



What could an alternative to fence-based FMD management mean for the wildlife sector and sustainable tourism?

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Wildlife friendly beef workshop Maun 8-9th November 2017



Setting the scene

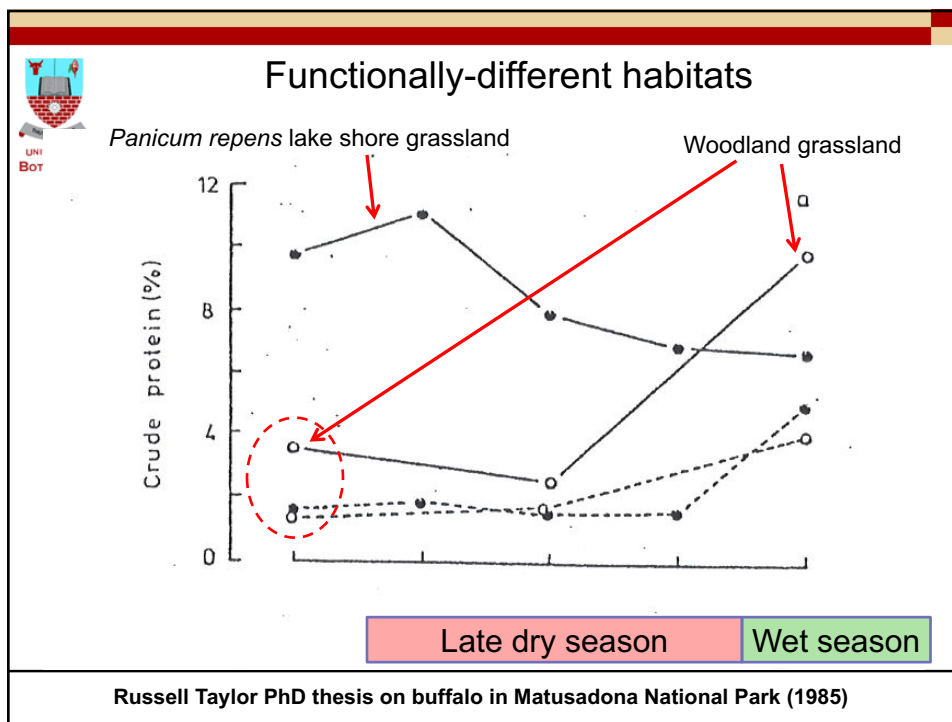
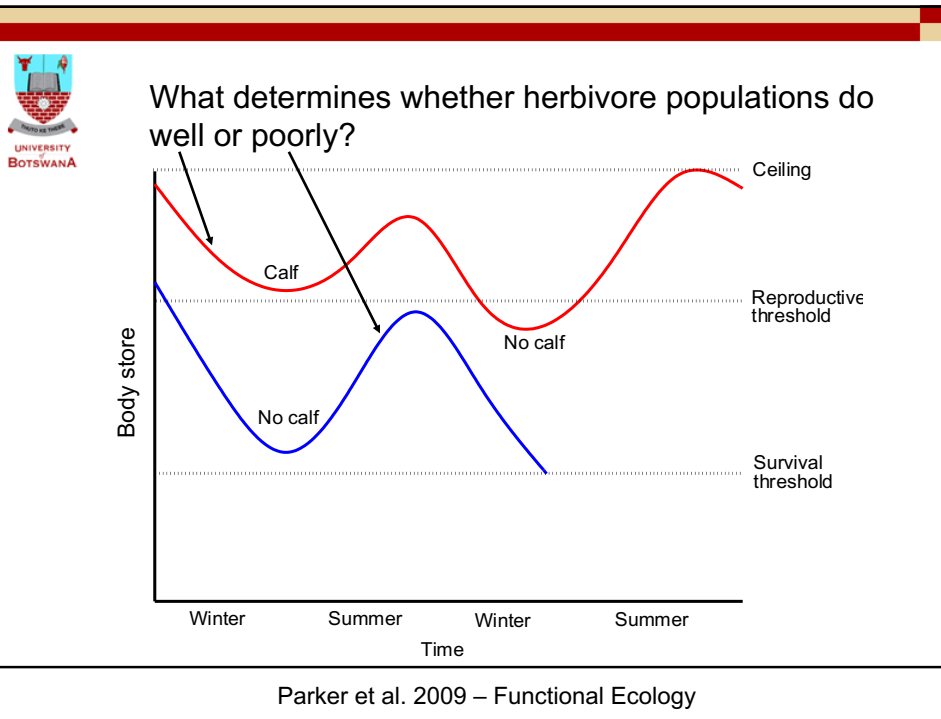
Fat or thin? Winners or losers?
Wildlife/Tourism or livestock
Does it have to be this way?



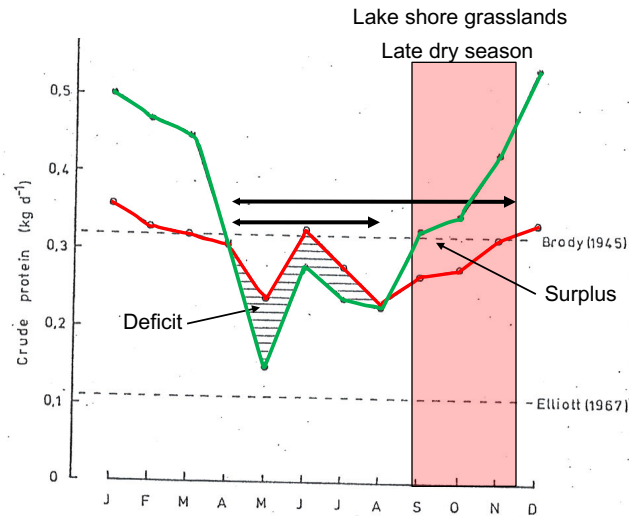
Photo credit:
Richard Fynn



Photo credit:
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Access to critical seasonal resources



Russell Taylor PhD thesis on buffalo in Matusadona National Park (1985)

How do these wetland/dryland habitat
differences influence
wildlife seasonal movements in northern
Botswana?

NG 33/34 to Makgadikgadi Pans
(Bartlam-Brooks et al. 2011 –
Oryx 45: 210-216)



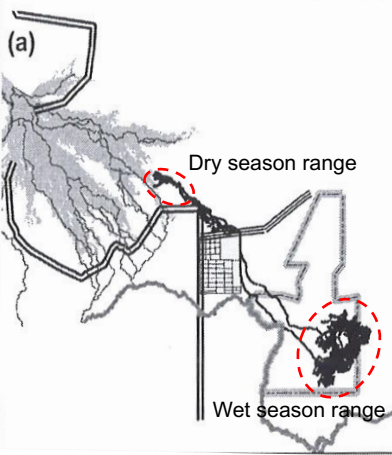
Photo credit:
Emily Bennitt

Old floodplain grassland (NG 34)



Makgadikgadi Pans saline
grassland

Photo credit:
Richard Fynn



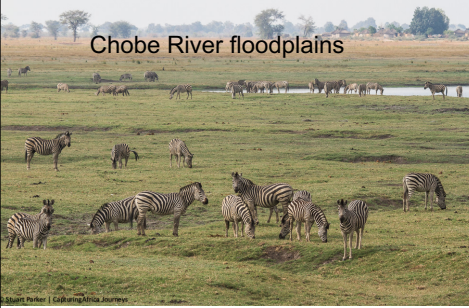
(a)

Dry season range

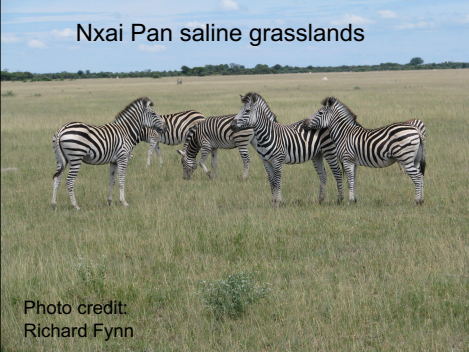
Wet season range

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Chobe River floodplains
to Nxai Pan
(Naidoo et al. 2014 – Oryx 50: 138-
146)

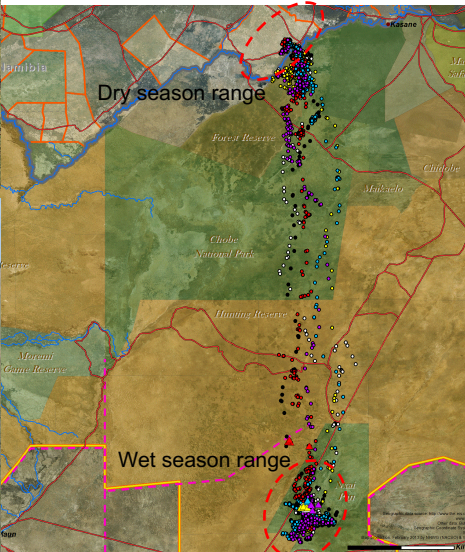


Chobe River floodplains



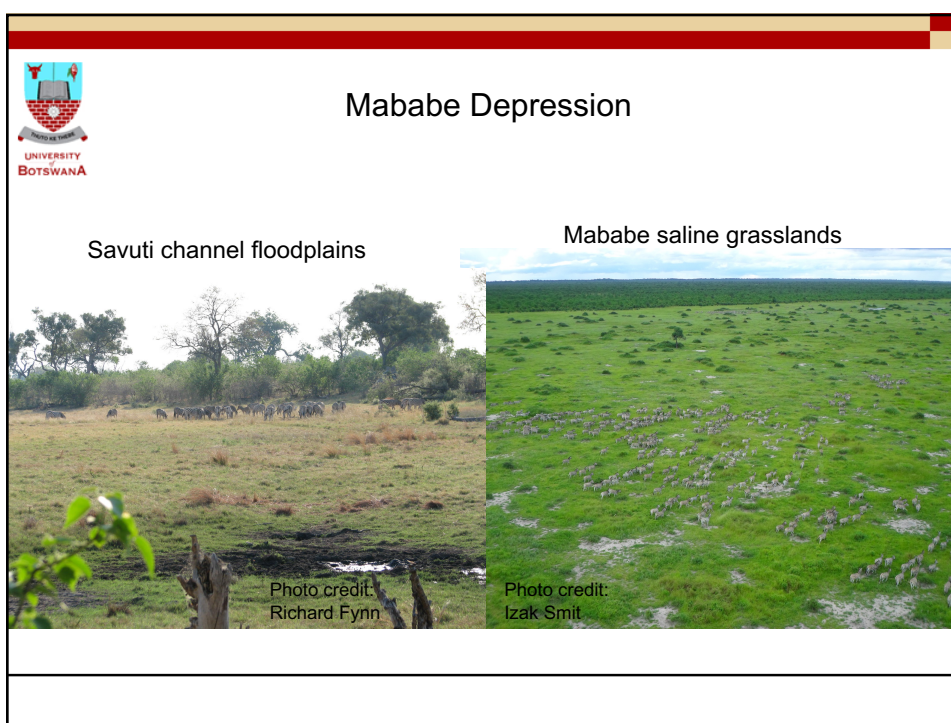
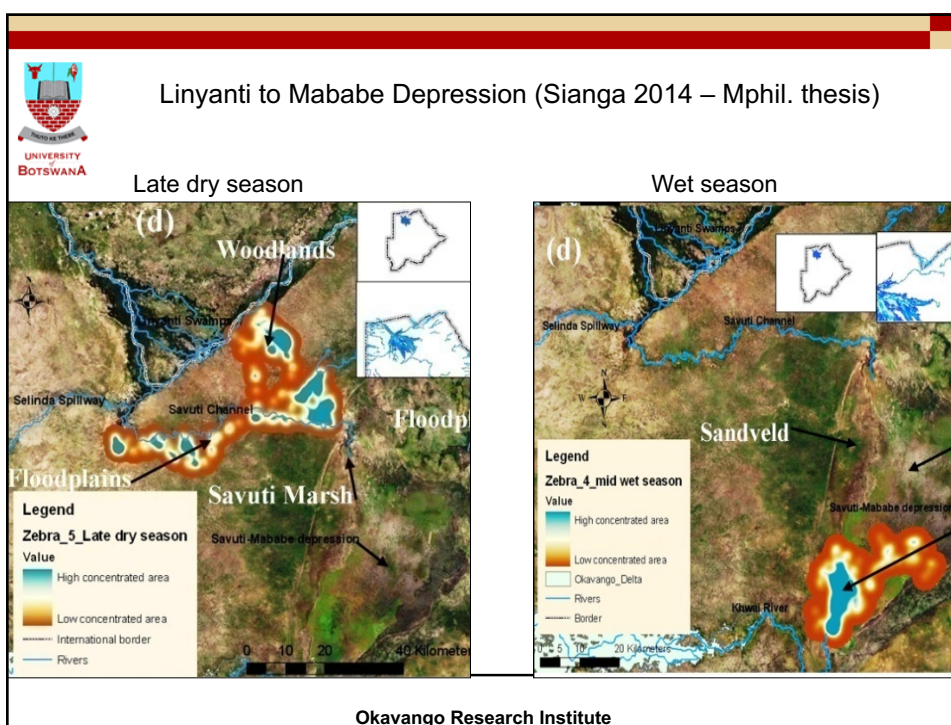
Nxai Pan saline grasslands

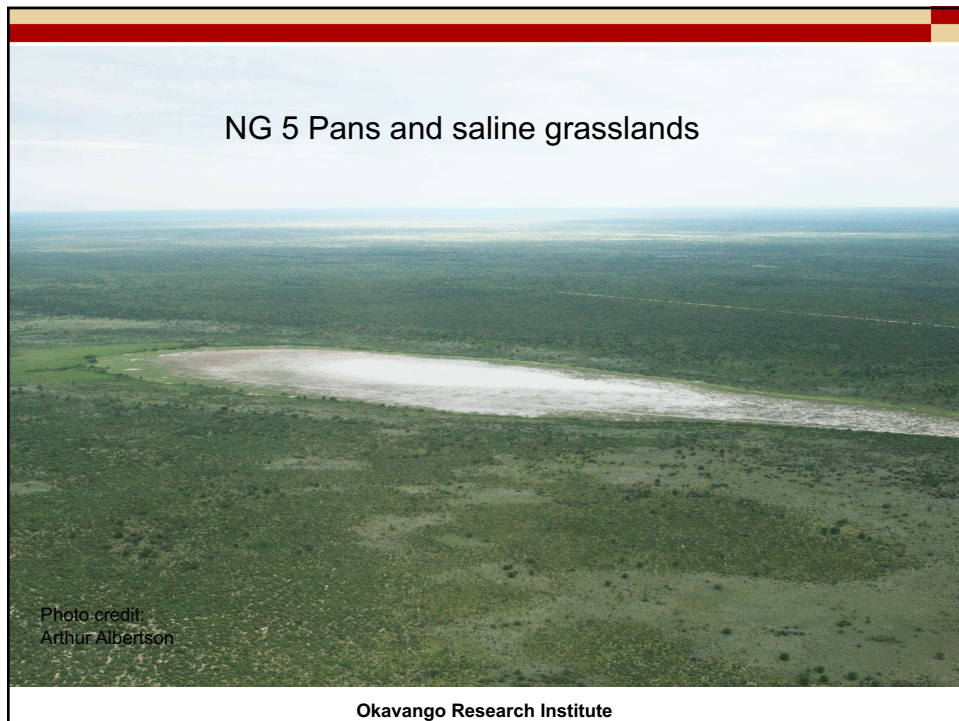
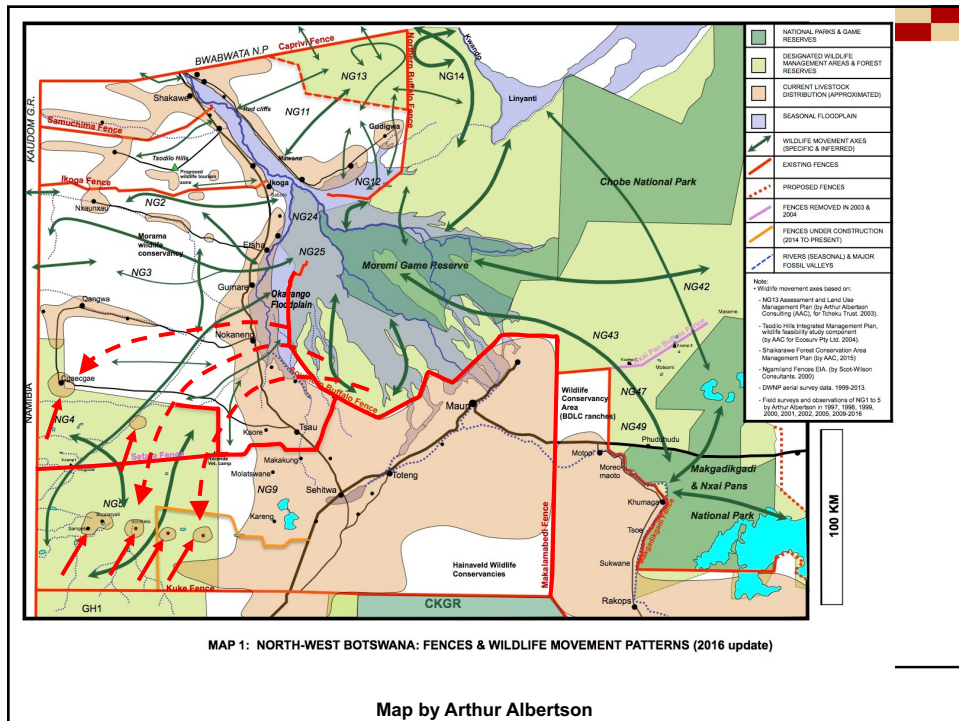
Photo credit:
Richard Fynn



Dry season range

Wet season range







Buffalo seasonal habitat use



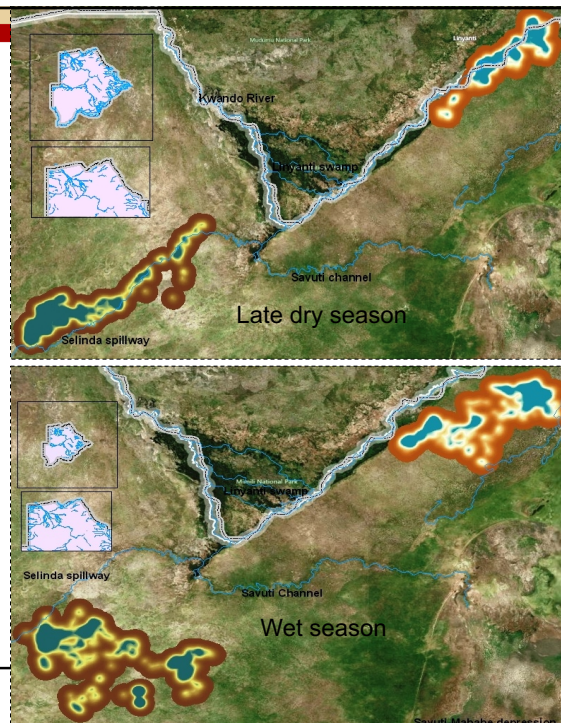
Photo credit:
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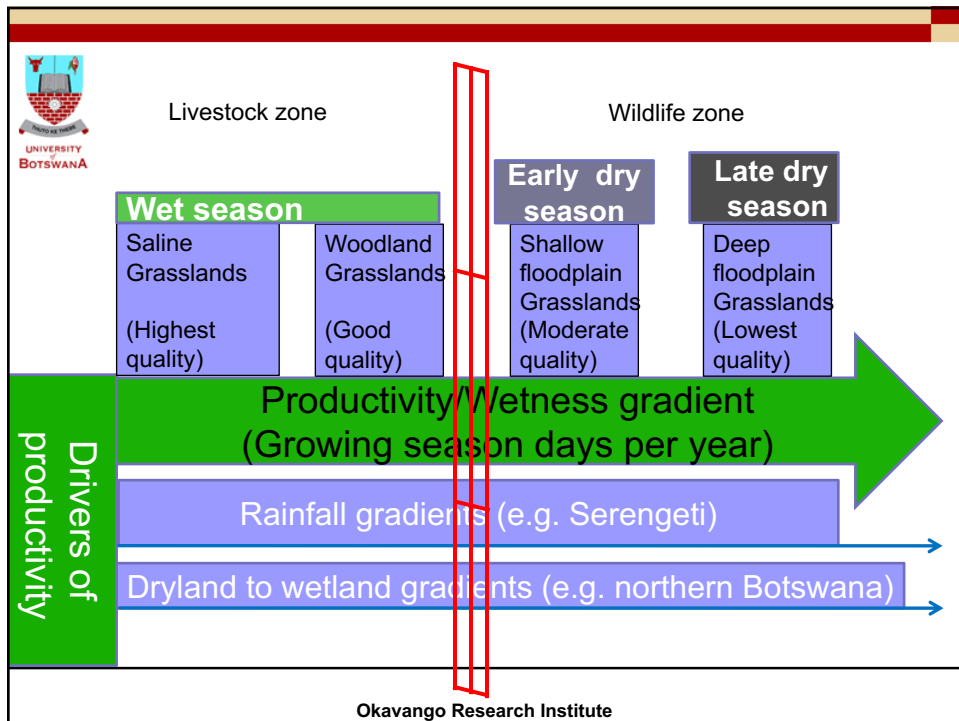
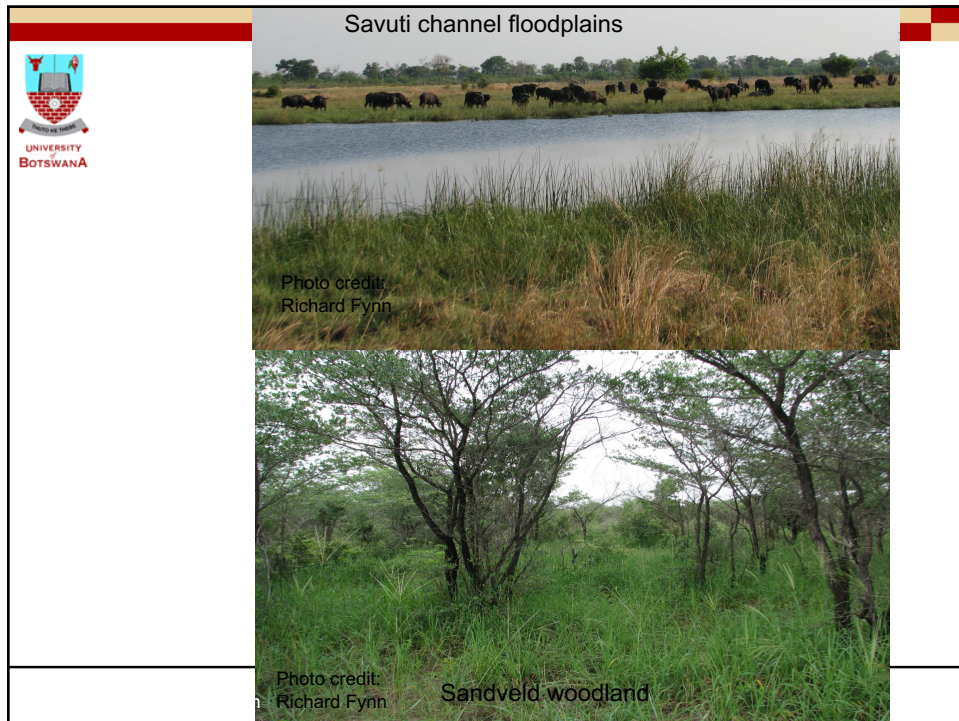
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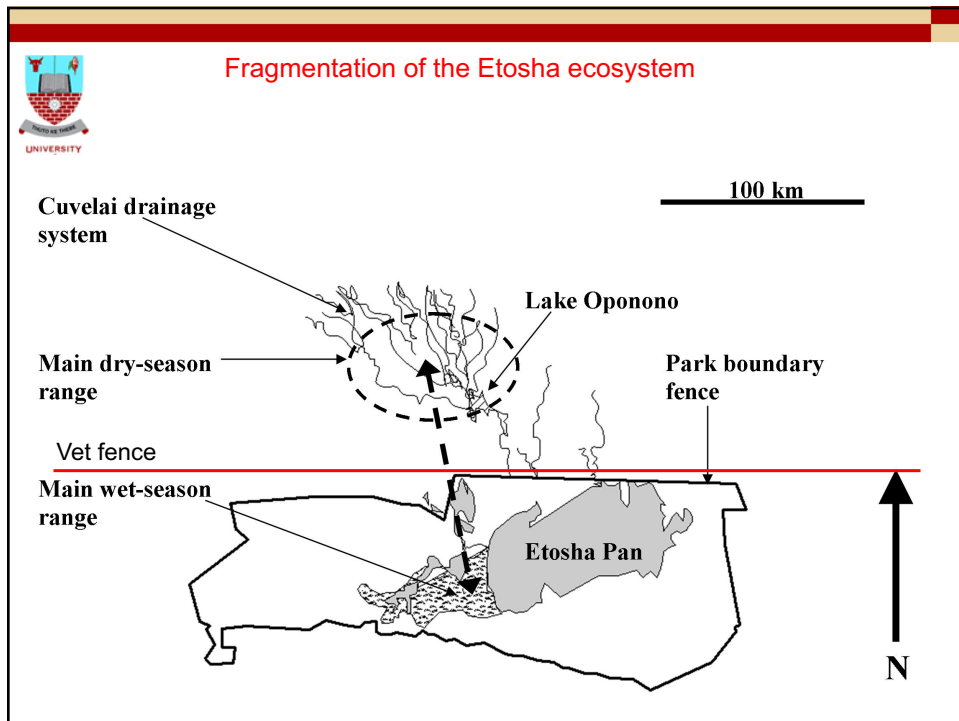
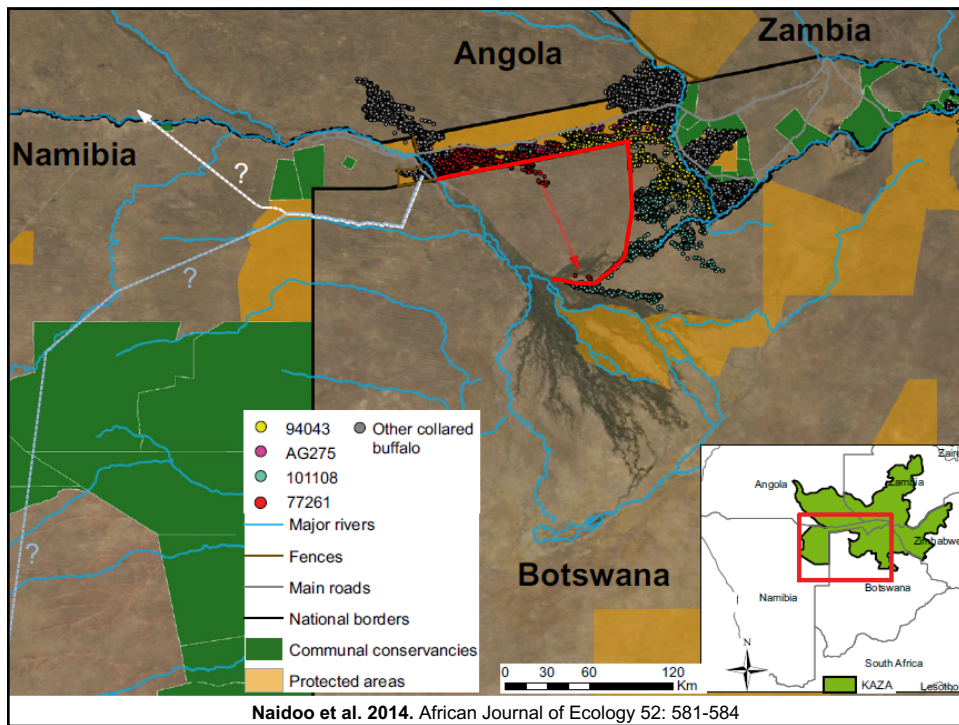


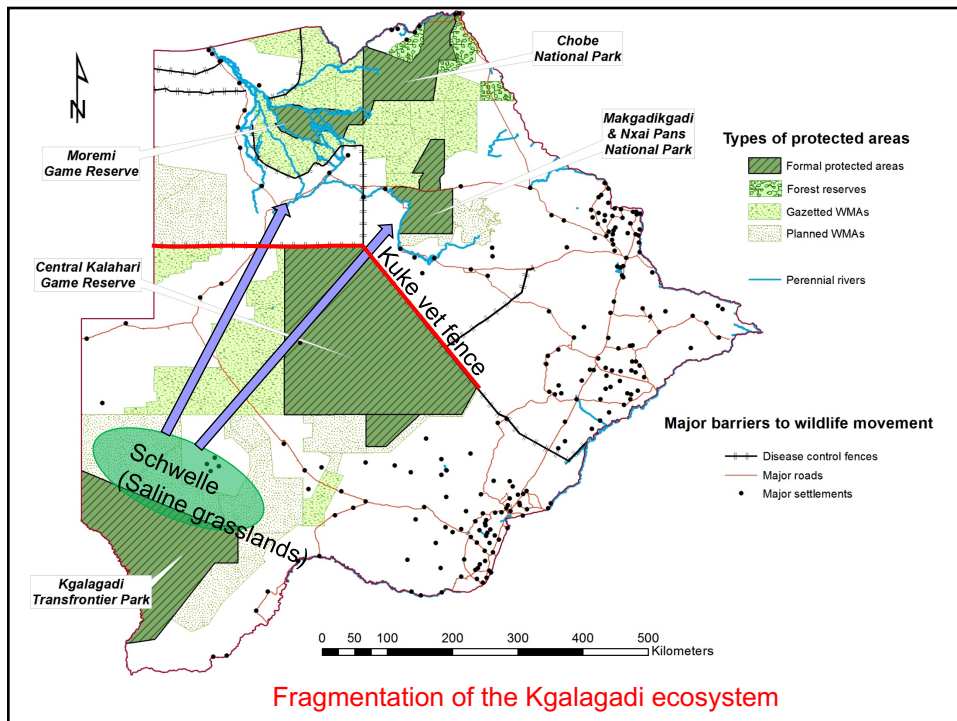
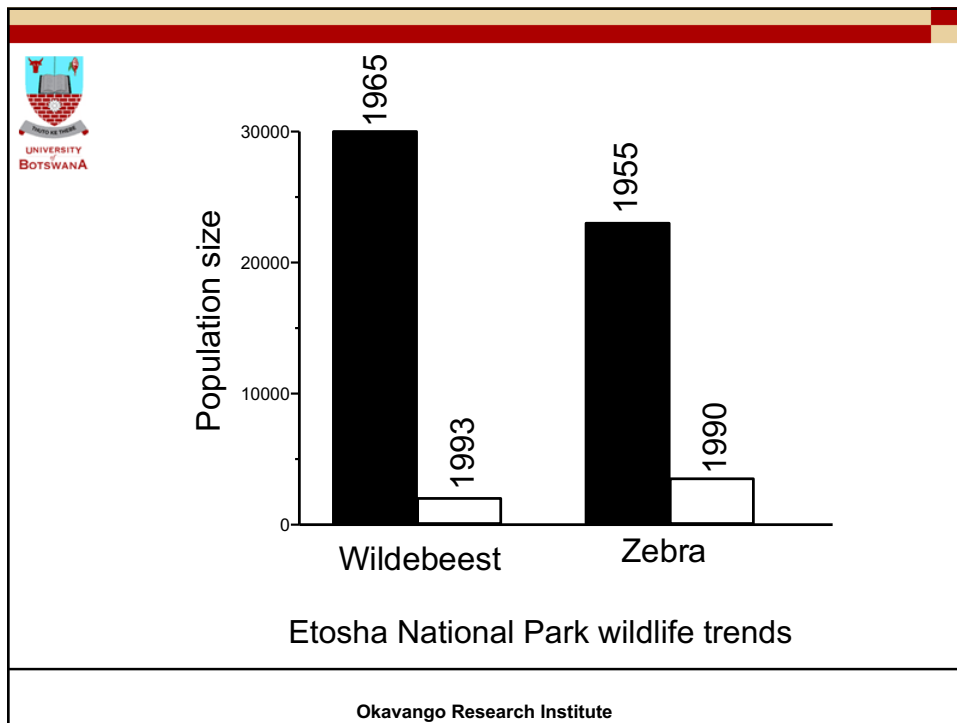
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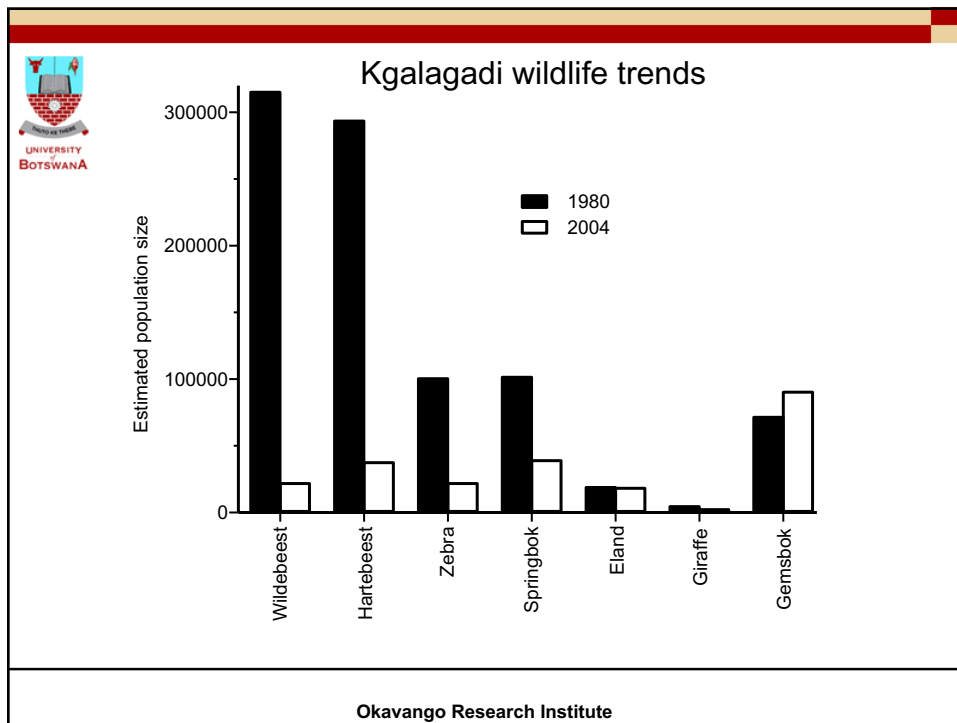
Mababe-Linyanti buffalo
seasonal movements











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Conclusions

- FMD management under a strategy of geographic separation of wildlife and livestock through veterinary fences is:
 - Destructive for wildlife populations and counter productive for growth of the tourism industry
 - No longer practically or economically viable because of excessive damage to fences by a massive elephant population

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Conclusions

- Sustainable and profitable tourism relies on large unfragmented conservation areas (TFCAs)
- Tourism is not viable in many community areas of KAZA because wildlife is fenced out – defeating the objective of TFCAs and limiting tourism development and income to communities

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Conclusions

- Growth in the tourism industry and community development will be facilitated by a commodity-based trading approach to FMD management

Ke a leboga Asante sana
Thank you

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