

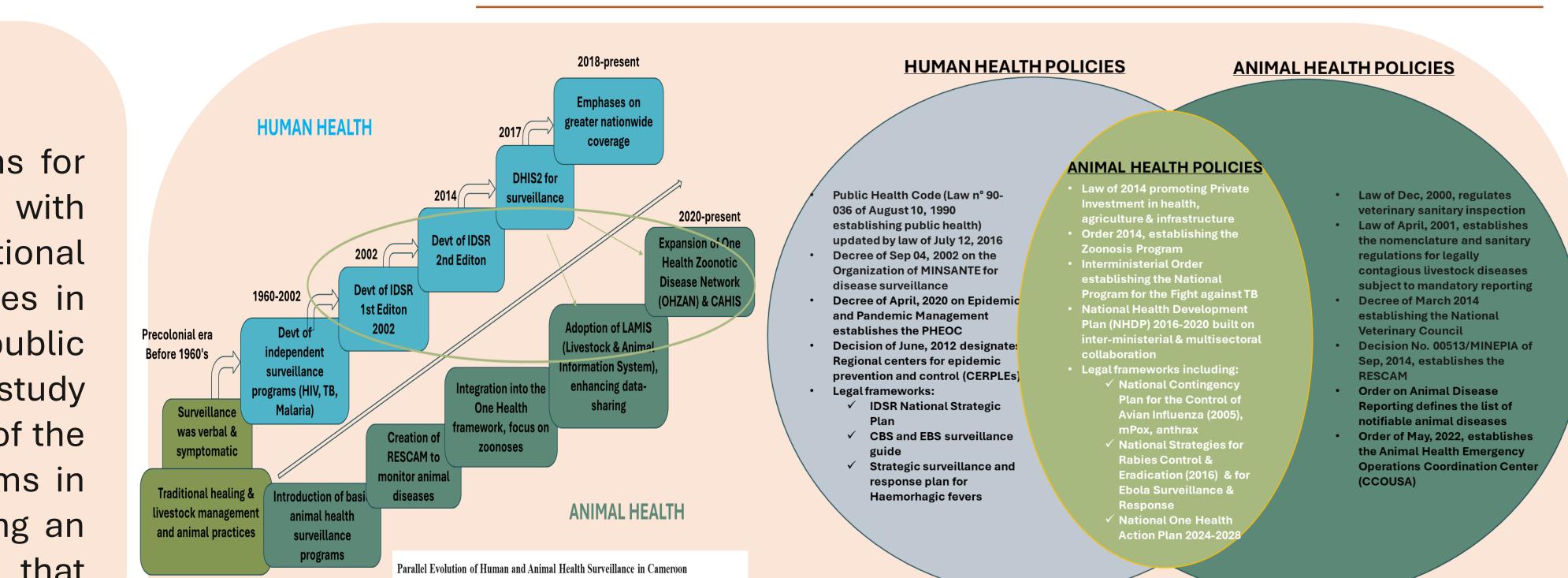
**Comparative assessment of the human and animal** health surveillance systems in Cameroon: **Opportunities for an integrated one health surveillance** platform

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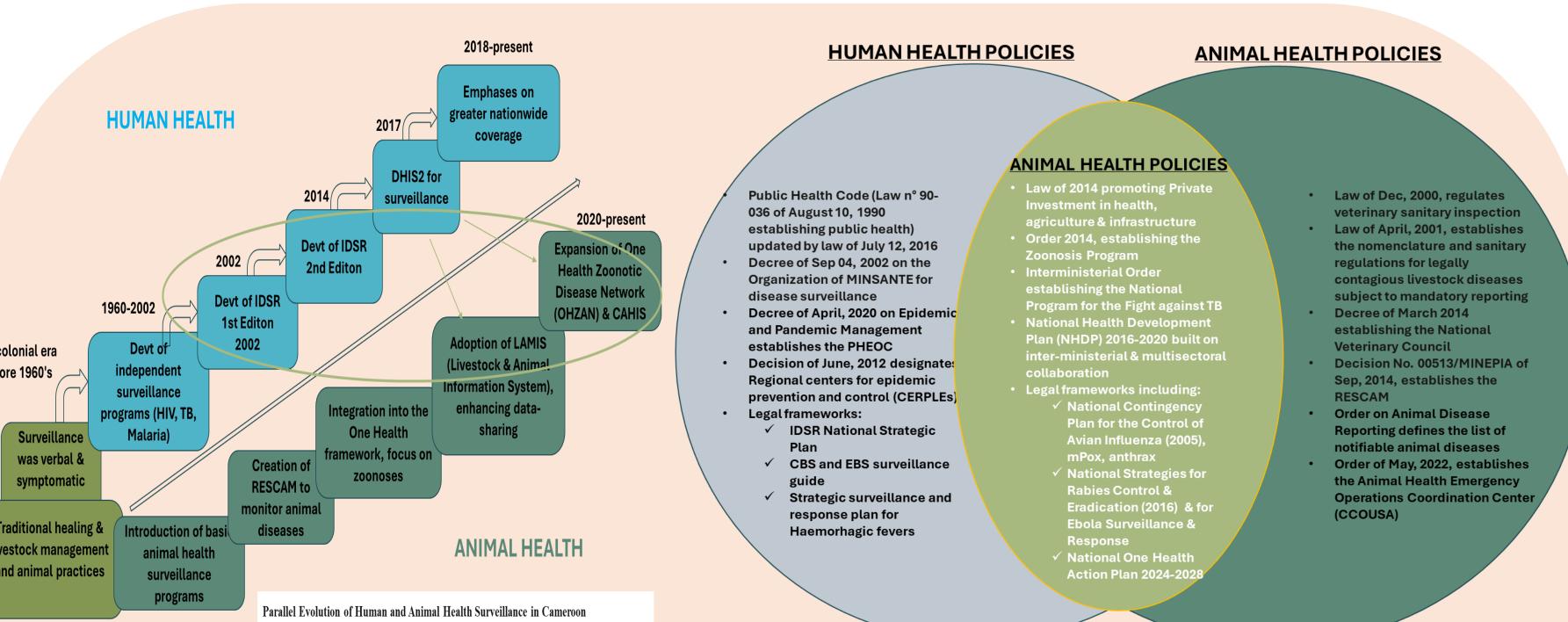
Services (MTaPS) Program

Context



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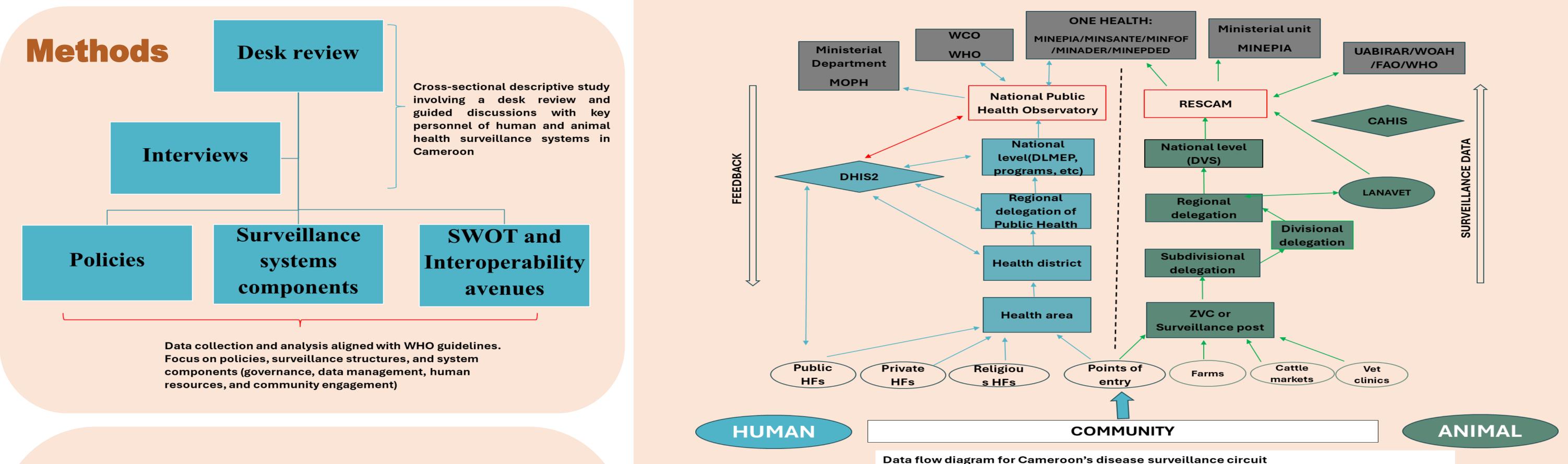
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In Cameroon, the health surveillance systems for humans and animals operate separately, with distinct infrastructure, resources, and operational frameworks. This segregation poses challenges in effectively detecting and responding to public health threats, especially zoonoses. This study aimed to conduct a comparative assessment of the human and animal health surveillance systems in Cameroon and identify avenues for developing an integrated One Health surveillance platform that leverages the strengths of both systems.

Human surveillance system is more advanced than animal surv. system by at least 7 years

• Several laws, regulations, and legal frameworks support surv. in human and animal health.

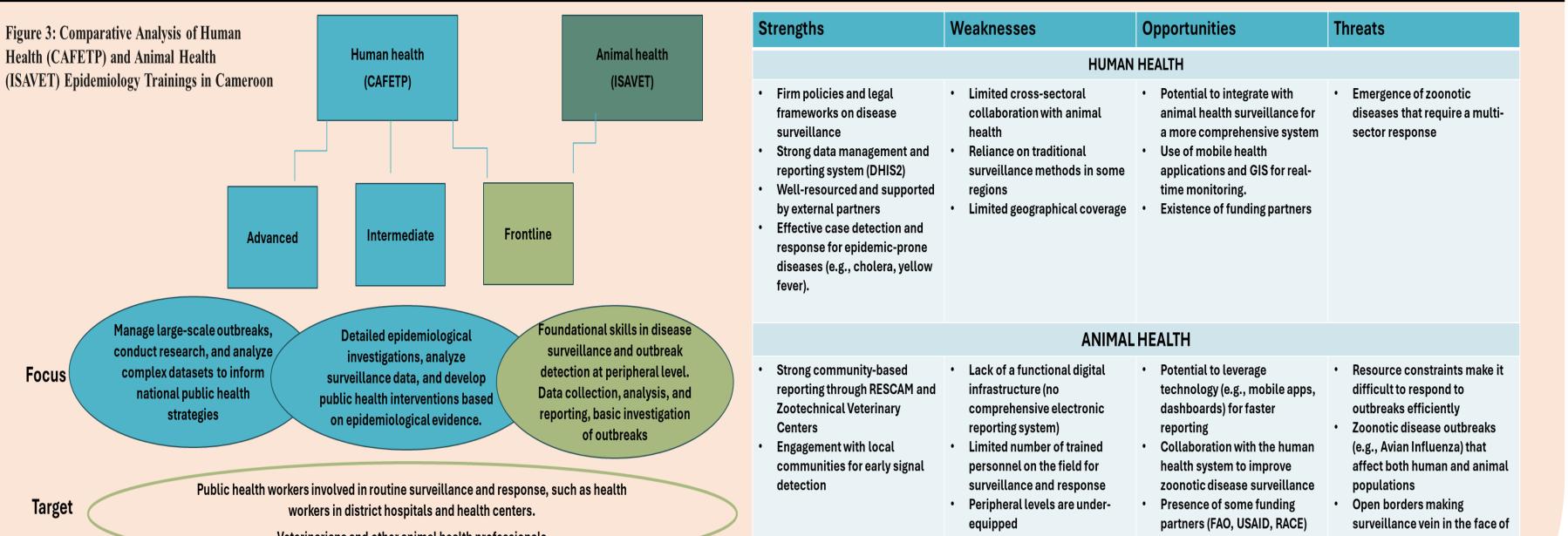


## Results

- Existence of firm legal backing for surv. in both systems.
- There is a functional One Health platform but the legal framework is pending signature.
- Human surveillance system is more advanced than animal surv. system (animal production is prioritized compared to animal disease surv.)
- Both system work in silos leading to unoptimized infrastructure, resources and unshared data.
- Avenues for interoperability include:  $\bullet$ 
  - Conducting crossed capacity building and training multi-skilled community agents ✓ Interconnecting data management platforms (DHIS2+CAHIS) Establishing data sharing protocols at ministerial level

Interoperability can be enhanced via training of multi-skilled community agents, organization of intersectoral technical and data validation meetings for zoonoses,

interconnecting digital and data management tools for accessibility and data exchange



	Veterinarians and other animal health professionals			<ul> <li>Animal laboratory network is under-represented at the</li> </ul>		epidemics in countries	epidemics in neighboring countries
pact	Guided decision-making & resource allocation	Refined surveillance data, better understanding of disease trends	Improved timeliness accuracy of disease reporting		<ul><li>peripheral level</li><li>Underfunding</li></ul>		
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Cross training of field epidemiologists at all levels reduces costs in terms of human, financial and infrastructural resources

## **Conclusions and recommendations**

The study reveals gaps in the parallel functioning of the human & animal surveillance systems and unveils significant disparities between both systems, emphasizing the need for an integrated One Health surv. platform. By operationalizing the One Health legal framework, updating intersectoral collaboration policies, & investing in digital tools & cross-training, Cameroon can improve timely detection & response to public health threats, especially zoonoses, enhancing overall public health outcomes.



Organización Organisation mondiale Mundial de la santé de Sanidad Animal animale







