



Assessing ecological suitability for the spread of  
*Rhipicephalus (Boophilus) microplus* in  
West Africa

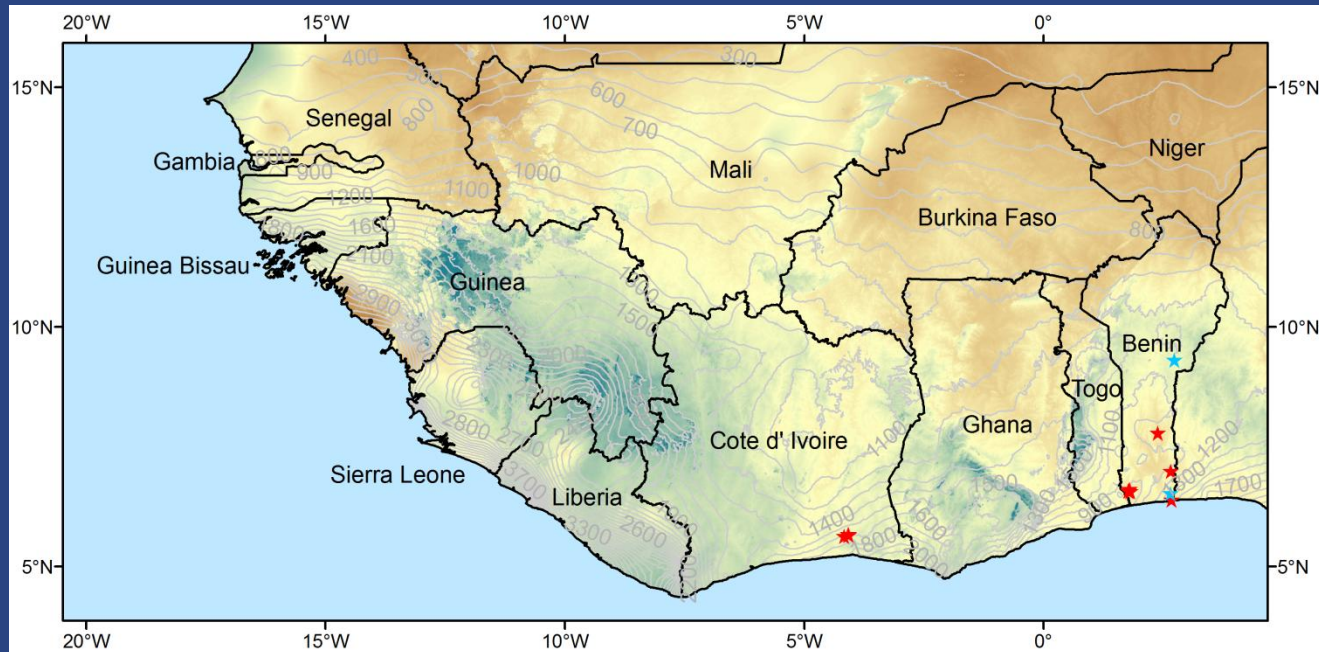
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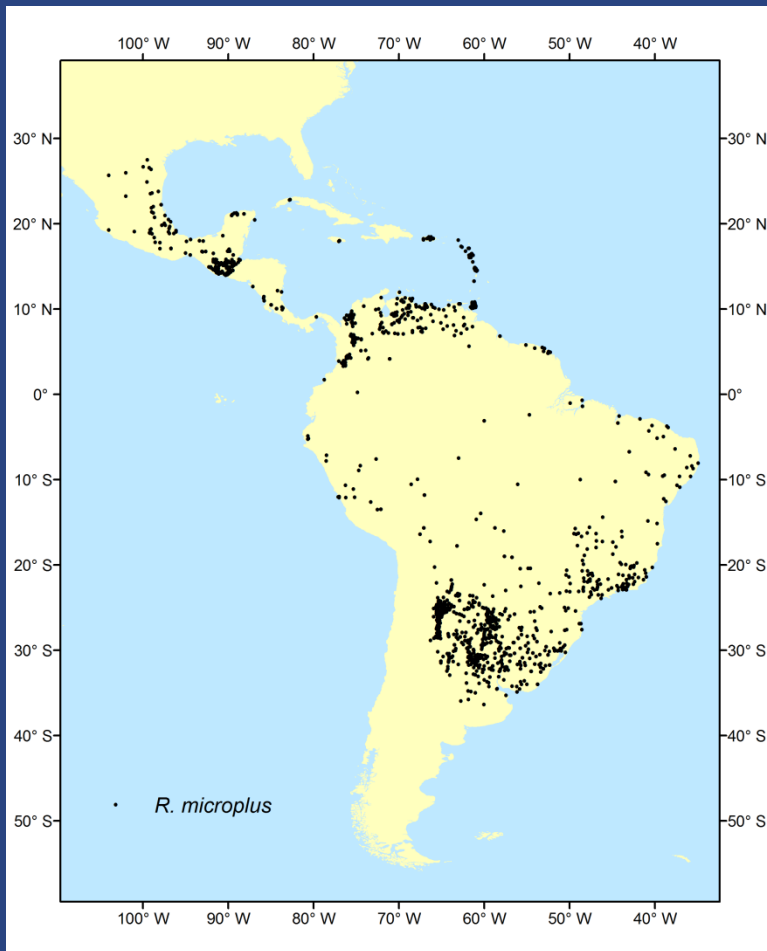


# The problem

- New invasive tick in West-Africa
- *Rhipicephalus microplus*
- Cattle tick ; vector of redwater



# Spread of *R. microplus*



- From South America
- Cattle movements
  - Import
  - Transhumance

# Great expectations

- Tick collection in Benin
  - On cattle
  - On vegetation
- Use of remote sensing imagery in modelling
  - Climate
    - Temperature
    - Humidity
  - Vegetation
    - MODIS
    - ...



**THANK YOU FOR LISTENING**