Use of SMART to record wildlife health information in protected areas around the world

1. **1. Please enter all the name(s) of the protected area(s) that apply.**   *

    If there is more than one protected area(s) name(s), please separate them by
    hitting enter in the answer space below

    _____

    _____

    _____

    _____

    Please read the six statements and mark
    how you feel about them (from "**strongly disagree**" to "**strongly
    agree**").

2.	**2. Wildlife health, including infectious and non-infectious diseases, is important to achieve the conservation goals of the protected areas where I work**	*

Mark only one oval.

- Strongly disagree
- Disagree
- Somewhat Disagree
- Neutral
- Agree
- Strongly agree

3.	**3. Pathogens carried by wildlife inhabiting the protected area I work in can affect livestock health**	*

Mark only one oval.

- Strongly disagree
- Disagree
- Somewhat Disagree
- Neutral
- Agree
- Strongly agree

4.   **4. Pathogens carried by wildlife inhabiting the protected area I work in can affect public health**   *

Mark only one oval.

- ⬭ Strongly disagree
- ⬭ Disagree
- ⬭ Somewhat Disagree
- ⬭ Neutral
- ⬭ Agree
- ⬭ Strongly agree

5.   **5. Human or livestock pathogens can affect wildlife populations inhabiting the protected area I work in**   *

Mark only one oval.

- ⬭ Strongly disagree
- ⬭ Disagree
- ⬭ Somewhat Disagree
- ⬭ Neutral
- ⬭ Agree
- ⬭ Strongly agree

6.   **6. Introduced domestic animals (e.g., dogs, cats, cattle, pigs, cats) are a**   *
      concern for the conservation goals of the protected areas where I work

Mark only one oval.

◯ Strongly disagree

◯ Disagree

◯ Somewhat Disagree

◯ Neutral

◯ Agree

◯ Strongly agree

Please mark one of the alternatives provided to answer the
following questions based on your experience

7.   **7. Are dead animals encountered in the protected area?** *

Mark only one oval.

◯ Always

◯ Very frequently

◯ Occasionally

◯ Sometimes

◯ Rarely

◯ Very rarely

◯ Never

8.   **8. Are sick or injured animals encountered in the protected area?** *

Mark only one oval.

◯ Always

◯ Very frequently

◯ Occasionally

◯ Sometimes

◯ Rarely

◯ Very rarely

◯ Never

9.   **9. Are livestock encountered in the protected area?** *

Mark only one oval.

◯ Always

◯ Very frequently

◯ Occasionally

◯ Sometimes

◯ Rarely

◯ Very rarely

◯ Never

10.   **10. How long, on average, are the patrols in the protected area?** *

Mark only one oval.

◯ Less than a day

◯ Between one to two days

◯ Between two and five days

◯ Between four days and a week

11. **11. On average, how many patrols are completed in the protected area in one month?**   *

_____

Please respond to the following questions related to data recorded in SMART (e.g., data collected by ranger patrols, community members, or other users and managed in SMART)

12. **12. Are healthy wildlife found during patrols (rangers or others) recorded as a specific category of individuals?**   *

Mark only one oval.

( ) Yes   *Skip to question 13*

( ) No   *Skip to question 17*

13. **12.a Please select one of the choices below to help us understand how healthy wildlife are recorded during a patrol:**   *

Mark only one oval.

( ) Healthy wildlife are recorded as present/absent (the number of healthy individuals is not specified)

( ) Healthy wildlife are counted and reported as part of the full count of individuals belonging to an observed species (e.g. "3 total healthy animals of species X and 2 total healthy animals of species Y")

( ) Each healthy animal is recorded as an individual observation

( ) Healthy wildlife is recorded in another way

14. **12.b Please indicate what type of data are recorded (check all that apply)** *

Check all that apply.

- ☐ Photographs
- ☐ Species
- ☐ Age
- ☐ Sex
- ☐ Body condition
- ☐ Other

15. **12.c Are these data entered and stored in SMART Desktop?**

Mark only one oval.

- ◯ All of these items are entered and stored in the corresponding SMART Conservation Area   *Skip to question 17*

- ◯ Some of these items are entered and stored in the corresponding SMART Conservation Area   *Skip to question 17*

- ◯ None of these items are recorded in the corresponding SMART Conservation Area *Skip to question 16*

16. **12.c.i If none of the items are recorded in the corresponding SMART Conservation Area where are they recorded?**   *

_____

17. **13. Are dead wildlife found during patrols recorded as a specific category of individuals?**   *

Mark only one oval.

- ◯ Yes   *Skip to question 18*
- ◯ No   *Skip to question 22*

18. **13.a Please select one of the choices below to help us understand how dead** *
wildlife are recorded during a patrol:

Mark only one oval.

◯ Dead wildlife are recorded as present/absent (the number of dead individuals is not specified)

◯ Dead wildlife are counted and reported as part of the full count of individuals belonging to an observed species (e.g. "3 total dead animals of species X and 2 total dead animals of species Y").

◯ Each dead animal is recorded as an individual observation

◯ Dead wildlife is recorded in another way

19. **13.b Please indicate what type of data are recorded (check all that apply)** *

Check all that apply.

☐ Photographs
☐ Species
☐ Age
☐ Sex
☐ Carcass condition
☐ Anomalies in carcass (if any)
☐ Suspect cause of death
☐ Other

20. **13.c Are these data entered and stored in SMART Desktop?** *

Mark only one oval.

◯ All of these items are entered and stored in the corresponding SMART Conservation Area   *Skip to question 22*

◯ Some of these items are entered and stored in the corresponding SMART Conservation Area   *Skip to question 22*

◯ None of these items are recorded in the corresponding SMART Conservation Area
      Skip to question 21

21. **13.c.i If none of the items are recorded in the corresponding SMART Conservation Area where are they recorded?**   *

_____

22. **14. Are injured wildlife found during patrols recorded as a specific category of individuals?**   *

Mark only one oval.

◯ Yes

◯ No   *Skip to question 27*

23. **14.a Please select one of the choices below to help us understand how injured wildlife are recorded during a patrol:**   *

Mark only one oval.

◯ Injured wildlife are recorded as present/absent (the number of injured individuals is not specified)

◯ Injured wildlife are counted and reported as part of the full count of individuals belonging to an observed species (e.g. "3 total injured animals of species X and 2 total injured animals of species Y").

◯ Each injured animal is recorded as an individual observation

◯ Injured wildlife is recorded in another way

24. **14.b Please indicate what type of data are recorded (check all that apply)** *

Check all that apply.

☐ Photographs
☐ Species
☐ Age
☐ Sex
☐ Anomalies/signs if any
☐ Body condition
☐ Suspect cause of injury
☐ Other

25.   **14.c Are these data entered and stored in SMART Desktop?** *

Mark only one oval.

◯ All of these items are entered and stored in the corresponding SMART
Conservation Area   *Skip to question 27*

◯ Some of these items are entered and stored in the corresponding SMART
Conservation Area   *Skip to question 27*

◯ None of these items are recorded in the corresponding SMART Conservation Area
Skip to question 26

26.   **14.c.i If none of the items are recorded in the corresponding SMART**   *
Conservation Area where are they recorded?

_____

27.   **15. Are sick wildlife found during patrols recorded as a specific category of**   *
individuals?

Mark only one oval.

◯ Yes   *Skip to question 28*

◯ No   *Skip to question 32*

28.   **15.a Please select one of the choices below to help us understand how sick**   *
wildlife are recorded during a patrol:

Mark only one oval.

◯ Sick wildlife are recorded as present/absent (the number of sick individuals is not
specified)

◯ Sick wildlife are counted and reported as part of the full count of individuals
belonging to an observed species (e.g. "3 total sick animals of species X and 2 total sick
animals of species Y").

◯ Each sick animal is recorded as an individual observation

◯ Sick wildlife is recorded in another way

29.   **15.b Please indicate what type of data are recorded (check all that apply)** *

Check all that apply.

☐ Photographs
☐ Species
☐ Age
☐ Sex
☐ Anomalies/signs if any
☐ Body condition
☐ Suspect cause of disease
☐ Other

30.   **15.c Are these data entered and stored in SMART Desktop?** *

Mark only one oval.

◯ All of these items are entered and stored in the corresponding SMART Conservation Area   *Skip to question 32*

◯ Some of these items are entered and stored in the corresponding SMART Conservation Area   *Skip to question 32*

◯ None of these items are recorded in the corresponding SMART Conservation Area *Skip to question 31*

31.   **15.c.i If none of the items are recorded in the corresponding SMART**   *
       Conservation Area where are they recorded?

_____

Please mark "Yes/No" to answer the following questions

32. **16. Are domestic animals found in the protected area (free-ranging, captive,** *
    on a farm)?

Mark only one oval.

◯ Yes

◯ No

33. **17. If observed on a patrol, is the presence of domestic animals recorded?** *

Mark only one oval.

◯ Yes   *Skip to question 34*

◯ No   *Skip to question 35*

34. **17.a Are these data entered in SMART Desktop?** *

Mark only one oval.

◯ Yes

◯ No

35. **18. Is the health status of the observed domestic animals recorded (healthy,** *
    sick or injured, dead) recorded?

Mark only one oval.

◯ Yes   *Skip to question 36*

◯ No   *Skip to question 37*

36. **18.a Are these data entered in SMART Desktop?** *

Mark only one oval.

◯ Yes

◯ No

37. **19. Is any other data relevant to wildlife health collected during the patrols?** *

_____

_____

_____

_____

_____

38. **20. If no data are collected on dead, sick, or injured wildlife, please select**   *
     the best explanation(s) for why this information is not collected (check all
     that apply)

Check all that apply.

☐ Dead, sick or injured wildlife are seldom found

☐ It would add too much work or time to the patrol

☐ Wildlife disease is not relevant in the protected area

☐ Lack of expertise on how to properly record this information

☐ Never thought about it

☐ We use the default SMART data model which does not include sick, dead or injured
wildlife

39. **21. What version of SMART Desktop is currently used in the protected area?** *

_____

40. **22. Is SMART Connect available to manage and transfer information**   *
     between SMART Desktop and SMART Mobile?

Mark only one oval.

◯ Yes   *Skip to question 42*

◯ No   *Skip to question 41*

41. **22.a Are there plans to set up SMART Connect instance and when?** *

_____

42.   **23. Is SMART fully rolled-out in the protected area(s) you work in or is it being piloted?**   *

Mark only one oval.

◯ Fully rolled-out

◯ Under pilot

◯ Partially rolled-out

43.   **24. Would you be interested in adding a set of categories and attributes to your data model in order to facilitate the collection of wildlife health data (morbidity/mortality findings and events)?**   *

Mark only one oval.

◯ Yes

◯ No

44.   **25. Please select the option that best describes your position** *

Mark only one oval.

◯ I am directly responsible for managing SMART data in one or more protected areas

◯ I am a general manager or administrator of one or more protected areas that uses SMART data

◯ Other

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