

## Follow-up report No.56

Report reference: , Reference OIE : 24861, Report Date : 22/09/2017, Country : Cameroon

### Report Summary

|                                     |                                  |                              |                         |
|-------------------------------------|----------------------------------|------------------------------|-------------------------|
| <b>Name of sender of the report</b> | Dr Marcel Casimir Ndongou Kounou | <b>Telephone</b>             | 00 (237) 679 82 33 25   |
| <b>Position</b>                     | Directeur                        | <b>Fax</b>                   |                         |
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|                                     |                                  | <b>Date submitted to OIE</b> | 22/09/2017              |

|                                     |   |  |                                 |
|-------------------------------------|---|--|---------------------------------|
| <b>Animal type</b>                  | Terrestrial                             | <b>Date of report</b>                    | 22/09/2017                      |
| <b>Disease</b>                      | Highly pathogenic avian influenza       | <b>Date of start of the event</b>        | 20/05/2016                      |
| <b>Causal Agent</b>                 | Highly pathogenic avian influenza virus | <b>Date of confirmation of the event</b> | 24/05/2016                      |
| <b>Serotype(s)</b>                  | H5N1                                    | <b>Date of last occurrence</b>           | 12/03/2006                      |
| <b>Reason</b>                       | Recurrence of a listed disease          | <b>Diagnosis</b>                         | Clinical, Laboratory (advanced) |
| <b>Country or zone</b>              | a zone or compartment                   | <b>Clinical signs</b>                    | Yes                             |
| <b>Number of reported outbreaks</b> | submitted= 21, Draft= 0                 |  |                                 |

### Outbreak details

| Region                          | Number of outbreaks  | Département        | Arrondissement | Unit Type     | Location                      | Latitude           | Longitude | Start Date | End Date:  |
|---------------------------------|--|--------------------|----------------|---------------|-------------------------------|--------------------|-----------|------------|------------|
| CENTRE-other report - submitted | -  | Mfoundi            | Yaoundé 6      | Farm          | Poultry complex of Mvog Besti | 3.865473           | 11.484552 | 20/05/2016 | 15/06/2016 |
| <b>Species</b>                  | <b>Measuring units</b>   | <b>Susceptible</b> | <b>Cases</b>   | <b>Deaths</b> | <b>Killed and disposed of</b> | <b>Slaughtered</b> |           |            |            |
| Birds                           | Animals  | 33000              | 15000          | 15000         | 18000                         | 0                  |           |            |            |
| Affected Population             | Population of breeders, broilers and layers: 7, 13, 31, 61 and 81 weeks old. |                    |                |               |                               |                    |           |            |            |

| Region                          | Number of outbreaks                            | Département        | Arrondissement | Unit Type      | Location                      | Latitude           | Longitude | Start Date | End Date:  |
|---------------------------------|--|--------------------|----------------|----------------|-------------------------------|--------------------|-----------|------------|------------|
| CENTRE-other report - submitted | -  | Mfoundi            | Yaoundé 4      | Not applicable | Mvog Ada Market.              | 3.86195            | 11.53319  | 21/05/2016 | 24/06/2016 |
| <b>Species</b>                  | <b>Measuring units</b>                         | <b>Susceptible</b> | <b>Cases</b>   | <b>Deaths</b>  | <b>Killed and disposed of</b> | <b>Slaughtered</b> |           |            |            |
| Birds                           | Animals  | 1200               | 682            | 682            | 382                           | ...                |           |            |            |
| Affected Population             | Broilers and spent chickens of different ages. |                    |                |                |                               |                    |           |            |            |

| Region                       | Number of outbreaks                          | Département        | Arrondissement | Unit Type      | Location                      | Latitude           | Longitude | Start Date | End Date:  |
|------------------------------|--|--------------------|----------------|----------------|-------------------------------|--------------------|-----------|------------|------------|
| SUD-other report - submitted | -  | Mvilla             | Ebolowa 2      | Not applicable | Marché Oyenga                 | 2.91507            | 11.16377  | 21/05/2016 | 31/05/2016 |
| <b>Species</b>               | <b>Measuring units</b>                       | <b>Susceptible</b> | <b>Cases</b>   | <b>Deaths</b>  | <b>Killed and disposed of</b> | <b>Slaughtered</b> |           |            |            |
| Birds                        | Animals                                      | 1202               | 352            | 352            | 850                           | 0                  |           |            |            |
| Affected Population          | Broilers, layers, village chicken and ducks. |                    |                |                |                               |                    |           |            |            |

| Region                       | Number of outbreaks    | Département        | Arrondissement | Unit Type     | Location                      | Latitude           | Longitude | Start Date | End Date:  |
|------------------------------|------------------------|--------------------|----------------|---------------|-------------------------------|--------------------|-----------|------------|------------|
| SUD-other report - submitted | -                      | Mvilla             | Ebolowa 2      | Farm          | Bilon                         | 2.938417           | 11.16227  | 21/05/2016 | 31/05/2016 |
| <b>Species</b>               | <b>Measuring units</b> | <b>Susceptible</b> | <b>Cases</b>   | <b>Deaths</b> | <b>Killed and disposed of</b> | <b>Slaughtered</b> |           |            |            |
| Birds                        | Animals                | 4650               | 2000           | 2000          | 2650                          | 0                  |           |            |            |
| Affected Population          | Broilers.              |                    |                |               |                               |                    |           |            |            |

| Region                       | Number of outbreaks    | Département        | Arrondissement | Unit Type     | Location                      | Latitude           | Longitude | Start Date | End Date:  |
|------------------------------|------------------------|--------------------|----------------|---------------|-------------------------------|--------------------|-----------|------------|------------|
| SUD-other report - submitted | -                      | Mvilla             | Ebolowa        | Farm          | Haoussa area.                 | 2.908029           | 11.180791 | 23/05/2016 | 02/06/2016 |
| <b>Species</b>               | <b>Measuring units</b> | <b>Susceptible</b> | <b>Cases</b>   | <b>Deaths</b> | <b>Killed and disposed of</b> | <b>Slaughtered</b> |           |            |            |
| Birds                        | Animals                | 20                 | 7              | 7             | 13                            | 0                  |           |            |            |
| Affected Population          | Ducks.                 |                    |                |               |                               |                    |           |            |            |

| Region                       | Number of outbreaks | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------|---------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| SUD-other report - submitted | -                   | Mvilla      | Ebolowa 1      | Farm      | John Holth             | 2.938355    | 11.14659  | 23/05/2016 | 31/05/2016 |
| Species                      | Measuring units     | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                        | Animals             | 66          | 66             | 66        | 0                      | 0           |           |            |            |
| Affected Population          | Broilers.           |             |                |           |                        |             |           |            |            |

| Region                          | Number of outbreaks  | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|---------------------------------|----------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| CENTRE-other report - submitted | -                    | Mfoundi     | Yaoundé 1      | Farm      | Nkolodom               | 3.950039    | 11.498142 | 23/05/2016 | 25/05/2016 |
| Species                         | Measuring units      | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                           | Animals              | 500         | 133            | 133       | 367                    | 0           |           |            |            |
| Affected Population             | 43-day-old broilers. |             |                |           |                        |             |           |            |            |

| Region                       | Number of outbreaks | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------|---------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| SUD-other report - submitted | -                   | Mvilla      | Ebolowa        | Farm      | Ebolowa Si II          | 2.909738    | 11.145312 | 24/05/2016 | 02/06/2016 |
| Species                      | Measuring units     | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                        | Animals             | 30          | 15             | 15        | 15                     | 0           |           |            |            |
| Affected Population          | Ducks.              |             |                |           |                        |             |           |            |            |

| Region                       | Number of outbreaks | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------|---------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| SUD-other report - submitted | -                   | Mvilla      | Ebolowa        | Farm      | Angale                 | 2.909731    | 11.14532  | 24/05/2016 | 02/06/2016 |
| Species                      | Measuring units     | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                        | Animals             | 500         | 200            | 200       | 300                    | 0           |           |            |            |
| Affected Population          | Broilers.           |             |                |           |                        |             |           |            |            |

| Region                          | Number of outbreaks   | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|---------------------------------|---|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| CENTRE-other report - submitted | -   | Mfoundi     | Yaoundé 3      | Farm      | Mekounou - Afanoyoa    | 3.755666    | 11.46825  | 26/05/2016 | 15/06/2016 |
| Species                         | Measuring units   | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                           | Animals   | 5813        | 30             | 30        | 5783                   | 0           |           |            |            |
| Affected Population             | 36-day-old broilers, 6-week-old, 12-week-old and 51-week-old laying hens. |             |                |           |                        |             |           |            |            |

| Region                       | Number of outbreaks                             | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude  | Start Date | End Date:  |
|------------------------------|---|-------------|----------------|-----------|------------------------|-------------|------------|------------|------------|
| SUD-other report - submitted | -   | Mvilla      | Ebolowa 2      | Farm      | Monelam                | 2.8863108   | 11.1148099 | 29/05/2016 | 08/06/2016 |
| Species                      | Measuring units                                 | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |            |            |            |
| Birds                        | Animals   | 351         | 7              | 7         | 344                    | 0           |            |            |            |
| Affected Population          | Village chicken, ducks, guinea fowls and geese. |             |                |           |                        |             |            |            |            |

| Region                          | Number of outbreaks  | Département | Arrondissement | Unit Type | Location                 | Latitude    | Longitude | Start Date | End Date:  |
|---------------------------------|----------------------|-------------|----------------|-----------|--------------------------|-------------|-----------|------------|------------|
| CENTRE-other report - submitted | -                    | Mfoundi     | Yaoundé 6      | Farm      | Akoudoué II (Biyem Assi) | 3.832964    | 11.470791 | 30/05/2016 | 01/06/2016 |
| Species                         | Measuring units      | Susceptible | Cases          | Deaths    | Killed and disposed of   | Slaughtered |           |            |            |
| Birds                           | Animals              | 500         | 200            | 200       | 300                      | 0           |           |            |            |
| Affected Population             | 45-day-old broilers. |             |                |           |                          |             |           |            |            |

| Region | Number of outbreaks | Département | Arrondissement | Unit Type | Location | Latitude | Longitude | Start Date | End Date: |
|--------|---------------------|-------------|----------------|-----------|----------|----------|-----------|------------|-----------|
|--------|---------------------|-------------|----------------|-----------|----------|----------|-----------|------------|-----------|

| Region                         | Number of outbreaks                             | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|--------------------------------|---|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| OUEST-other report - submitted | -   | Koung Khi   | Bayangam       | Farm      | Bayangam               | 5.295661    | 10.451634 | 31/05/2016 | 10/06/2016 |
| Species                        | Measuring units                                 | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                          | Animals   | 12000       | 1500           | 1500      | 10500                  | 0           |           |            |            |
| Affected Population            | 2-week-old, 2 week-old and 8-week-old broilers. |             |                |           |                        |             |           |            |            |

| Region                         | Number of outbreaks   | Département | Arrondissement | Unit Type      | Location               | Latitude    | Longitude | Start Date | End Date:  |
|--------------------------------|---|-------------|----------------|----------------|------------------------|-------------|-----------|------------|------------|
| OUEST-other report - submitted | -   | Mifi        | Bafoussam II   | Not applicable | Cassablanca market.    | 5.492797    | 10.397273 | 31/05/2016 | 03/06/2016 |
| Species                        | Measuring units   | Susceptible | Cases          | Deaths         | Killed and disposed of | Slaughtered |           |            |            |
| Birds                          | Animals   | 428         | 61             | 61             | 367                    | 0           |           |            |            |
| Affected Population            | Village poultry, turkeys, ducks and broilers of different ages. |             |                |                |                        |             |           |            |            |

| Region                       | Number of outbreaks   | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|------------------------------|---|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| SUD-other report - submitted | -   | Mvilla      | Ebolowa 1      | Farm      | New-Bell               | 2.930124    | 11.147616 | 01/06/2016 | 13/06/2016 |
| Species                      | Measuring units   | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                        | Animals   | 6000        | 1439           | 1439      | 4561                   | 0           |           |            |            |
| Affected Population          | Broilers aged 30 days, cockerels aged 60 days and laying hens aged 12 months. |             |                |           |                        |             |           |            |            |

| Region                          | Number of outbreaks  | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|---------------------------------|----------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| CENTRE-other report - submitted | -                    | Mfoundi     | Yaoundé 6      | Farm      | Jouvence               | 3.829693    | 11.479581 | 03/06/2016 | 09/06/2016 |
| Species                         | Measuring units      | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                           | Animals              | 831         | 300            | 300       | 531                    | 0           |           |            |            |
| Affected Population             | 60-day-old broilers. |             |                |           |                        |             |           |            |            |

| Region                            | Number of outbreaks | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|-----------------------------------|---------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| ADAMAOUA-other report - submitted | -                   | Djerem      | Tibati         | Backyard  | Daber                  | 6.654656    | 12.098571 | 04/06/2016 | 08/06/2016 |
| Species                           | Measuring units     | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                             | Animals             | 66          | 48             | 48        | 18                     | 0           |           |            |            |
| Affected Population               | Village poultry.    |             |                |           |                        |             |           |            |            |

| Region                         | Number of outbreaks   | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|--------------------------------|---|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| OUEST-other report - submitted | -   | Mifi        | Bafoussam 1er  | Farm      | Nzemgouen              | 5.461312    | 10.448452 | 29/08/2016 | 13/10/2016 |
| Species                        | Measuring units   | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                          | Animals   | 34400       | 2628           | 2628      | 31772                  | 0           |           |            |            |
| Affected Population            | Population of breeders: 15, 26, 29 and 51 weeks old. Commercial layers: one week old.<br>Following reinforcement of the surveillance of avian influenza in Cameroon and in compliance with articles 3 and 5 of the Act 006 of 16 April 2001 on zoo-sanitary standards applying to livestock diseases legally considered as contagious and subjected to compulsory reporting, the owners of the poultry farm reported high mortality within the breeders rearing facilities. |             |                |           |                        |             |           |            |            |

| Region                         | Number of outbreaks  | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date: |
|--------------------------------|--|-------------|----------------|-----------|------------------------|-------------|-----------|------------|-----------|
| OUEST-other report - submitted | -  | Noun        | Foumbot        | Farm      | Njimbot 1              | 5.517345    | 10.65043  | 03/03/2017 |           |
| Species                        | Measuring units  | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |           |
| Birds                          | Animals  | ...         | ...            | ...       | ...                    | ...         |           |            |           |
| Affected Population            | Sampling of droppings and food following depopulation of 90-week-old discarded layers. H5N1 was identified by the national reference laboratory. |             |                |           |                        |             |           |            |           |

| Region                         | Number of outbreaks               | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date:  |
|--------------------------------|-----------------------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|------------|
| OUEST-other report - submitted | -                                 | Noun        | Foumbot        | Farm      | Mangoum                | 5.4845      | 10.5903   | 05/03/2017 | 27/03/2017 |
| Species                        | Measuring units                   | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |            |
| Birds                          | Animals                           | 6320        | 1487           | 1487      | 4833                   | 0           |           |            |            |
| Affected Population            | Population of layers 30 weeks old |             |                |           |                        |             |           |            |            |

| Region                         | Number of outbreaks         | Département | Arrondissement | Unit Type | Location               | Latitude    | Longitude | Start Date | End Date: |
|--------------------------------|-----------------------------|-------------|----------------|-----------|------------------------|-------------|-----------|------------|-----------|
| OUEST-other report - submitted | -                           | Noun        | Foumbot        | Farm      | Mbandjou               | 5.52346     | 10.622769 | 07/03/2017 |           |
| Species                        | Measuring units             | Susceptible | Cases          | Deaths    | Killed and disposed of | Slaughtered |           |            |           |
| Birds                          | Animals                     | 25413       | 21407          | 21407     | 4006                   | 0           |           |            |           |
| Affected Population            | 12-weeks-old poultry birds. |             |                |           |                        |             |           |            |           |

### Outbreak summary: Total outbreaks = 21 (Submitted)

| Species | Susceptible | Cases | Deaths | Killed and disposed of | Slaughtered |
|---------|-------------|-------|--------|------------------------|-------------|
| Birds   | 133290      | 47562 | 47562  | 85592                  | 0           |

### Epidemiology

#### Epidemiological comments

Intensive surveillance is continuing, according to Law 006 of 16 April 2001 on animal health standards applying to livestock diseases legally considered as contagious and notifiable and according to the OIE Terrestrial Animal Health Code. Clinical and epidemiological investigations are conducted according to defined areas and risk factors based on the legal texts in force in each region. Movement control of poultry and of poultry products is strengthened.

#### Source of the outbreak(s) or origin of infection

- Unknown or inconclusive

### Measures applied

| Applied  | To be applied   |
|--|---|
| <ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• screening</li> <li>• quarantine</li> <li>• surveillance outside containment and/or protection zone</li> <li>• official disposal of carcasses, by-products and waste</li> <li>• stamping out</li> <li>• surveillance within containment and/or protection zone</li> <li>• zoning</li> </ul> | <ul style="list-style-type: none"> <li>• no planned control measures</li> </ul> |
| Animals treated  | Vaccination Prohibited  |
| No   | Yes   |

### Future Reporting

The event is continuing. Weekly follow-up reports will be submitted.

## Outbreak maps

