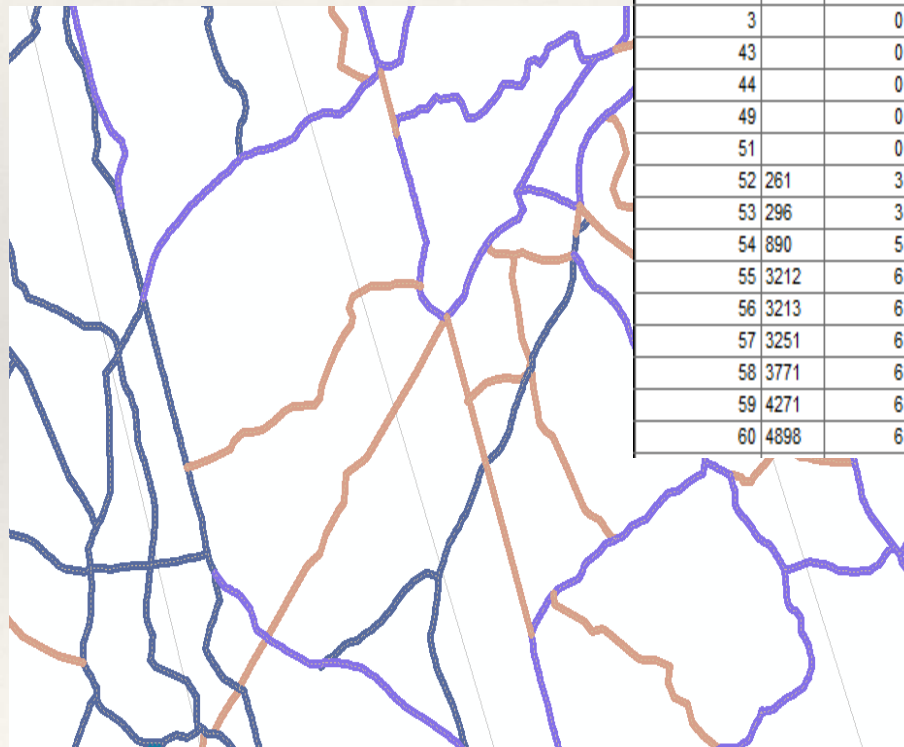
**DOPA indicators for Maikaelelo**





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# Data standards – example of data standards not being applied



-  <all other values>
-  <Null>
-  comment
-  gravel
-  off road
-  service road
-  tar
-  trail

OBJECTID *	name	number	comment	descriptio	source	url	url_name	Shape *
5756		0		batule				Polyline
5745		0		batule				Polyline
12		0		batule				Polyline
2		0		batule				Polyline
3		0		batule				Polyline
43		0		batule				Polyline
44		0		batule				Polyline
49		0		batule				Polyline
51		0		batule				Polyline
52	261	3	tar					Polyline
53	296	3						Polyline
54	890	5						Polyline
55	3212	6	service road					Polyline
56	3213	6	service road					Polyline
57	3251	6	service road					Polyline
58	3771	6	service road					Polyline
59	4271	6	service road					Polyline
60	4898	6	gravel					Polyline



# Data standards & sharing - benefits

- Improved collaboration
- Efficient use of resources
- Improved planning & decision making
- Sharing of skills, methods and best practices
- Improved quality of data
- Encourages meta-analysis – looking at the big picture



# Questions

# Discussion

1. What is preventing organisations from sharing their data?
2. What activities can we undertake to overcome these challenges to data sharing?
3. What current initiatives, policies or legislation are available that could assist to promote data sharing?
4. How do we promote the uptake of common data standards in the region?
5. What are the major challenges in collecting data & what do we need to address these challenges?