Indicators for Early Warning and Risk Assessment - VECTOR

Contact information

*Required

1. **Email address** *

_____

MediLabSecure (MLS) One Health Project - Surveillance of Arbovirus infections

Purpose of the survey

Goal of this survey is to collect information on important indicators for risk assessment and early warning of arboviruses of relevance in the countries of the MLS Network, focusing on IF and HOW such information are collected at country level.

Please, complete each part of the questionnaire in the most accurate way possible.
For any further clarification, feel free to contact us at laura.amato@iss.it

Many thanks in advance for your time and consideration.

The Public Health Work Package of MLS

Structure of the questionnaire

The present questionnaire focuses on 7 relevant pathogens (namely Chikungunya virus, Crimean-Congo Haemorragic fever virus, Dengue fever virus, Yellow fever virus, Rift Valley fever virus, West Nile virus, Zika virus).

Each sector involved in the surveillance activities of the above pathogens (vector, human, animal) collects data in accordance with respective surveillance priorities. You are kindly asked to fill in this questionnaire that is specifically related to your field of expertise and sector of activity.

Each section is dedicated to one pathogen. At the beginning of each section, a question asking on the relevance of the pathogen for your country lets you provide information on the pathogen or skip to the next one.

Good luck and thank you for your support!

Vector

2. **Country** *

_____

3. **Family name** *

_____

4. **Given name** *

_____

5. **Name of your Institution** *

_____

6. **Name of your Laboratory** *

_____

7. **Of which MediLabSecure networks is your laboratory part of?** *
   Tick all that apply.

   ☐ Human Virology

   ☐ Animal Virology

   ☐ Medical Entomology

   ☐ Human Public Health

   ☐ Animal Public Health

   ☐ Other: _____

8. **Family name, given name and affiliation of other contributors to the compilation of the survey, if any**

   _____

   _____

   _____

   _____

   _____

Chikungunya virus

9. **Is Chikungunya virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country)** *
   Mark only one oval.

   ◯ YES

   ◯ NO   *Skip to question 23.*

   ◯ Other: _____

Chikungunya virus

10. **Is your country collecting data on VECTOR PRESENCE and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

11. **If yes, where are the collected data on VECTOR PRESENCE stored?**

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

12. **Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

13. **If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?**

Tick all that apply.

☐ Mosquitoes/ha

☐ Mosquitoes/trap

☐ Mosquitoes/human

☐ Percentage of municipalities with the presence of the vector in a given area

☐ I don't know

☐ Other: _____

14. **If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

15. **Is your country collecting data on VECTOR SEASONALITY and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

16. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**
Tick all that apply.

☐ Weeks of vector activity/year

☐ Months of vector activity/year

☐ Season of vector activity/year

☐ I don't know

☐ Other: _____

17. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

18. **Is your country collecting data on VECTOR INFECTION RATE and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

19. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
Tick all that apply.

☐ N. positive pools/total tested pools

☐ I don't know

☐ Other: _____

20. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

21. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors?** *
Mark only one oval.

◯ Yes

◯ No

◯ I don't know

◯ Other: _____

22. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

23. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify?** *

_____

_____

_____

_____

_____

Crimean-Congo Haemorragic fever virus

24. **Is Crimean-Congo Haemorragic fever virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country)** *

Mark only one oval.

◯ YES

◯ NO   *Skip to question 38.*

◯ Other: _____

Crimean-Congo Haemorragic fever virus

25. **Is your country collecting data on VECTOR PRESENCE and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

26. **If yes, where are the collected data on VECTOR PRESENCE stored?**

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

27. **Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

28. **If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?**
Tick all that apply.

☐ Ticks/ha

☐ Ticks/trap

☐ Ticks/human or ticks/host

☐ Percentage of municipalities with the presence of the vector in a given area

☐ I don't know

☐ Other: _____

29. **If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

30. **Is your country collecting data on VECTOR SEASONALITY and at which level? ***
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

31. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**
Tick all that apply.

☐ Weeks of vector activity/year

☐ Months of vector activity/year

☐ Season of vector activity/year

☐ I don't know

☐ Other: _____

32. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

33. **Is your country collecting data on VECTOR INFECTION RATE and at which level? ***
Tick all that apply.

- [ ] NO
- [ ] YES - National aggregated
- [ ] YES - Regional aggregated
- [ ] YES - Local or GPS
- [ ] I don't know
- [ ] Other: _____

34. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
Tick all that apply.

- [ ] N. positive ticks/total tested ticks
- [ ] I don't know
- [ ] Other: _____

35. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

36. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors? ***
Mark only one oval.

- ( ) Yes
- ( ) No
- ( ) I don't know
- ( ) Other: _____

37. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

38. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify?** *

_____

_____

_____

_____

Dengue virus

39. **Is Dengue virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country)** *

Mark only one oval.

◯ YES

◯ NO   *Skip to question 54.*

◯ Other: _____

Dengue virus

40. **Did you already provided information on this vector, answering to the questions in the Chikungunya Section?** *

Mark only one oval.

◯ YES   *Skip to question 54.*

◯ NO

Dengue virus

41. **Is your country collecting data on VECTOR PRESENCE and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

42. **If yes, where are the collected data on VECTOR PRESENCE stored?**

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

43. **Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

44. **If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?**
Tick all that apply.

☐ Mosquitoes/ha

☐ Mosquitoes/trap

☐ Mosquitoes/human

☐ Percentage of municipalities with the presence of the vector in a given area

☐ I don't know

☐ Other: _____

45. **If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

46. **Is your country collecting data on VECTOR SEASONALITY and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

47. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**
Tick all that apply.

☐ Weeks of vector activity/year

☐ Months of vector activity/year

☐ Season of vector activity/year

☐ I don't know

☐ Other: _____

48. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

49. **Is your country collecting data on VECTOR INFECTION RATE and at which level?** *
Tick all that apply.

- [ ] NO
- [ ] YES - National aggregated
- [ ] YES - Regional aggregated
- [ ] YES - Local or GPS
- [ ] I don't know
- [ ] Other: _____

50. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
Tick all that apply.

- [ ] N. positive pools/total tested pools
- [ ] I don't know
- [ ] Other: _____

51. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

52. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors?** *
Mark only one oval.

- ( ) Yes
- ( ) No
- ( ) I don't know
- ( ) Other: _____

53. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

54. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify? ***

_____

_____

_____

_____

_____

Yellow Fever virus

55. **Is Yellow Fever virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country) ***
Mark only one oval.

◯ YES

◯ NO   _Skip to question 70._

◯ Other: _____

Yellow Fever virus

56. **Did you already provided information on this vector, answering to the questions in the Chikungunya or Dengue Sections? ***
Mark only one oval.

◯ YES   _Skip to question 70._

◯ NO

Yellow Fever virus

57. **Is your country collecting data on VECTOR PRESENCE and at which level? ***
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

58. If yes, where are the collected data on VECTOR PRESENCE stored?

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

59. Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level? *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

60. If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?

Tick all that apply.

☐ Mosquitoes/ha

☐ Mosquitoes/trap

☐ Mosquitoes/human

☐ Percentage of municipalities with the presence of the vector in a given area

☐ I don't know

☐ Other: _____

61. If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

62. **Is your country collecting data on VECTOR SEASONALITY and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

63. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**
Tick all that apply.

☐ Weeks of vector activity/year

☐ Months of vector activity/year

☐ Season of vector activity/year

☐ I don't know

☐ Other: _____

64. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

65. **Is your country collecting data on VECTOR INFECTION RATE and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

66. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
Tick all that apply.

☐ N. positive pools/total tested pools

☐ I don't know

☐ Other: _____

67. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

68. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors?** *
Mark only one oval.

◯ Yes

◯ No

◯ I don't know

◯ Other: _____

69. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

70. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify?** *

_____

_____

_____

_____

_____

Rift Valley Fever virus

71. **Is Rift Valley Fever virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country)** *
Mark only one oval.

◯ YES

◯ NO *Skip to question 85.*

◯ Other: _____

Rift Valley Fever virus

72. **Is your country collecting data on VECTOR PRESENCE and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

73. **If yes, where are the collected data on VECTOR PRESENCE stored?**

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

74. **Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

75. **If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?**

Tick all that apply.

☐ Mosquitoes/ha

☐ Mosquitoes/trap

☐ Mosquitoes/human

☐ Percentage of municipalities with the presence of the vector in a given area

☐ I don't know

☐ Other: _____

76. **If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

77. **Is your country collecting data on VECTOR SEASONALITY and at which level? ***
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

78. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**
Tick all that apply.

☐ Weeks of vector activity/year

☐ Months of vector activity/year

☐ Season of vector activity/year

☐ I don't know

☐ Other: _____

79. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

80. **Is your country collecting data on VECTOR INFECTION RATE and at which level? ***
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

81. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
Tick all that apply.

☐ N. positive pools/total tested pools

☐ I don't know

☐ Other: _____

82. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

83. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors?** *
Mark only one oval.

◯ Yes

◯ No

◯ I don't know

◯ Other: _____

84. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

85. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify?** *

_____

_____

_____

_____

_____

West Nile virus

86. **Is West Nile Fever virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country)** *

Mark only one oval.

◯ YES

◯ NO　　*Skip to question 100.*

◯ Other: _____

West Nile virus

87. **Is your country collecting data on VECTOR PRESENCE and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

88. **If yes, where are the collected data on VECTOR PRESENCE stored?**

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

89. **Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

90. **If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?**
Tick all that apply.

- [ ] Mosquitoes/ha
- [ ] Mosquitoes/trap
- [ ] Mosquitoes/human
- [ ] Percentage of municipalities with the presence of the vector in a given area
- [ ] I don't know
- [ ] Other: _____

91. **If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

92. **Is your country collecting data on VECTOR SEASONALITY and at which level?** *
Tick all that apply.

- [ ] NO
- [ ] YES - National aggregated
- [ ] YES - Regional aggregated
- [ ] YES - Local or GPS
- [ ] I don't know
- [ ] Other: _____

93. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**
Tick all that apply.

- [ ] Weeks of vector activity/year
- [ ] Months of vector activity/year
- [ ] Season of vector activity/year
- [ ] I don't know
- [ ] Other: _____

94. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

95. **Is your country collecting data on VECTOR INFECTION RATE and at which level?** *
    Tick all that apply.

    ☐ NO

    ☐ YES - National aggregated

    ☐ YES - Regional aggregated

    ☐ YES - Local or GPS

    ☐ I don't know

    ☐ Other: _____

96. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
    Tick all that apply.

    ☐ N. positive pools/total tested pools

    ☐ I don't know

    ☐ Other: _____

97. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
    Tick all that apply.

    ☐ Digitalized national database interoperable or integrated with other sectors' databases

    ☐ Digitalized national database

    ☐ Non digitalized national database

    ☐ Local or regional database

    ☐ I don't know

    ☐ Other: _____

98. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors?** *
    Mark only one oval.

    ◯ Yes

    ◯ No

    ◯ I don't know

    ◯ Other: _____

99. **If yes, which one/ones? Are you using it/them for which purpose?**

    _____

    _____

    _____

    _____

    _____

100. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify?** *

_____

_____

_____

_____

_____

Zika virus

101. **Is Zika virus a pathogen of relevance for your country? (A relevant pathogen could be an endemic or epidemic pathogen in the country, or an emerging pathogen not yet identified in the country)** *

Mark only one oval.

◯ YES

◯ NO   *Skip to question 116.*

◯ Other: _____

Zika virus

102. **Did you already provided information on this vector, answering to the questions in the Chikungunya or Dengue or Yellow Fever Sections?** *

Mark only one oval.

◯ YES   *Skip to question 116.*

◯ NO

Zika virus

103. **Is your country collecting data on VECTOR PRESENCE and at which level?** *

Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

104. **If yes, where are the collected data on VECTOR PRESENCE stored?**

Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

105. **Is your country collecting data on VECTOR ABUNDANCE/DENSITY and at which level?** *

Tick all that apply.

- [ ] NO
- [ ] YES - National aggregated
- [ ] YES - Regional aggregated
- [ ] YES - Local or GPS
- [ ] I don't know
- [ ] Other: _____

106. **If yes, which specific data on VECTOR ABUNDANCE/DENSITY is your country collecting?**

Tick all that apply.

- [ ] Mosquitoes/ha
- [ ] Mosquitoes/trap
- [ ] Mosquitoes/human
- [ ] Percentage of municipalities with the presence of the vector in a given area
- [ ] I don't know
- [ ] Other: _____

107. **If yes, where are the collected data on VECTOR ABUNDANCE/DENSITY stored?**

Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

108. **Is your country collecting data on VECTOR SEASONALITY and at which level?** *

Tick all that apply.

- [ ] NO
- [ ] YES - National aggregated
- [ ] YES - Regional aggregated
- [ ] YES - Local or GPS
- [ ] I don't know
- [ ] Other: _____

109. **If yes, which specific data on VECTOR SEASONALITY is your country collecting?**

Tick all that apply.

- [ ] Months of vector activity/year
- [ ] Weeks of vector activity/year
- [ ] Season of vector activity/year
- [ ] I don't know
- [ ] Other: _____

110. **If yes, where are the collected data on VECTOR SEASONALITY stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

111. **Is your country collecting data on VECTOR INFECTION RATE and at which level? ***
Tick all that apply.

- [ ] NO
- [ ] YES - National aggregated
- [ ] YES - Regional aggregated
- [ ] YES - Local or GPS
- [ ] I don't know
- [ ] Other: _____

112. **If yes, which specific data on VECTOR INFECTION RATE is your country collecting?**
Tick all that apply.

- [ ] N. positive pools/total tested pools
- [ ] I don't know
- [ ] Other: _____

113. **If yes, where are the collected data on VECTOR INFECTION RATE stored?**
Tick all that apply.

- [ ] Digitalized national database interoperable or integrated with other sectors' databases
- [ ] Digitalized national database
- [ ] Non digitalized national database
- [ ] Local or regional database
- [ ] I don't know
- [ ] Other: _____

114. **Has your office access to any GLOBAL PUBLIC DATASET related to vectors? ***
Mark only one oval.

- ( ) Yes
- ( ) No
- ( ) I don't know
- ( ) Other: _____

115. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

116. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify? ***

_____

_____

_____

_____

_____

Climate & Environment

This section is collecting information on indicators regarding Climate & Environment regardless of the pathogens

Climate & Environment

117. **Is your country collecting data on TEMPERATURE and at which level? ***
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

118. **If yes, which specific data on TEMPERATURE is your country collecting?**
Tick all that apply.

☐ Maximum temperature

☐ Annual average of mean temperature

☐ I don't know

☐ Other: _____

119. **If yes, where are the collected data on TEMPERATURE stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

120. **Is your country collecting data on PRECIPITATIONS and at which level? ***
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

121. **If yes, which specific data on PRECIPITATIONS is your country collecting?**
Tick all that apply.

☐ Monthly precipitation

☐ Weekly precipitation

☐ I don't know

☐ Other: _____

122. **If yes, where are the collected data on PRECIPITATIONS stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

123. **Where are the METEOROLOGICAL STATIONS of your country? Please specify place and region. If you don't know, please answer "I don't know". ***

_____

_____

_____

_____

_____

124. **Which variables are routinely recorded in your meteorological stations?**
Tick all that apply.

☐ Temperature

☐ Precipitations

☐ I don't know

☐ Other: _____

125. **Is your country collecting data on VEGETATION and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

126. **If yes, which specific data on VEGETATION is your country collecting?**

_____

127. **If yes, where are the collected data on VEGETATION stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

128. **Is your country collecting data on LAND USE and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

129. **If yes, which specific data on LAND USE is your country collecting?**
Tick all that apply.

☐ Forest, mixed vegetation, cropland or urban land uses

☐ I don't know

☐ Other: _____

130. **If yes, where are the collected data on LAND USE stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

131. **Is your country collecting data on LAND COVER and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

132. **If yes, which specific data on LAND COVER is your country collecting?**
Tick all that apply.

☐ Artificial, cultivated, herbaceous cover, tree cover, mosaic and water

☐ I don't know

☐ Other: _____

133. **If yes, where are the collected data on LAND COVER stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

134. **Is your country collecting data on SOIL TYPE and at which level?** *
Tick all that apply.

☐ NO

☐ YES - National aggregated

☐ YES - Regional aggregated

☐ YES - Local or GPS

☐ I don't know

☐ Other: _____

135. **If yes, which specific data on SOIL TYPE is your country collecting?**

_____

136. **If yes, where are the collected data on SOIL TYPE stored?**
Tick all that apply.

☐ Digitalized national database interoperable or integrated with other sectors' databases

☐ Digitalized national database

☐ Non digitalized national database

☐ Local or regional database

☐ I don't know

☐ Other: _____

137. **The above mentioned indicators are collected by which INSTITUTION / INSTITUTIONS? If you don't know, please answer "I don't know". ***

_____

_____

_____

_____

_____

138. **Has your office access to any GLOBAL PUBLIC DATASET related to Climate & Environment? ***
Mark only one oval.

◯ Yes

◯ No

◯ I don't know

◯ Other: _____

139. **If yes, which one/ones? Are you using it/them for which purpose?**

_____

_____

_____

_____

_____

140. **Is your country collecting ANY OTHER RELEVANT INDICATOR not mentioned above? If yes, could you specify? ***

_____

_____

_____

_____

_____

Conclusions

141. **Please feel free to put any comment, suggestion or remark here below**

Thank you very much for your time and consideration!

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Please be kindly informed that the information you have provided with this questionnaire will be shared and disseminated only in aggregated form with the information provided by all the other MLS Countries involved in this survey.

☐ Send me a copy of my responses.

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