37th ISCTRC CONFERENCE, MOVENPICK HOTEL & RESIDENCES, NAIROBI, KENYA 14-19 SEPTEMBER 2025

Update on the Development of the National Atlases for Tsetse and Animal Trypanosomiasis in Zimbabwe

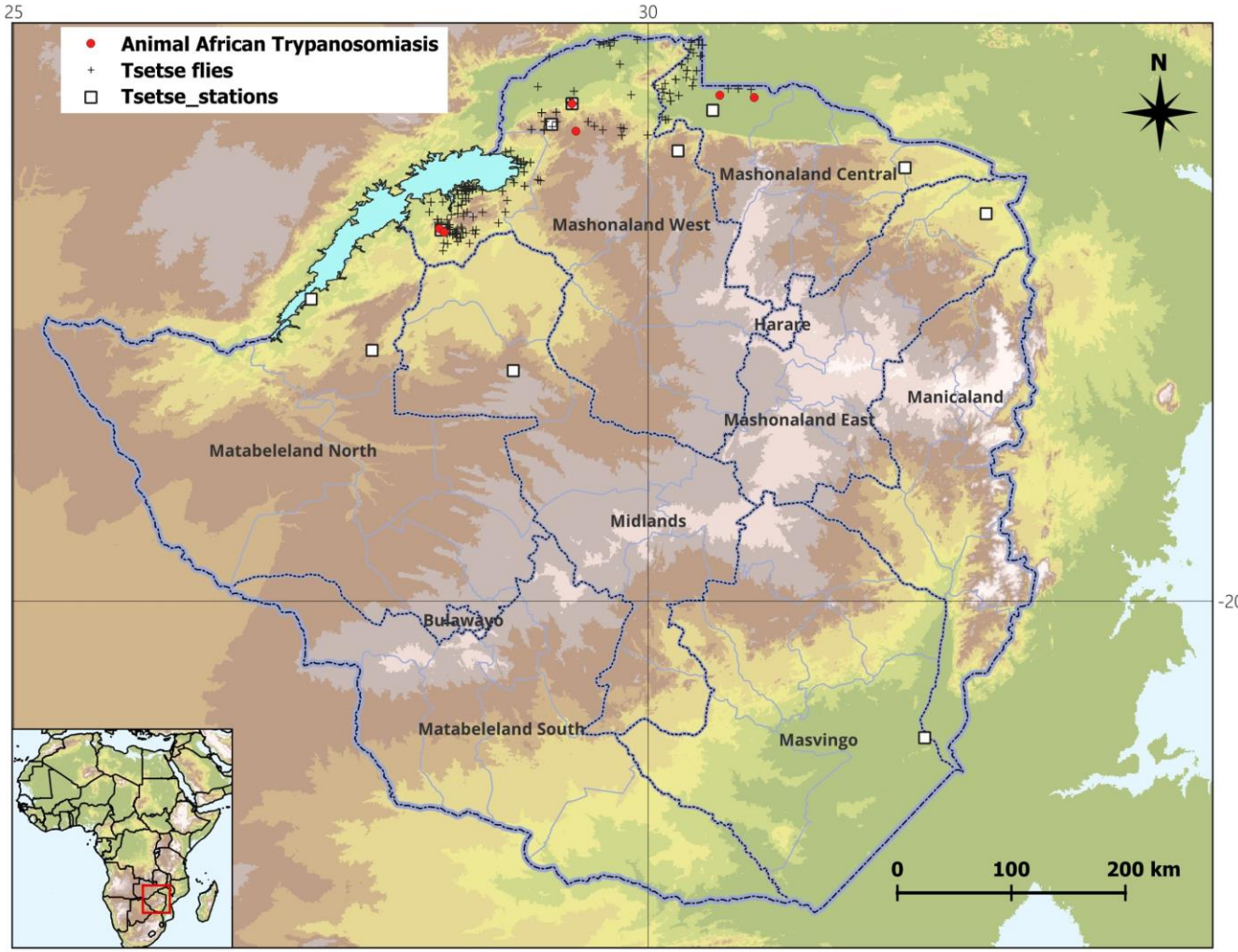
Presented by

L. Nyakupinda

Background

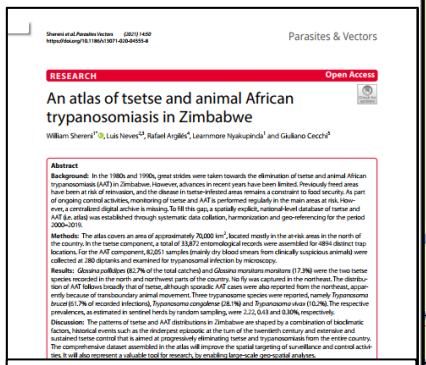
Tsetse and African Animal Trypanosomiasis (TAAT) distribution in Zimbabwe:

1. The generation of maps for both tsetse and trypanosomiasis surveillance and control is pivotal to the country's policy of **progressive TAAT elimination** in support of sustained **rural development.**
2. Before Atlas development, latest Map of AAT distribution in Zimbabwe was published in 1999 under the RTTCP. (1986-1999 data)
3. 1st Edition of National Atlas on T &AAT distribution in Zimbabwe was published in 2021. (2000–2019 data).
4. 4. 2nd Edition of the National Atlas on TAAT distribution in Zimbabwe supported by COMBAT Project is being enabled enhancement of the Atlas (2020-2025 data).
5. Continuously updates are key for informed decision making and Policy /Strategy formulation.



Current TAAT distribution in 2025

Atlas 1.0

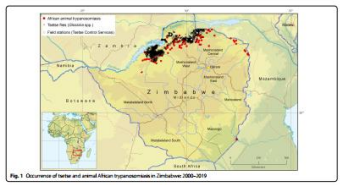


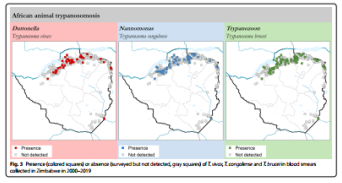
Parasites & Vectors

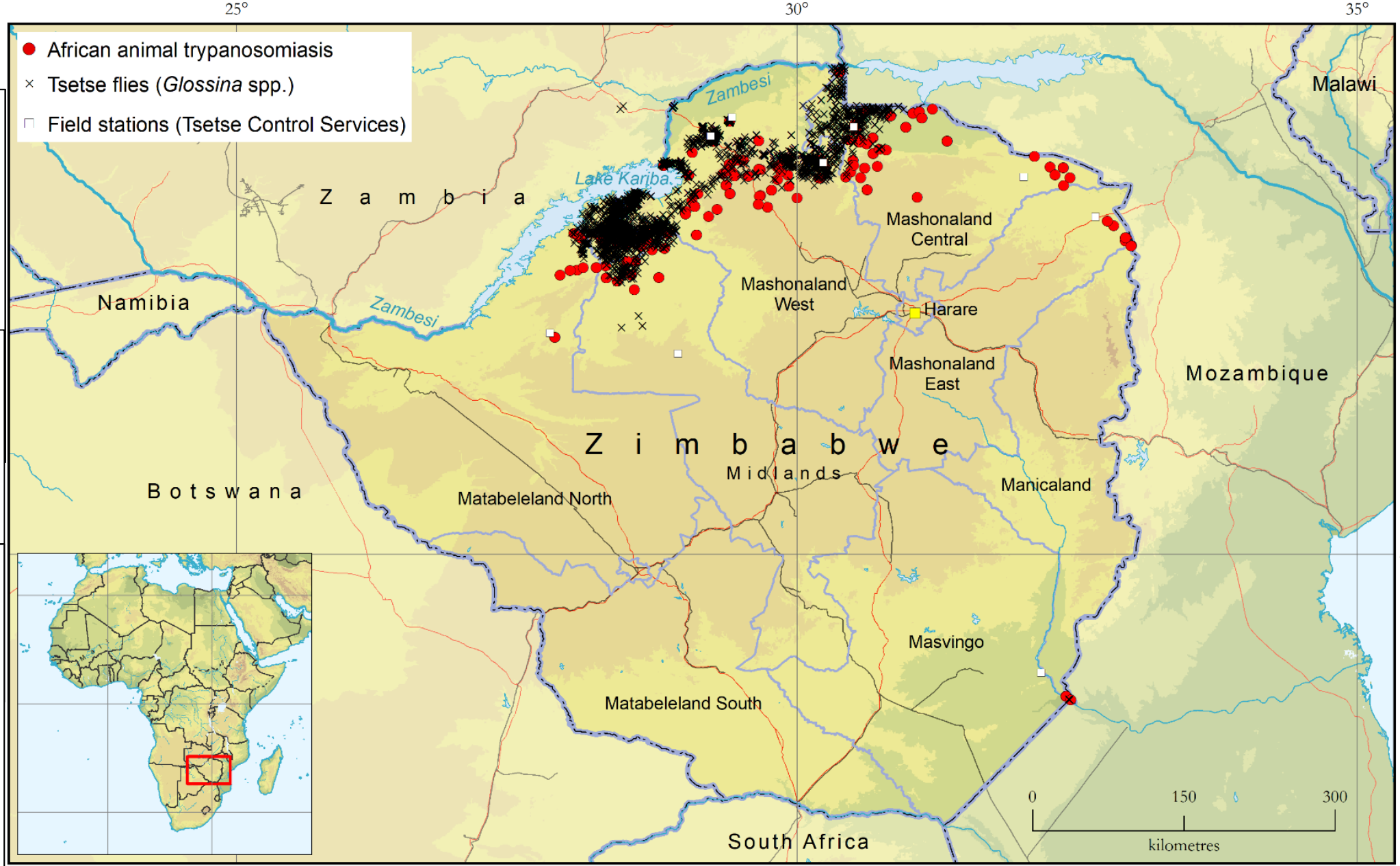
RESEARCH Open Access

An atlas of tsetse and animal African trypanosomiasis in Zimbabwe

William Sherene[1*], Luis Neves[2,3], Rafael Argilés[4], Learnmore Nyakupinda[1] and Giuliano Cecchi[5]





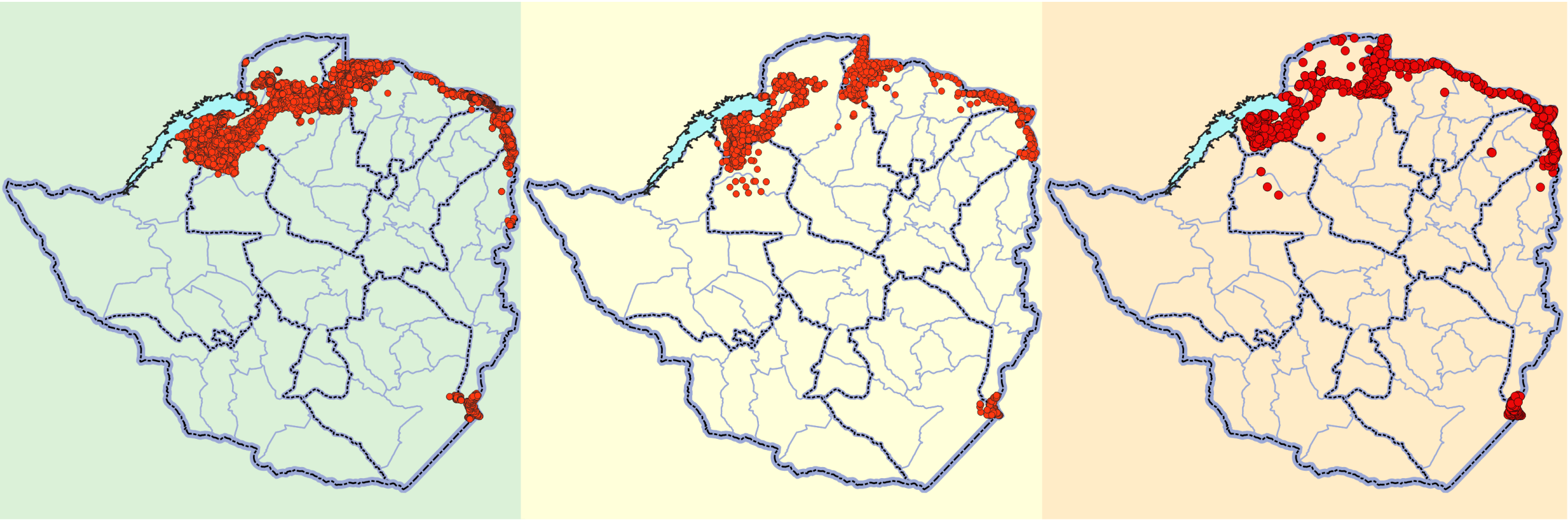


https://parasitesandvectors.biomedcentral.com/articles/10.1186/s13071-020-04555-8

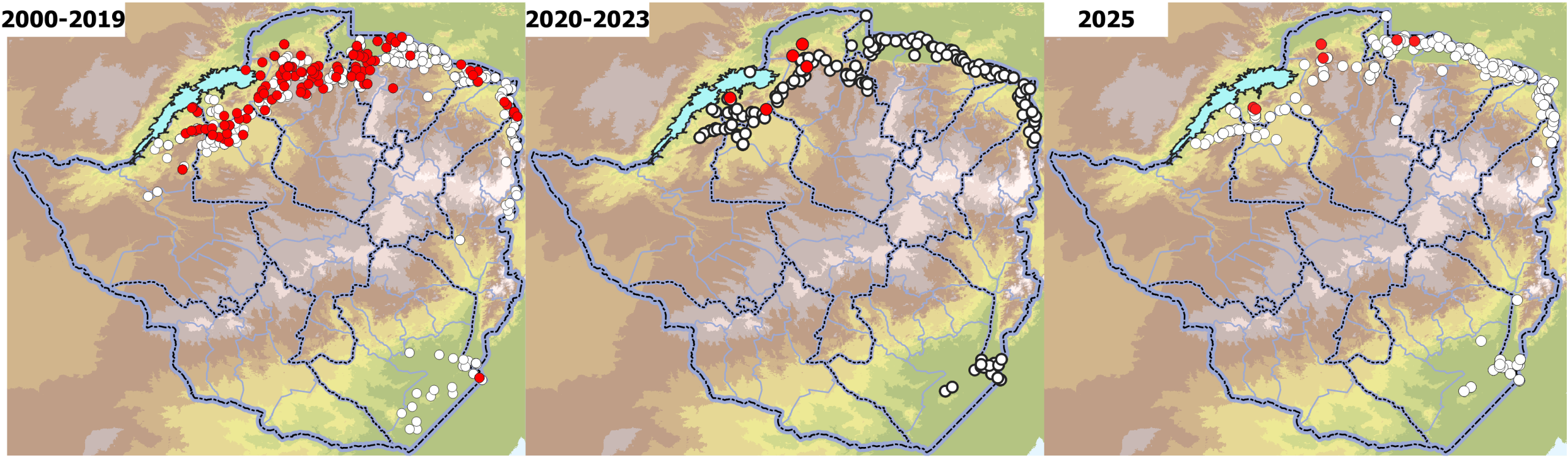
Summary

Period	Tsetse information			Africa Animal Trypanosome Information						Comments
	# of records	*G. morsitans*	*G. Pallidipes*	Records	Blood Samples	Trypanosomes recorded			*Total*	
						T. vivax	*T. congolensi*	*T. Brucei*		
2000-19	38 872	172 135 (17%)	824 697 (83%)	4 178	82 080	207 (10%)	574 (28%)	1260 (62%)	2 041	1st Atlas Edition
2020-23	13 748	8 803 (3%)	252 878 (97%)	1 103	16 546	0	0	19 (100%)	19	Update as of 2023
2024-25	8 721	3315(2%)	149862 (98%)	1 400	5 351	0	0	28 (100%)	28	2nd edition under development

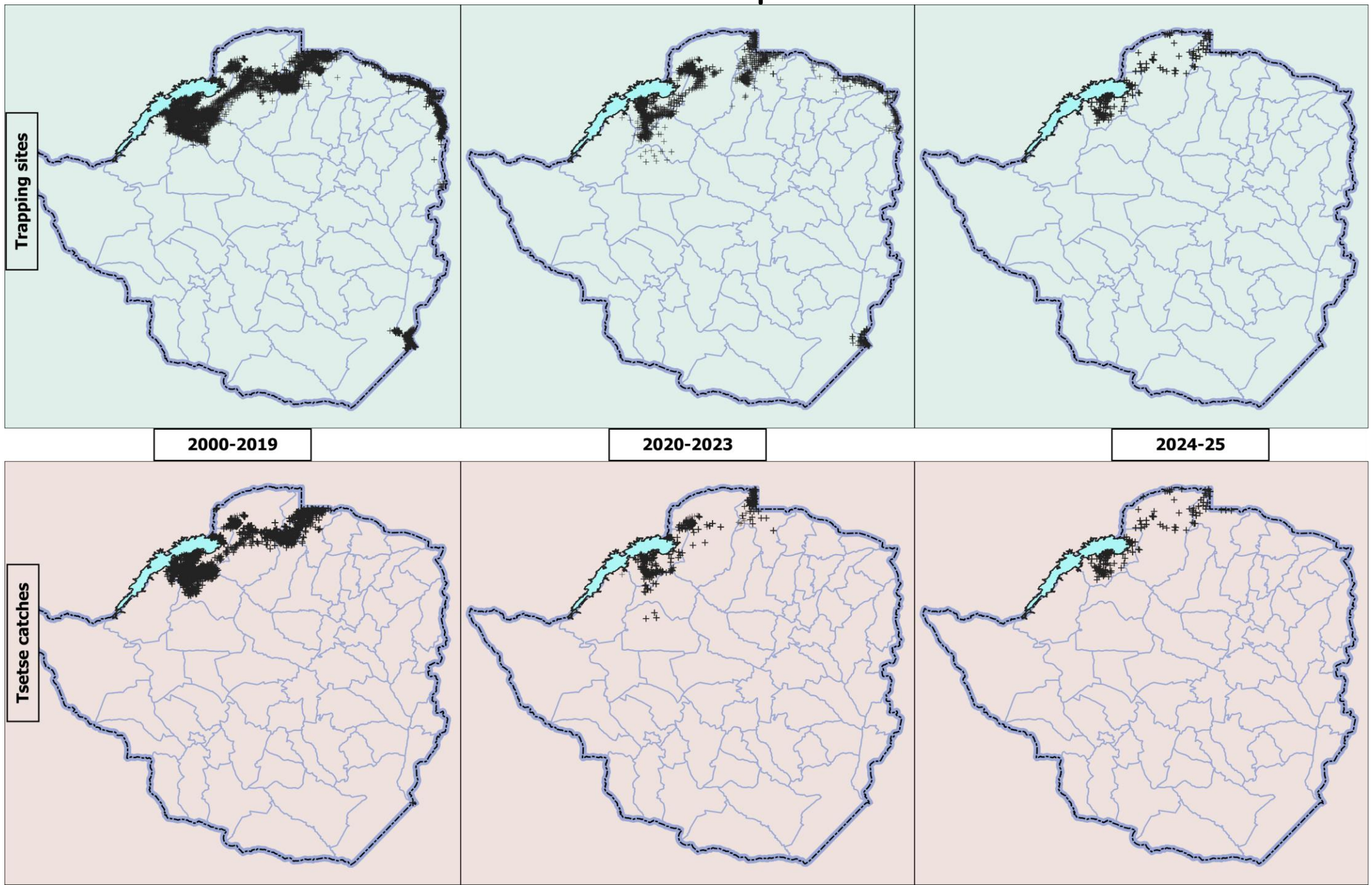
Tsetse Trap Sampling Sites



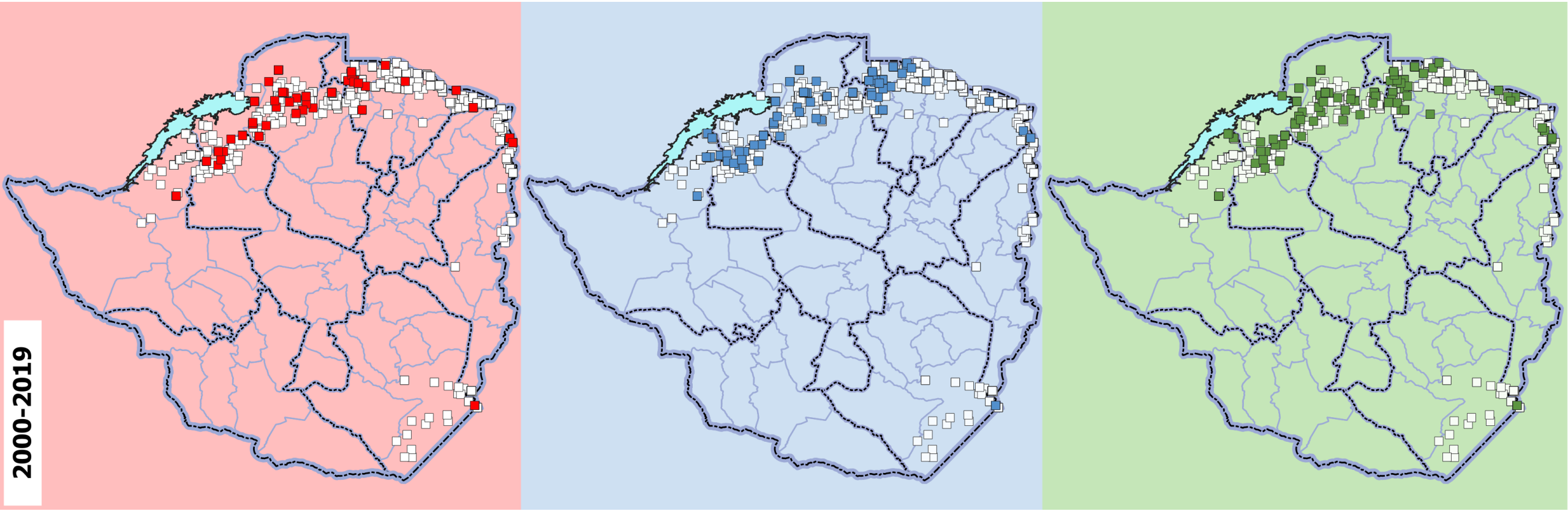
AAT Distribution Maps



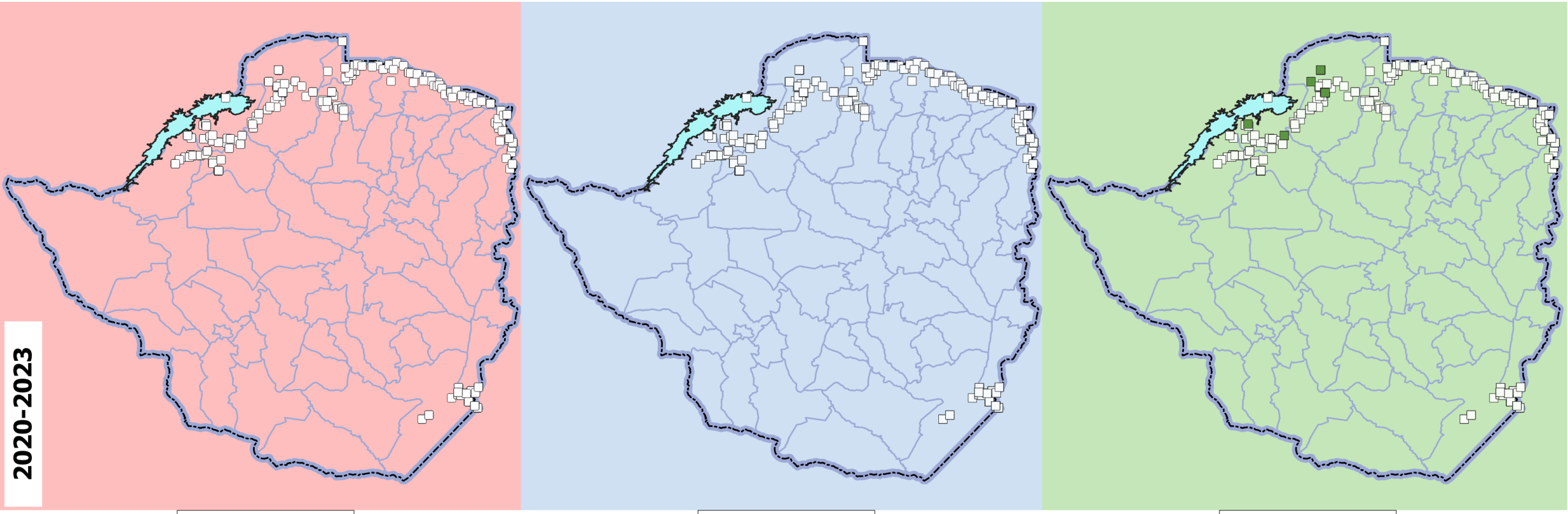
Tsetse Catches Distribution Maps: 2025



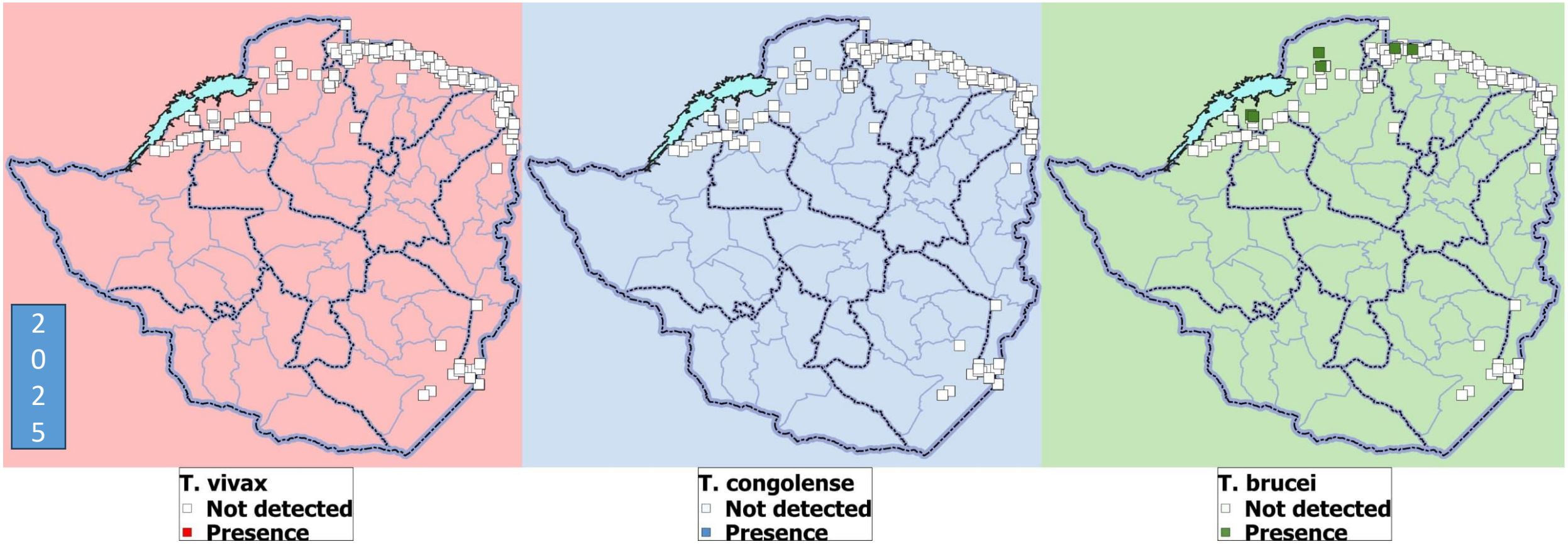
AAT Species Distribution: 2000-2019



AAT Species Distribution: 2020-2023



AAT Species Distribution: 2025





IAEA
International Atomic Energy Agency

Food and Agriculture
Organization of the
United Nations

COMBAT

Asanteni sana

Thank you