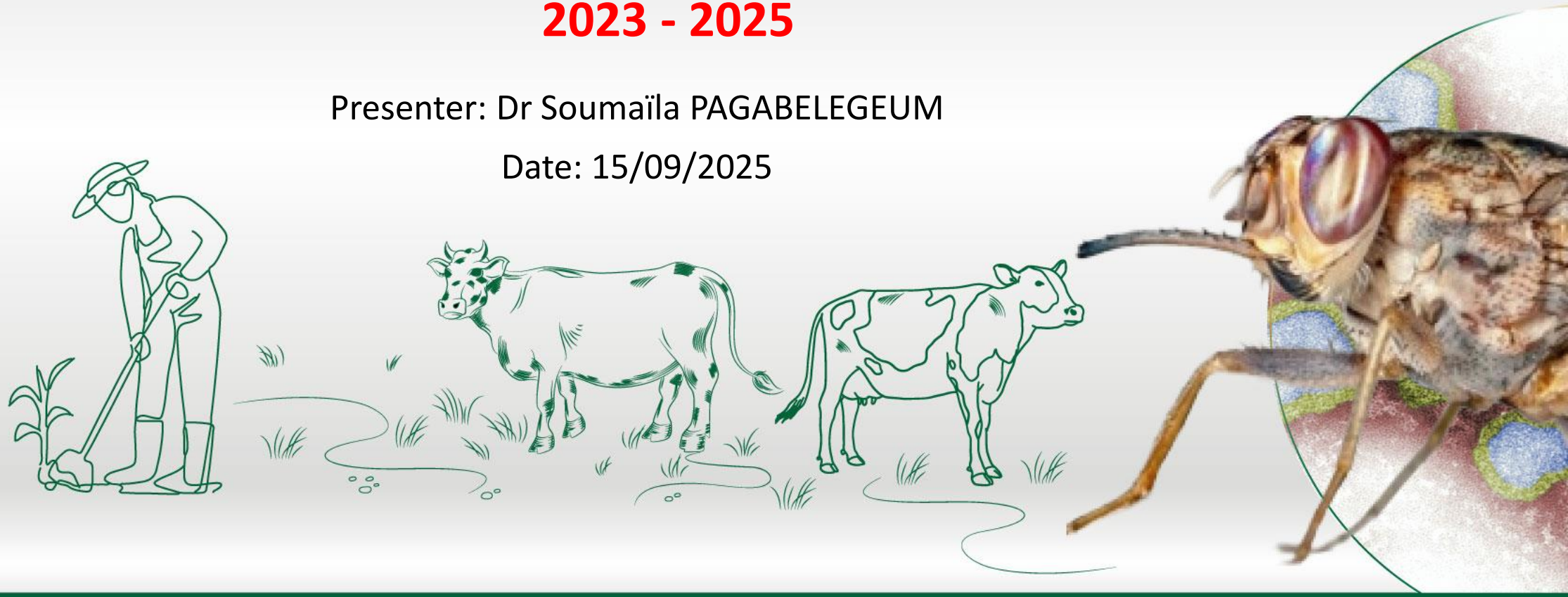
37TH CONFERENCE OF THE INTERNATIONAL SCIENTIFIC COUNCIL FOR TRYPANOSOMIASIS RESEARCH AND CONTROL (ISCTRC)
15 – 19 September, 2025 Nairobi, Kenya

37E CONFÉRENCE DU CONSEIL SCIENTIFIQUE INTERNATIONAL POUR LA RECHERCHE ET LE CONTROLE SUR LA TRYPANOSOMIASE (CSIRCT)
15 – 19 septembre 2025, Nairobi, Kenya

TSETSE AND TRYPANOSOMOSIS CONTROL ACTIVITIES IN BURKINA FASO 2023 - 2025

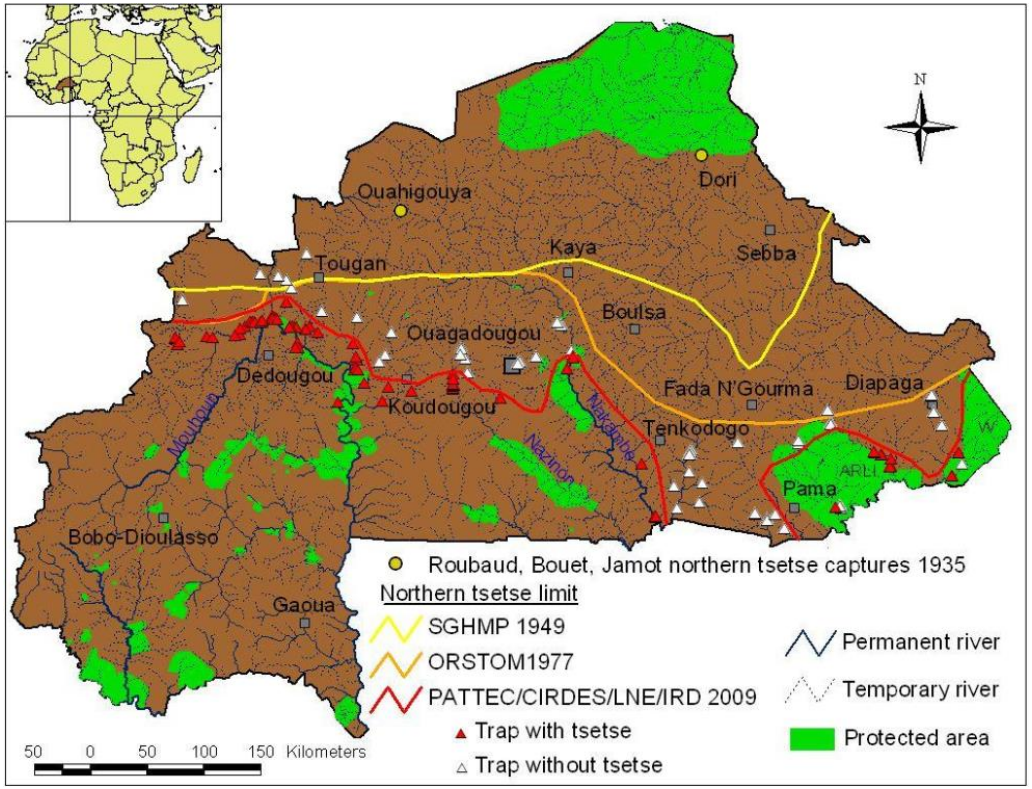
Presenter: Dr Soumaïla PAGABELEGEUM

Date: 15/09/2025



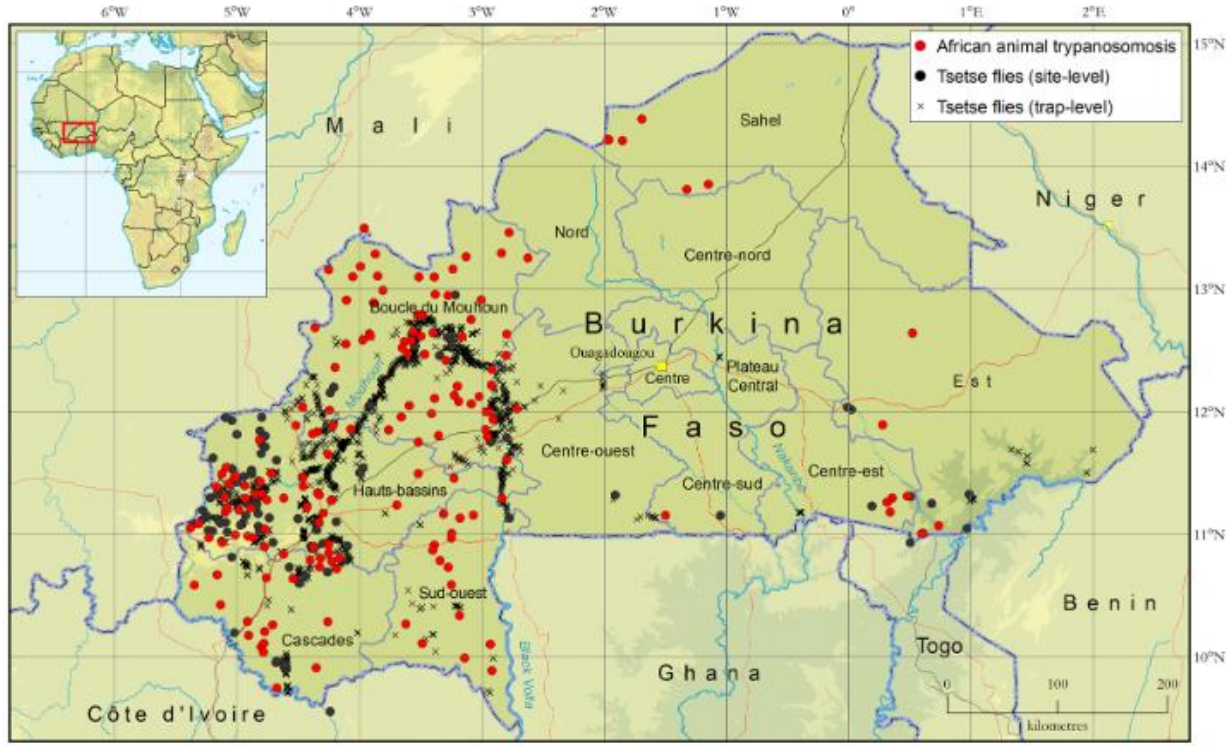
Current Tsetse and Trypanosomiasis (T&T) situation

- Tsetse infested area : ~ 45% Burkina



Courtin et al., 2010

- AAT infested area : almost all Burkina

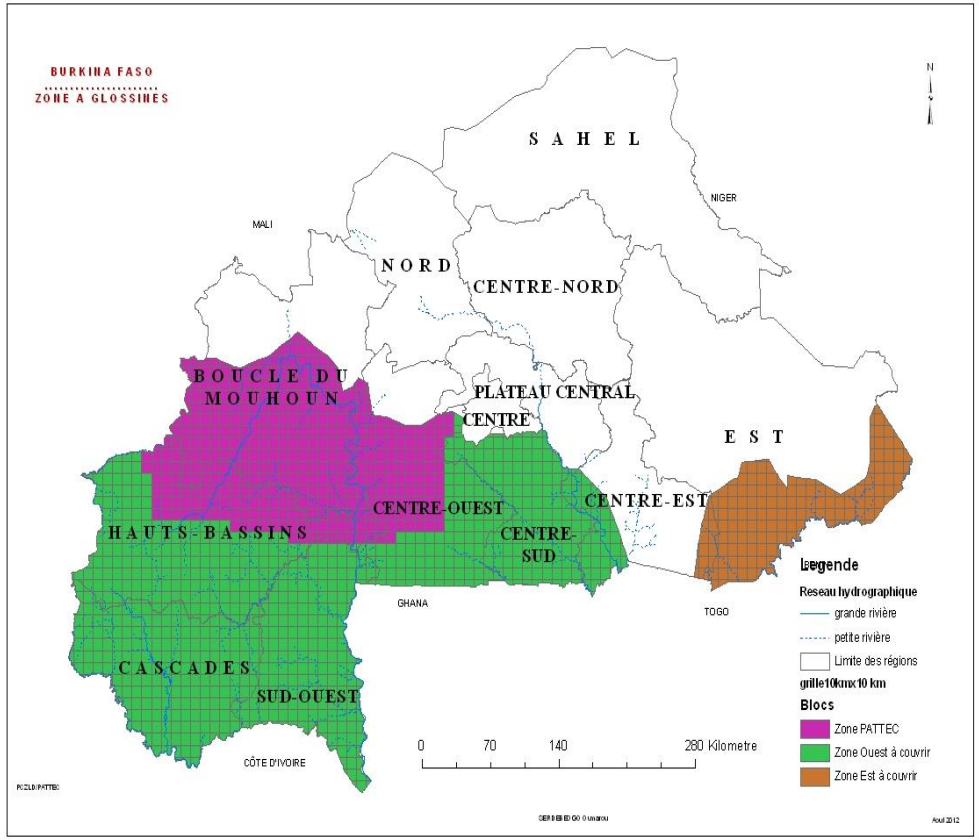


The occurrence of African animal trypanosomosis and tsetse flies (genus: *Glossina*) in Burkina Faso. Data collection period: 1990–2019

Percoma et al., 2022

Current Tsetse and Trypanosomiasis (T&T) situation

- Areas under control and elimination activities



PATTEC initiative (2006-2013)

Percoma et al. 2018

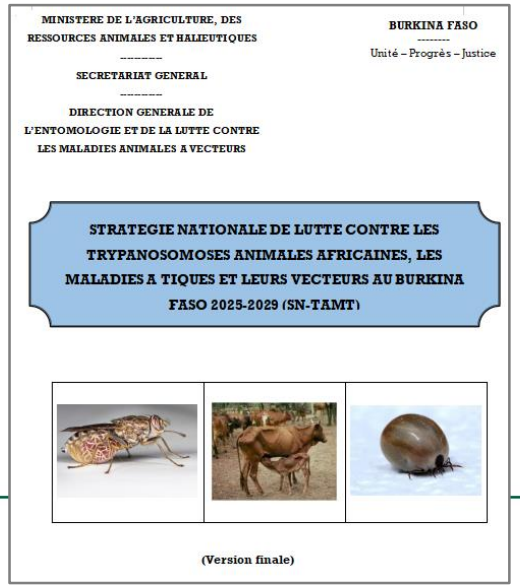
- ✓ **Tsetse control:** 95% reduction of tsetse densities over 40 000 km²
- ✓ **AAT prevalence underscored:** 90% (from 3.29 to 0.31)
- ✓ **Build a regional Tsetse insectarium (IBD)**

- ✓ **COMBAT activities:** densities remain low

Tsetse and trypanosomiasis control and elimination activities undertaken in 2023-2025

- Insectarium of Bobo-Dioulasso (IBD):
  - ✓ mass rearing of *G. p. gambiensis* to support Senegal eradication project
  - ✓ IBD is an IAEA Collaborating Centre (2021-2025) for the mass-rearing of sterile males and for supporting countries in implementing the SIT and is currently being renewed for 2026-2030
- Updating the ATLAS for tsetse and AAT with COMBAT: *Percoma's presentation*
- Mapping the PCP for AAT in Burkina: *Poster session*
- Developing a national strategy and action plan to control AAT, Ticks borne-diseases and its vectors, in 2024




MINISTERE DE L'AGRICULTURE, DES RESSOURCES ANIMALES ET HALIEUTIQUES

SECRETARIAT GENERAL

DIRECTION GENERALE DE L'ENTOMOLOGIE ET DE LA LUTTE CONTRE LES MALADIES ANIMALES A VECTEURS

BURKINA FASO

Unité – Progrès – Justice

STRATEGIE NATIONALE DE LUTTE CONTRE LES TRYPANOSOMOSES ANIMALES AFRICAINES, LES MALADIES A TIQUES ET LEURS VECTEURS AU BURKINA FASO 2025-2029 (SN-TAMT)

(Version finale)

Tsetse and trypanosomiasis control and elimination activities undertaken in 2023-2025

❖ Implementation of the national strategy

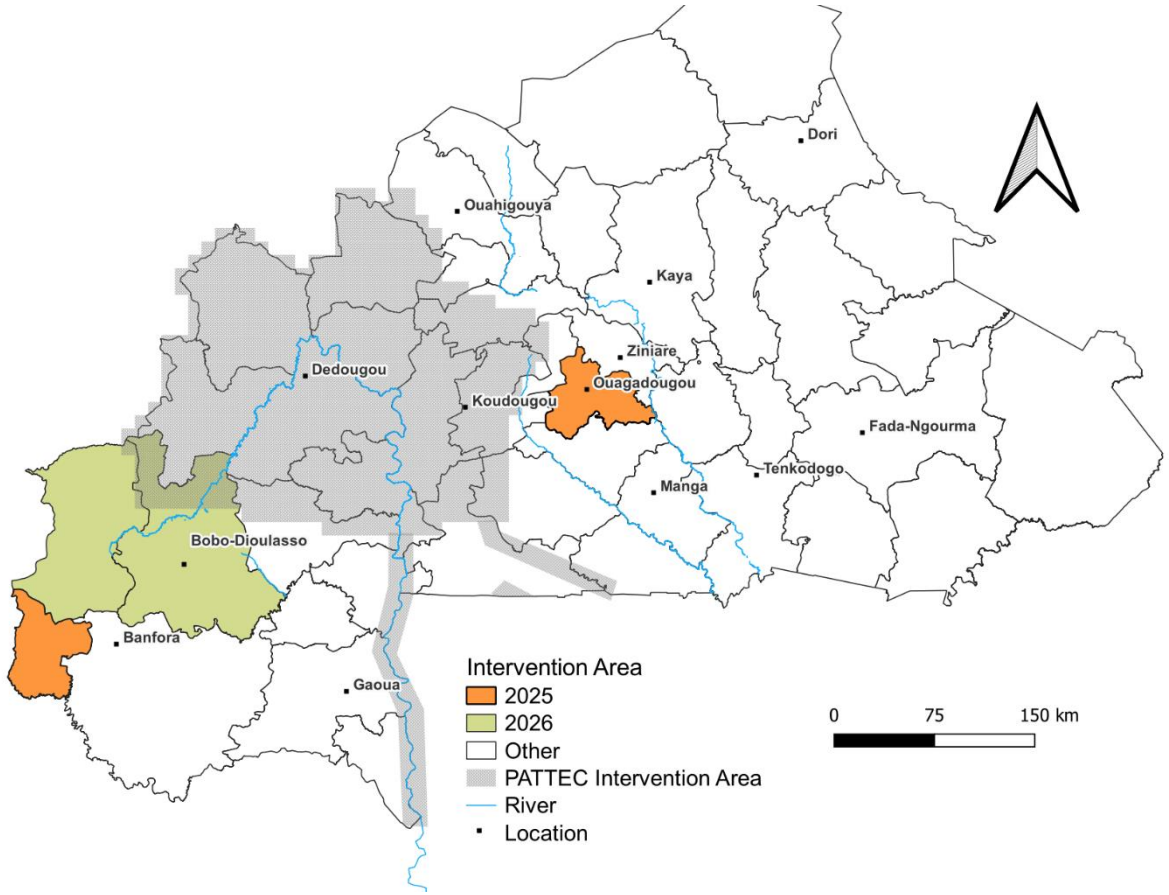
✓ **Mobilization of financial ressources**

Development of 2 proposal projects:

- AIEA (2026-2029), extra budget
- FAO national, TCP (2026-2028)

✓ **2025: Leraba and Kadiogo provinces:**

Government budget



❖ Implementation of the national strategy in the Leraba province

Leraba province: 8 rural municipalities

✓ Entomological survey

	March 2025		June 2025		
Nb trap	Nb flies	ADP Gpg	Nb trap	Nb flies	ADP Gpg
56	107	**1,0**	60	137	**1,1**

✓ Parasitological survey

March 2025			June 2025		
Nb cattle	Prevalence (%)		Nb cattle	Prevalence (%)	
	Tc	*Tv*		*Tc*	*Tv*
377	**8.5**	**1.1**	360	**3.1**	**0.3**

✓ Training of field technicians



✓ Beneficiary awareness



❖ Implementation of the national strategy in the Leraba province

Kadiogo province: FASO Kosam dairy farms, July – August 2025

	Entomological survey			Paragitological survey	
Locality	Nb trap	DAP Gpg	Meca vect	Sample	AAT prevalence (%)
Banakeledaga	8	0,1	0,8	-	-
Saaba	4	0,0	0,3	20	0,0
Loumbila	4	0,0	0,4	20	5,0
Zagtouli	8	0,0	0,1	40	2,5
Koubri	2	0,0	0,0	41	2,4
Komsilga	7	0,0	0,0	30	0,0
Samendeni	8	0,0	0,8	-	-
Total	**41**	**0,01**	**0,4**	**151**	**2,0**

Tsetse and trypanosomiasis control and elimination activities undertaken in 2023-2025

❖ Technical support to the Minister of Human Health

- ✓ Development of the dossier for eliminating HAT gambiense as a public health problem in Burkina Faso
- ✓ Development of the dossier for verification of the cessation of transmission of HAT in Burkina Faso



Collaborations and partnerships for T&T control and elimination activities undertaken in 2023-2025

- Partners/stakeholders and activities
  - ✓ IAEA: training / control and tsetse rearing material
  - ✓ Project COMBAT: field data collection and strategy development
  - ✓ FAO: technical support on Atlas and PCP mapping development
  - ✓ CIRDES: technical support
  - ✓ Decentralized technical services: support for parasitological and entomological surveys
  - ✓ Beneficiaries: for deploying screens and spraying insecticide
- Crossborder/regional activities
  - ✓ Support of Senegal eradication project in sterile males
  - ✓ Joint FAO/IAEA – RAF5087: regional capacity building in terms of human and material resources

Challenges and how they are being resolved

❖ Constraints for field activities due to insecurity

✓ Adapatation of protocols and dispositifs:

- Training of technicians in inaccessible areas and provision of minimum equipment for collecting parasitological and entomological data
- Deployment of impregnated screens by beneficiaries

❖ Insufficient financial resources

✓ Appeal to the Minister who increased the allocated budget

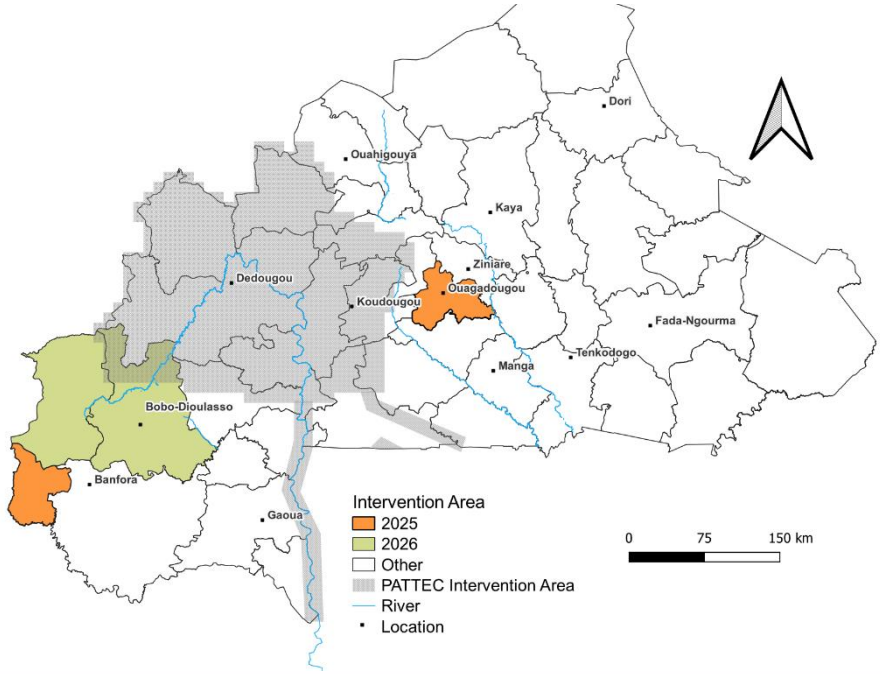
✓ Integration of T&T into the overall animal health program, which provides support :

- From field technicians for data collection and implementation
- From existing projects, e.g., in developing strategy and acquiring control equipment

Way forward and planned T&T control and elimination activities for 2025-2027

- Finalization and publication of the update ATLAS and PCP mapping for AAT
- Domesticate new tsetse species (*Gt*: AIEA-CIRDES) and mass-rear sterile males to support West Africa campaigns
- Mobilization of financial resources
- Continued implementation of the national strategy

Province	2025	2026	2027
Leraba + Kadiogo			
Kenedegou+ Houet			



Thank you | Merci | شكراً لك | Obrigado | Gracias | Asante

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