Rabies Epidemiological Bulletin (REB): What it is and how it can help

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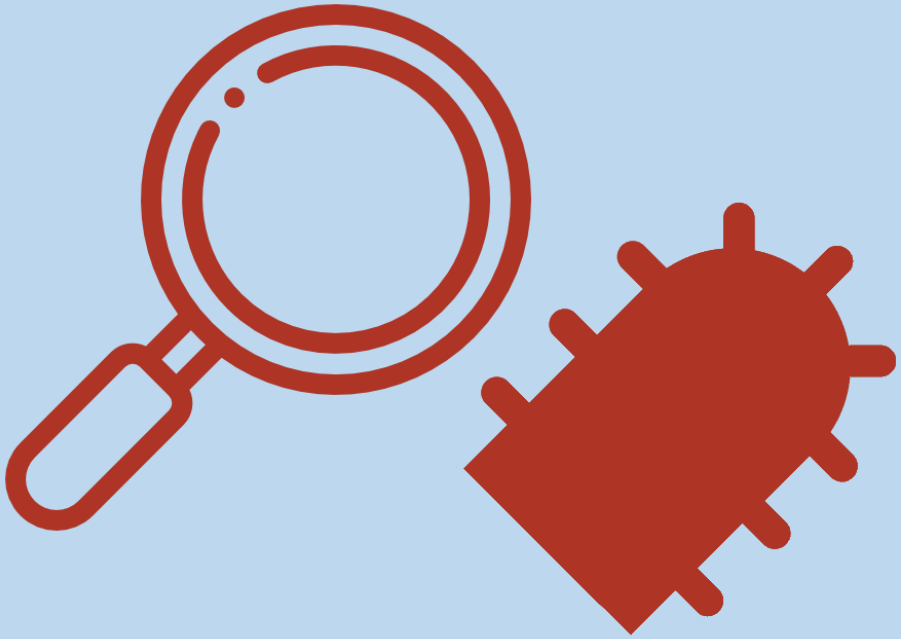
MERACON: Returning to rabies elimination

26 February 2021

Global Alliance for Rabies Control
www.rabiesalliance.org

Rabies Surveillance

- **Surveillance is critical to:**
  - **Understand** disease dynamics;
  - Track and **Monitor** progress;
  - **Forecast** vaccine requirements;
  - **Support** the case for elimination (advocacy, political will, international interest);
  - **Demonstrate** progress and success;
  - Gather **Evidence** for declaration of freedom.



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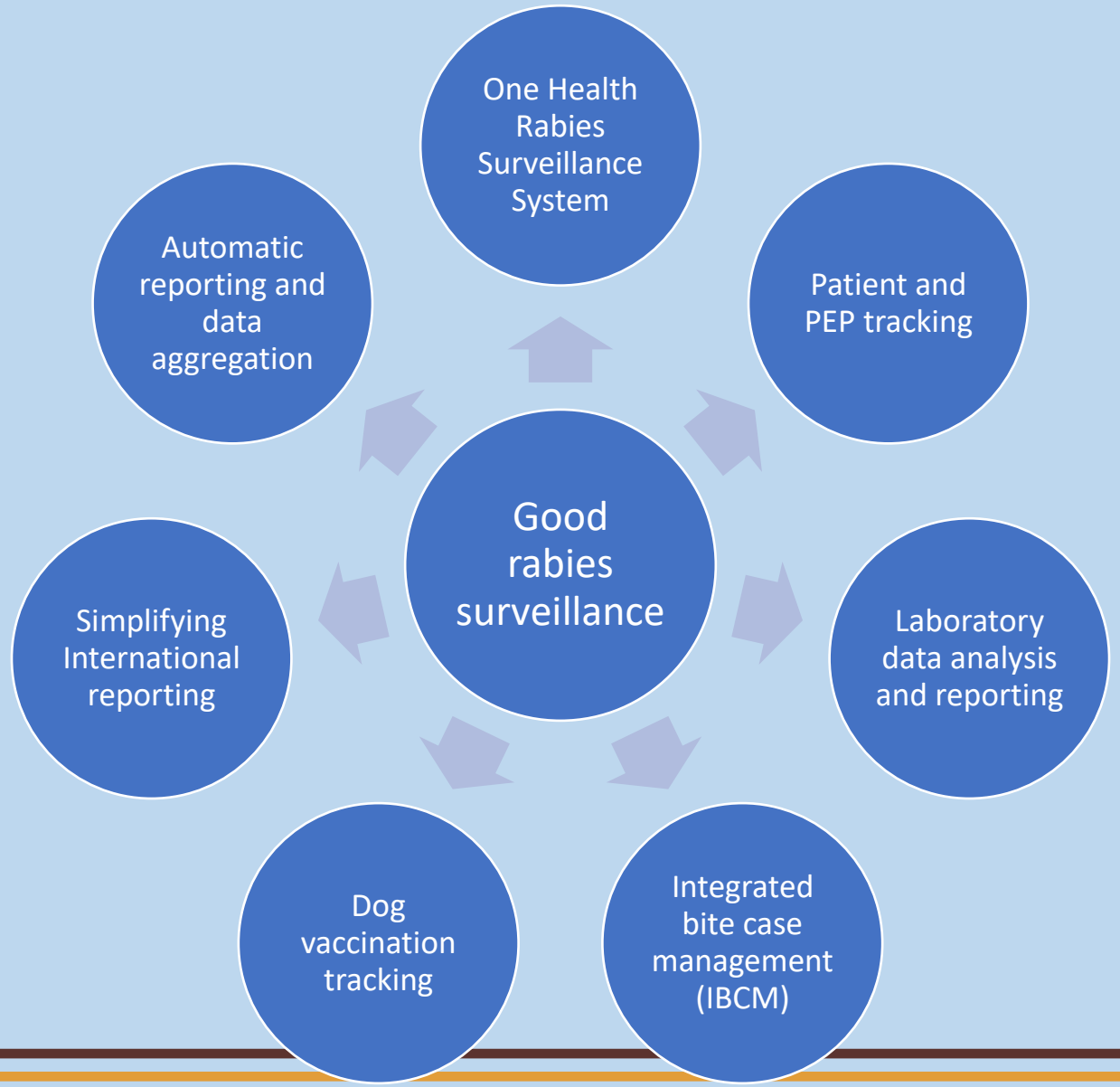
Data collection and analysis in the SARE



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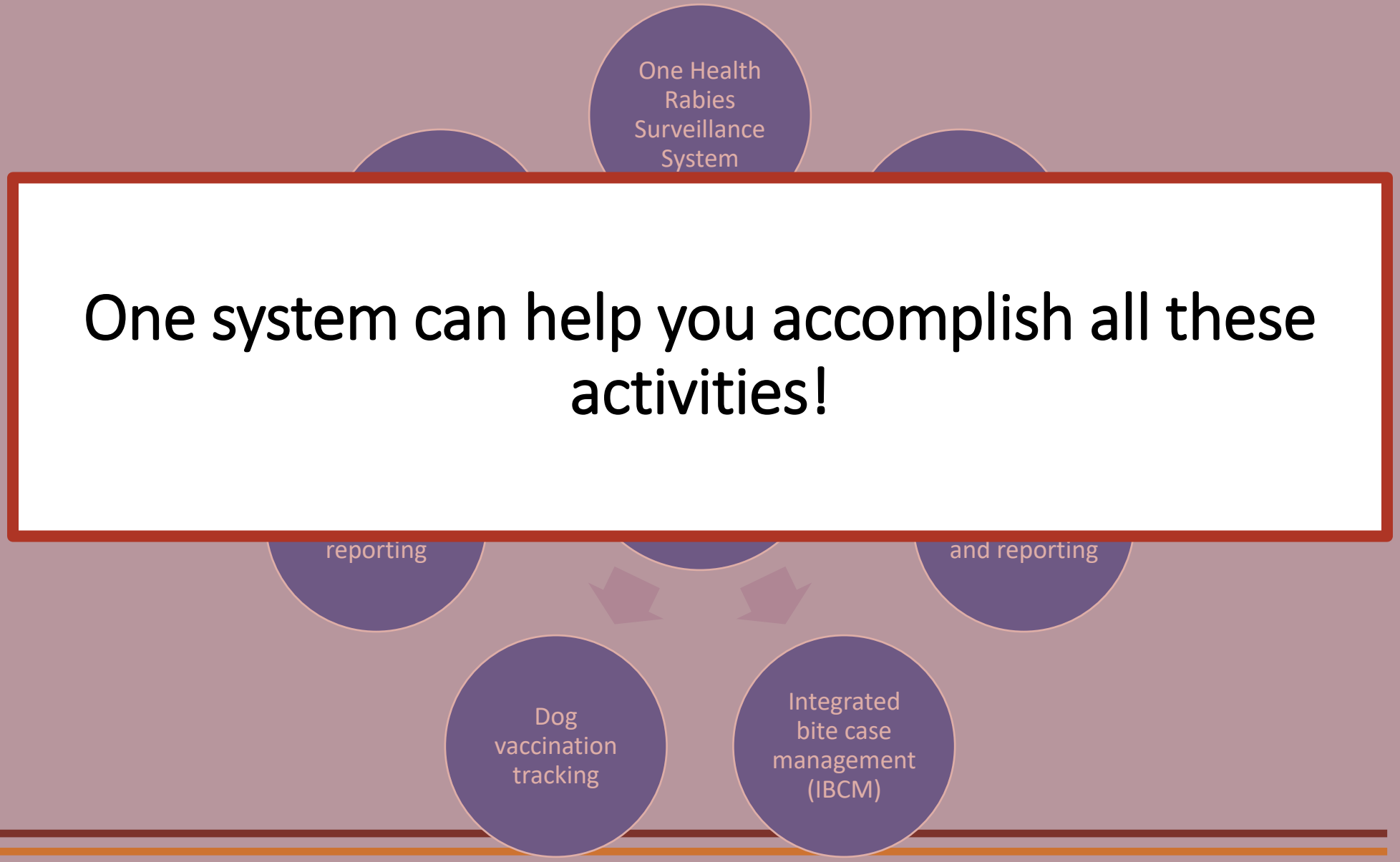
Data collection and analysis in the SARE



One system can help you accomplish all these activities!

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Rabies Epidemiological Bulletin

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What is the Rabies Epidemiological Bulletin (REB)

- **Web-based rabies surveillance system.**

- **Designed for countries to help improve their:**
  - **surveillance,**
  - **data collection, and**
  - **analysis.**

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What is the Rabies Epidemiological Bulletin (REB)

- **Government owned and driven**
- **Based on the DHIS2 software**
- **Surveillance on all levels**
  - **Local (communities, individual clinics)**
  - **National**
  - **International**

dhis2

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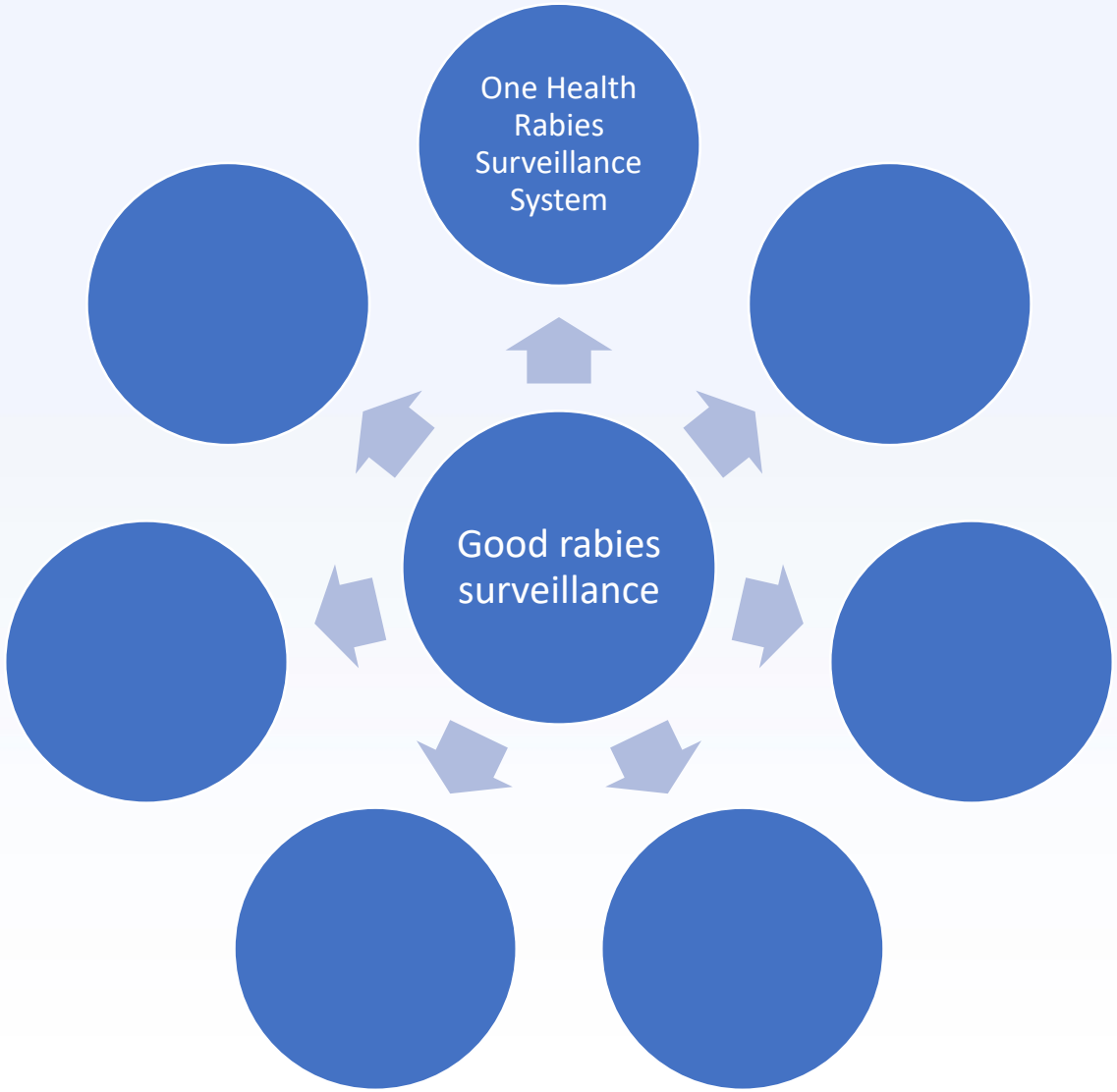
One Health Rabies Surveillance System



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The Rabies Epidemiological Bulletin

- ✓ **Comprehensive rabies surveillance system.**
- ✓ **Integrated, intersectoral data sharing.**
- ✓ **Facilitates accurate data reporting.**
- ✓ **Dedicated, One Health, rabies surveillance system:**
  - ✓ Data collection, analysis and reporting
  - ✓ Feedback mechanisms
  - ✓ Animal and Human rabies surveillance

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Advantages of the Rabies Epidemiological Bulletin

Automatically generates:

- **Graphs**
- **Maps**
- **Pivot tables**

Tracks:

- **Vaccinations**
- **Rabies cases**
- **Human bite cases**

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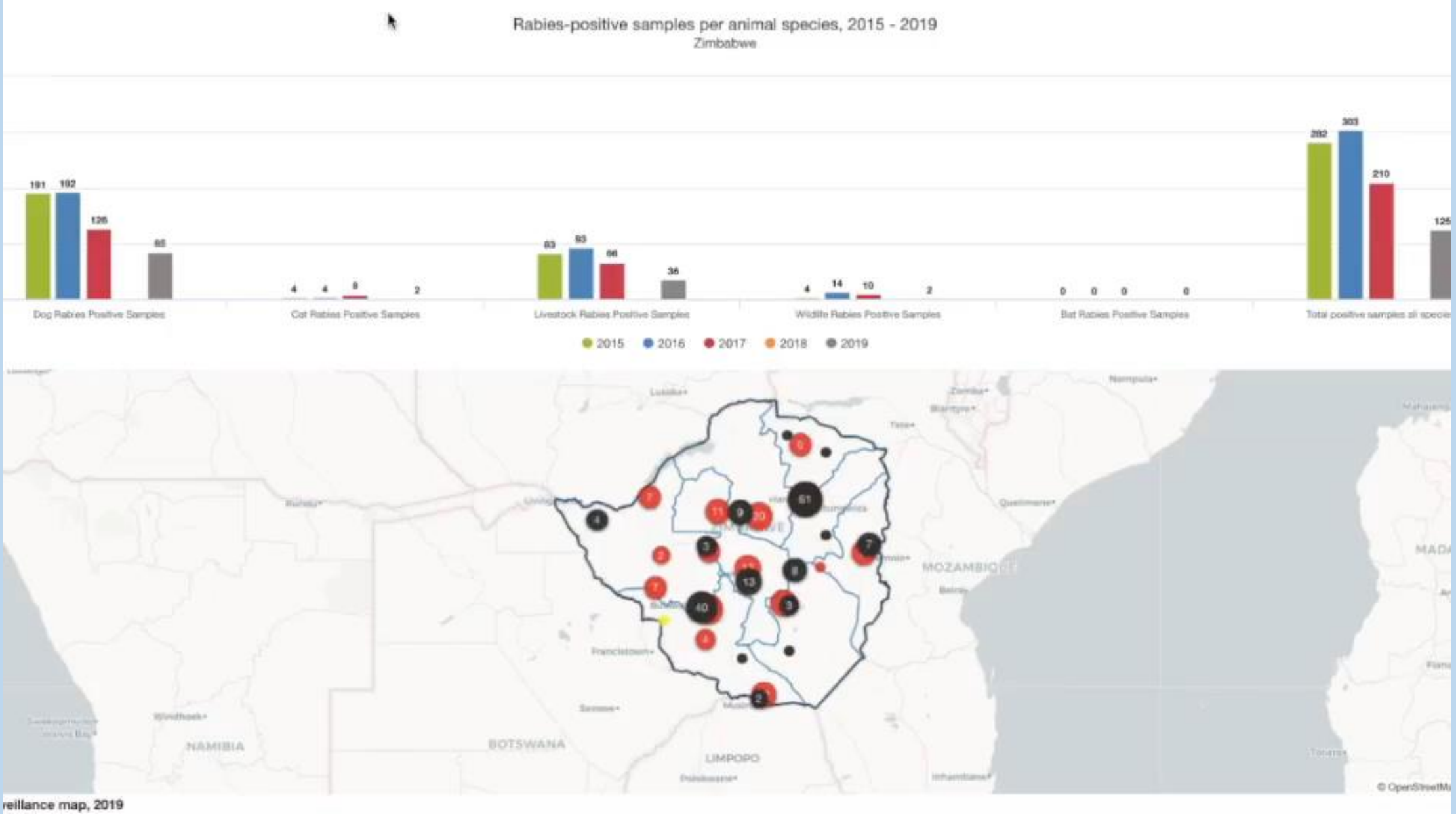

reillance map, 2019

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Advantages of the Rabies Epidemiological Bulletin

Compatible with:

- **Computers**
- **Mobile Phone App**
- **Custom vaccination tracking device**

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Advantages of the Rabies Epidemiological Bulletin

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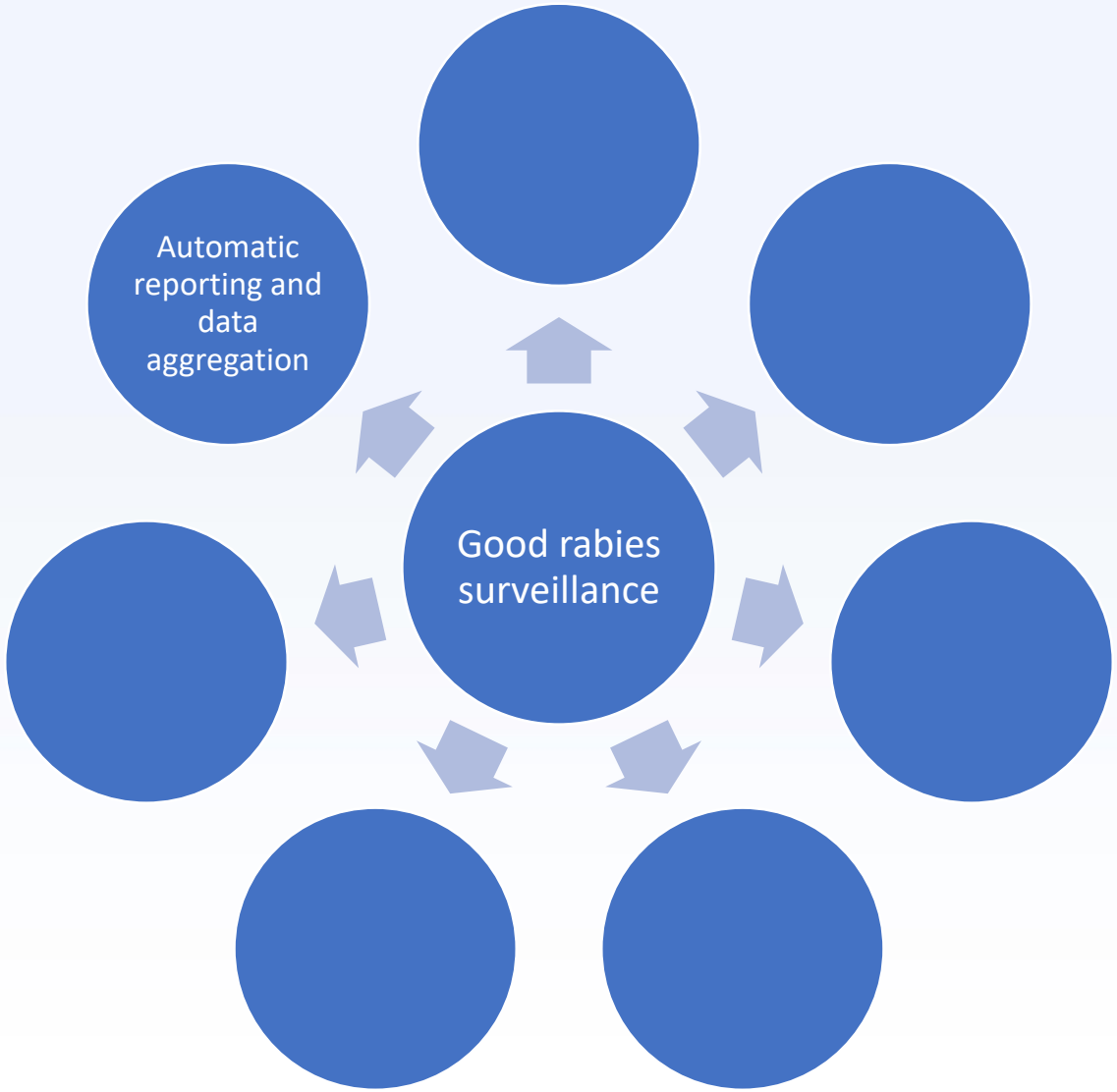
Automatic reporting and data aggregation



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Reporting of data to the National level

- Often, data is not reported from the local-level to national.
- Therefore, stakeholders remain unaware of the burden.
- As a result, rabies is not considered a problem or priority in the country.

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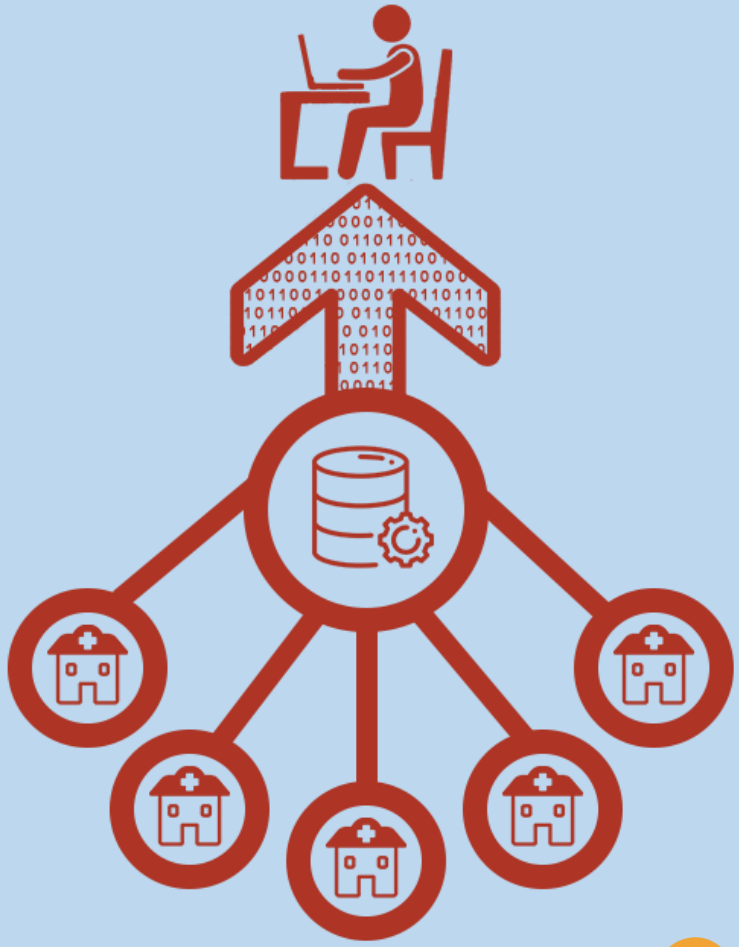
Reporting of data to the National level

- **The REB helps with data aggregation**
  - **Automatically reports data from local to national level.**

- **Data visualised and analyzed automatically for any administrative level.**



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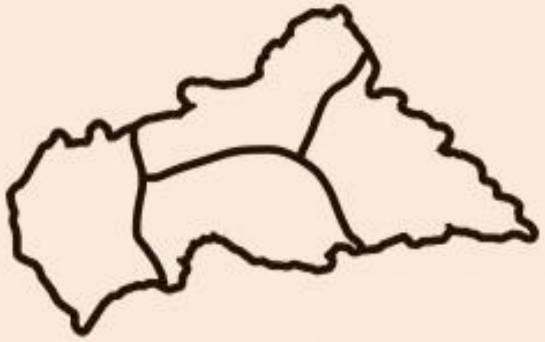
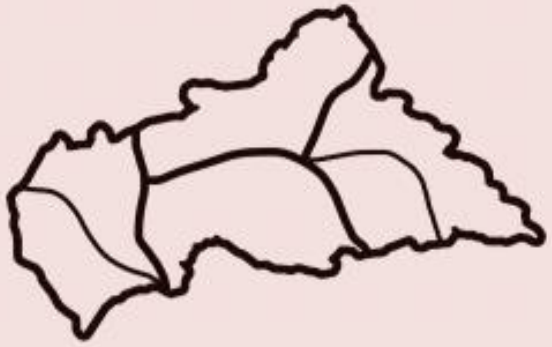
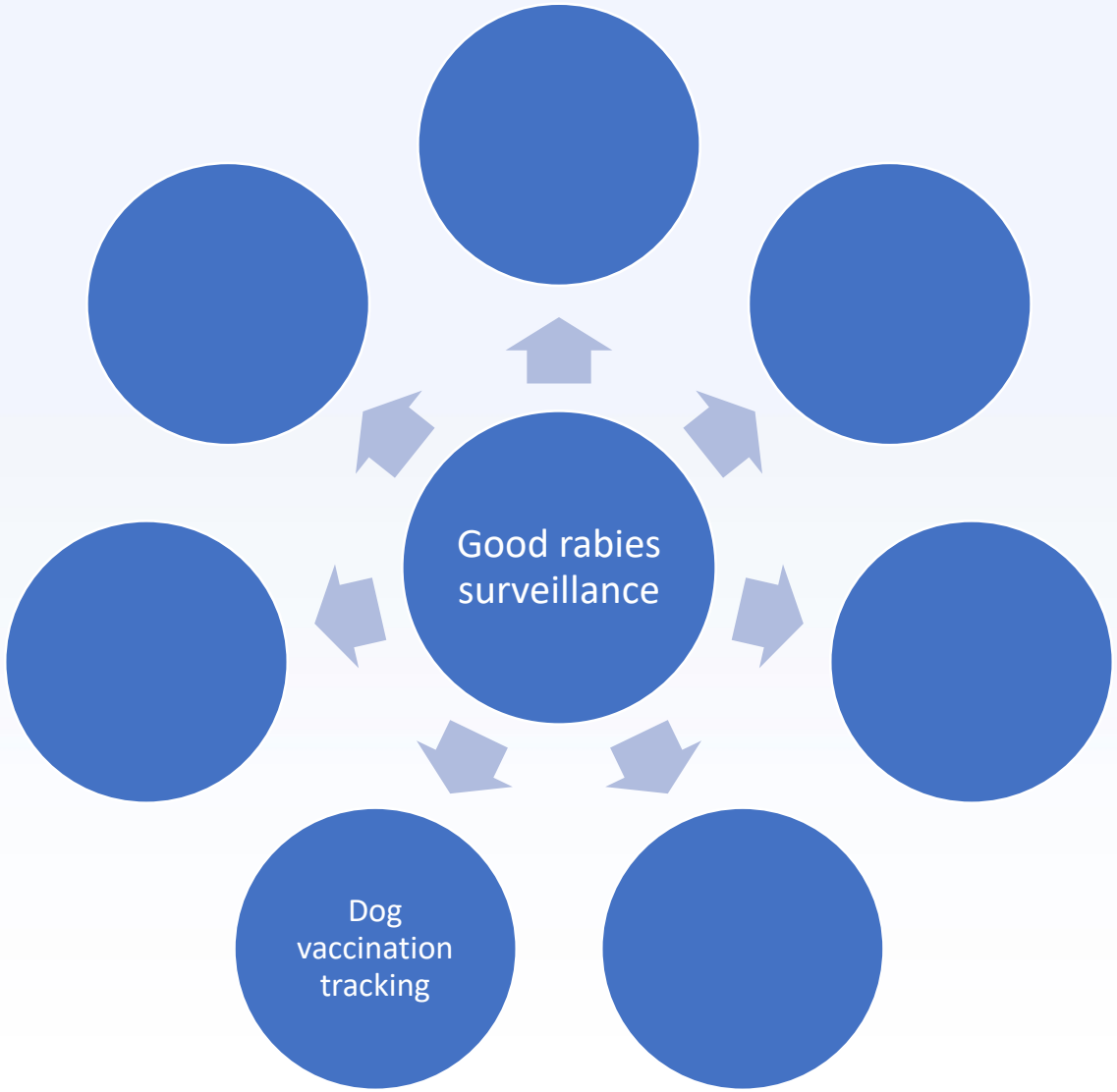




Dog vaccination tracking



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Rabies Vaccination Tracker

- **Individual tracking of every vaccinated animal.**
- **Maps automatically created and updated.**
- **Real-time campaign monitoring.**
- **Determine vaccination coverage.**
- **Identify gaps in vaccination.**

GARC Data Logger

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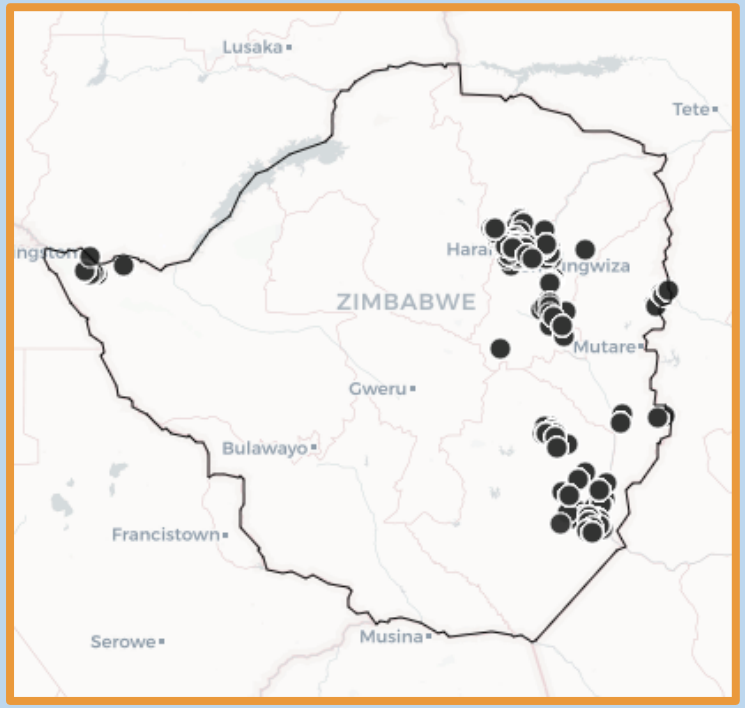
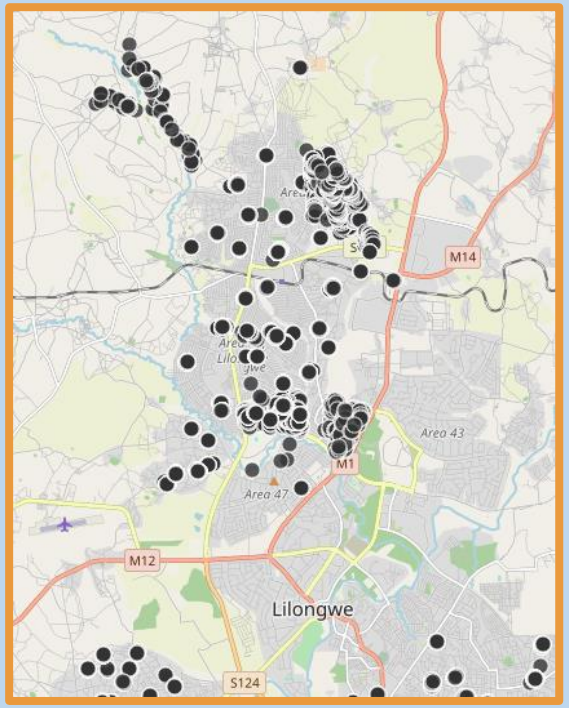
Rabies Vaccination Tracker

Some examples from Africa

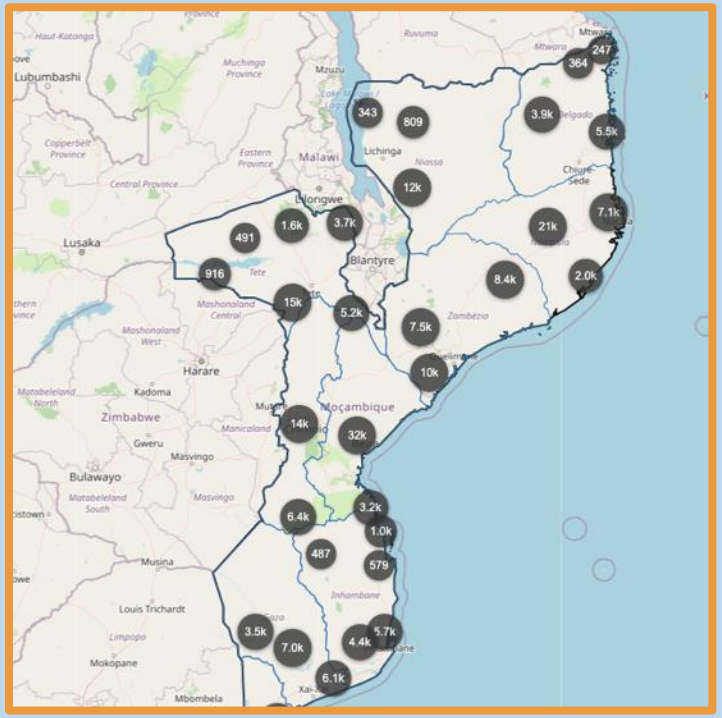


Zimbabwe



Malawi

Zanzibar



Mozambique

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Rabies Vaccination Tracker

Since 2018, more than 350,000 vaccinated animals have been tracked using the REB.

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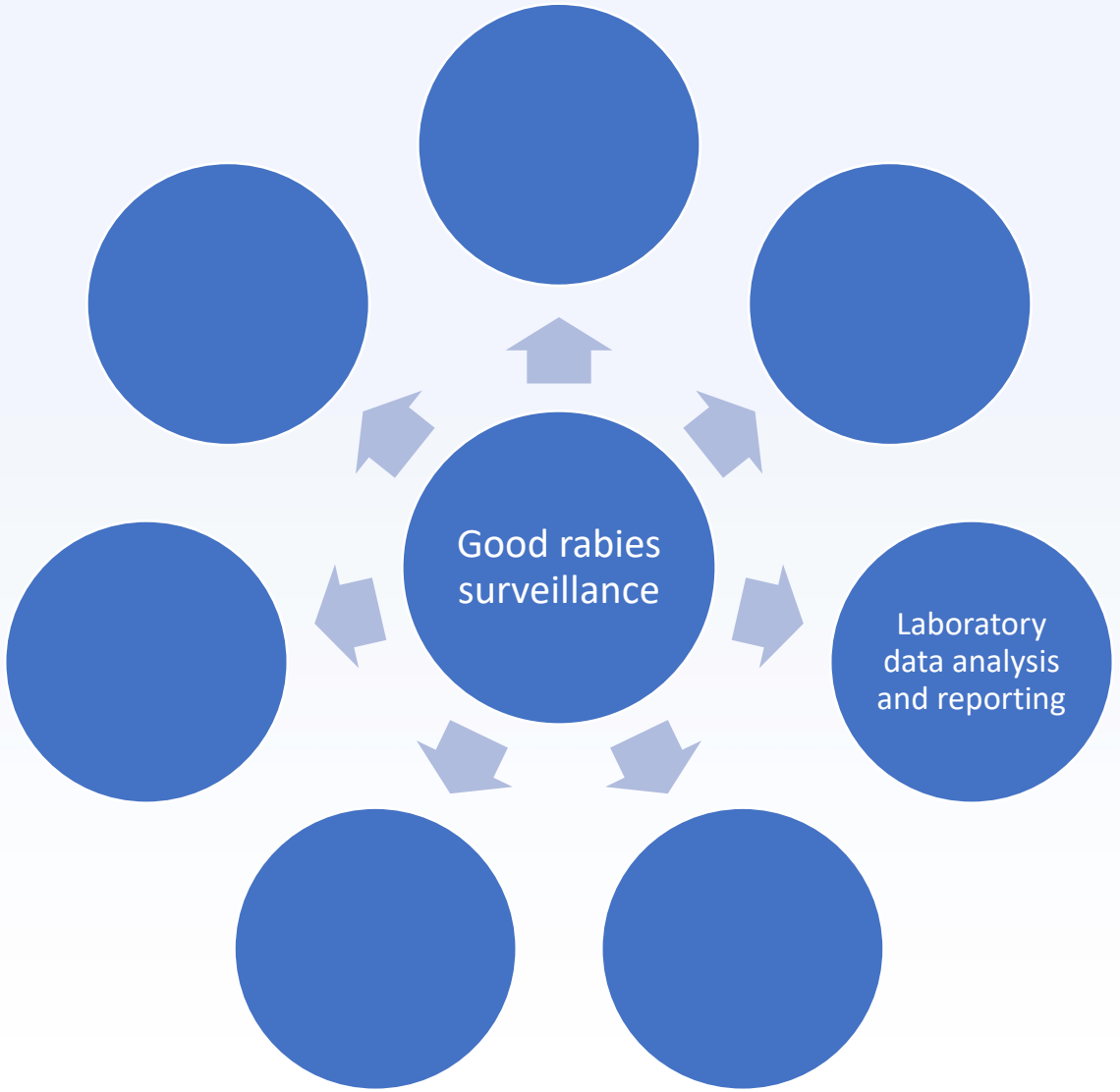
Laboratory data analysis and reporting



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Rabies Case Surveillance

- ✓ **Facilitates mapping and analysis of all field and/or laboratory-diagnosed cases.**
- ✓ **Identifies rabies hotspots.**
- ✓ **Accurate record-keeping and tracking.**
- ✓ **All data stored on the REB and belongs to the government.**

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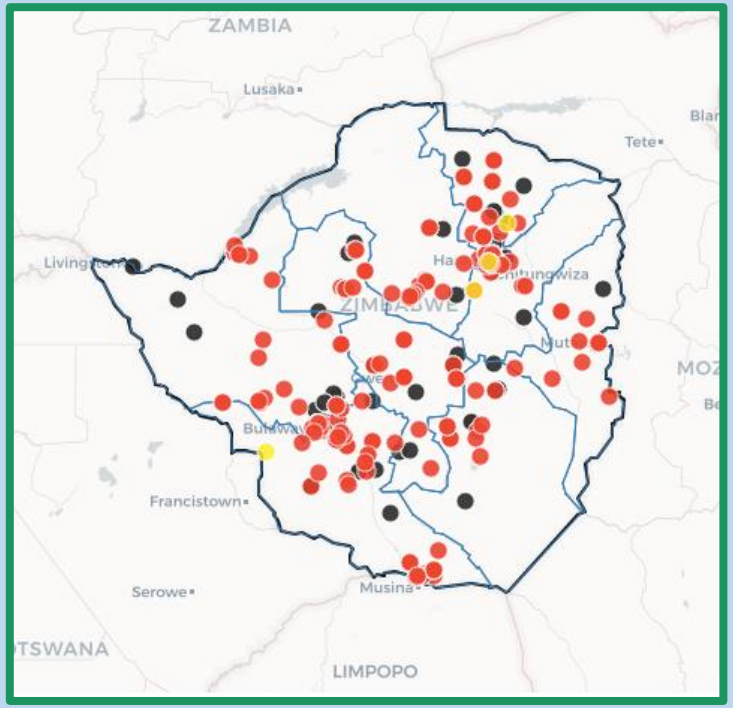
Rabies Case Surveillance

Some examples from Africa



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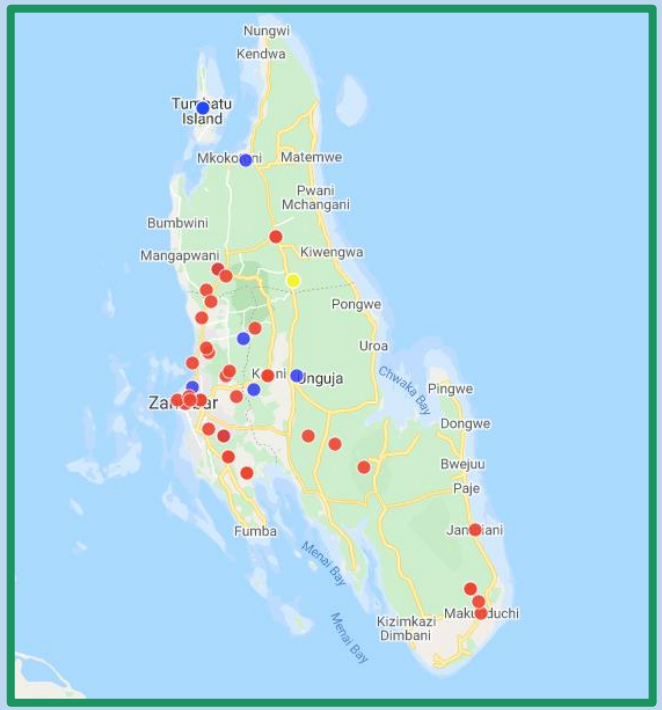
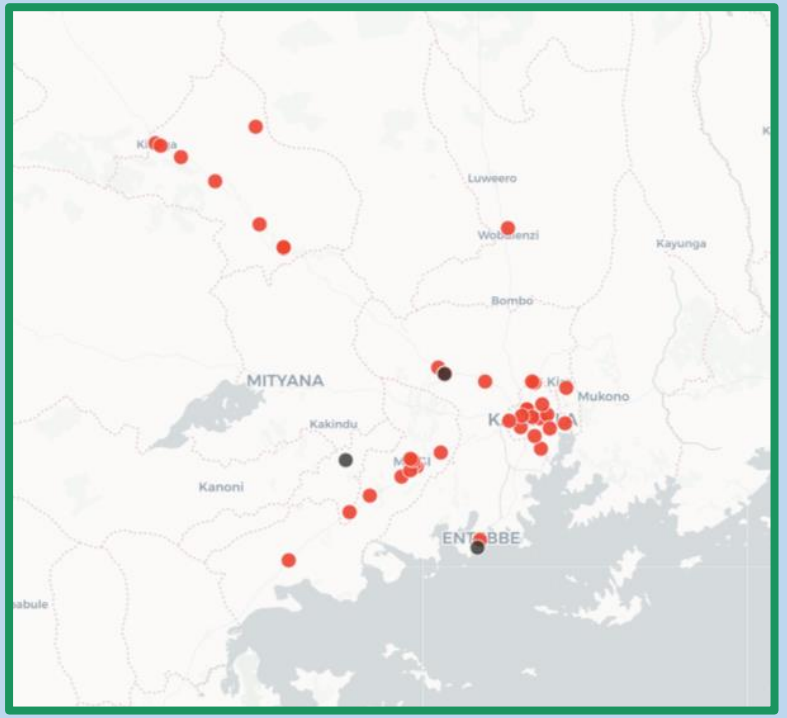


Zanzibar



Uganda

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The GARC App:
Bringing the REB to your phone

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GARC App

- **GARC Mobile phone app available**
- **Brings the REB to your smartphone.**
- **Access anywhere, any time.**
  - ✓Track dog vaccinations
  - ✓Track bite victims
  - ✓IBCM in your hand
  - ✓Laboratory reporting
- **Can be used offline**

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REB: Ready to implement

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REB: Ready to implement

- **The Rabies Epidemiological Bulletin is ready to implement in your country.**
- **You can choose to begin with any aspect of the system.**
- **No obligation to use all features.**
- **Contact me if you are interested in any other features.**

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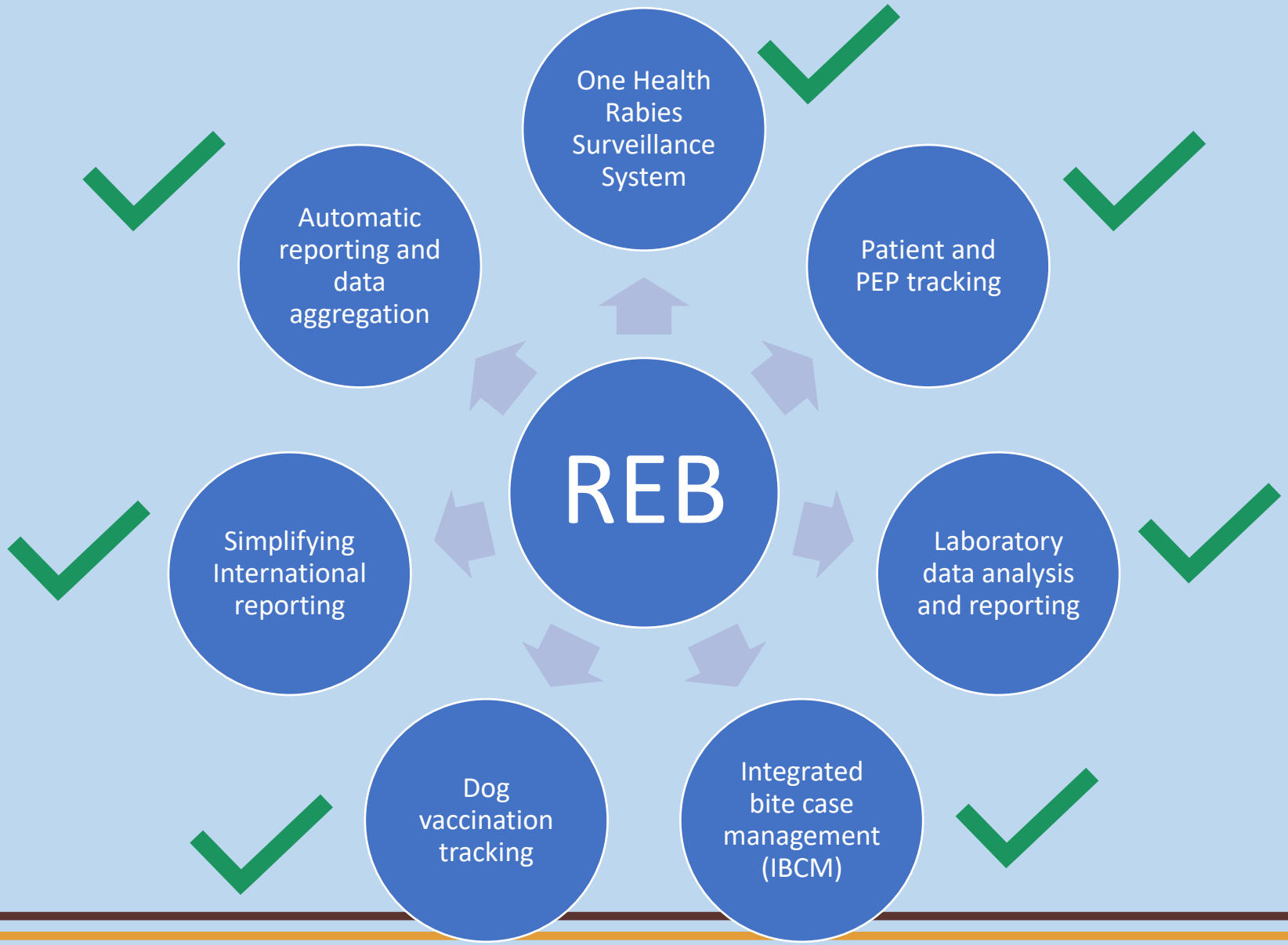
REB: Ready to implement



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Conclusion

- **Rabies elimination is a complex task.**
- **There is no need to complicate things further.**
- **There are tools available to make your job easier**

- **The Rabies Epidemiological Bulletin (REB) can address all your surveillance, data collection and reporting needs.**
  - **Everything from community to national data collection and reporting**

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Thank you

- **More information on the REB and supporting tools:**
  - **GARC's Rabies Epidemiological Bulletin**
    https://rabiesalliance.org/capacity-building/reb
  - **GARC Data Logger**
    https://rabiesalliance.org/capacity-building/gdl
- **Email us to discuss your needs: reb@rabiesalliance.org**

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