**Sudan**

**Year 2 (October 2015-September 2016)**

**Implementing Partners:** EHA, TBD

**Principal Investigator:** TBD

**Country Coordinator:** TBD

**Existing and Prospective Partners**

|  |  |  |
| --- | --- | --- |
| **NAME** | **ORGANIZATION** | **ROLE** |
| **Dr. Eltahir M Haroun** | **University of Khartoum** | **Faculty** |
| **Dr. Imadeldin E Aradaib** | **University of Khartoum** | **Faculty** |
| **Dr. Osama H Omer** | **University of Khartoum** | **Faculty** |

**No deviations from activates listed in the All-country workplan**

**Zoonotic Disease Surveillance Plans**

Build partnerships and initiate concurrent biological and behavioral surveillance activities targeting animals and humans at least 1 pathway for disease emergence, amplification, and spread, and evaluate opportunities for expansion of activities for in-depth targeted surveillance in Years 3 and 4.

**Intensifying Animal Production Pathway:**

* **Sampling targets:**
  + Wildlife (especially *Taphozous perforatus*) in urban and peri-urban areas and water sources (where domestic and wild animals comingle) used by livestock production facilities and markets (camel operations)
  + Human populations with frequent exposure to wildlife, camels, and possibly patients presenting in local health clinics with respiratory illnesses
* **Sampling locations:**
  + To be determined based on the structure of the camel supply chain in Sudan.

**OR**

**Land Conversion for Commercialization:**

* **Sampling targ**ets (people and domestic animals commingled with wildlife in prioritized locations) such as**:**
  + Wildlife near water sources in the desert, potentially degraded by population growth, settlements, and movement of people and refugees in transboundary areas
  + Wildlife in and around homes, that comingle with livestock operations, extractive industries, and in areas of changing land use due to the construction of reservoirs
  + Rapidly growing human communities around extractive industries or intensifying agricultural and animal production activities, including livestock handlers and slaughterhouse employees
* **Potential Sampling location:**
  + TBD

**Laboratory Systems Plans**

To date, no laboratories have been engaged. Future partner laboratories will conduct viral family testing using PREDICT protocols with plans to expand list of assays to include additional viral tests and bacteria. Public health and agriculture laboratories will be selected based on their demonstrated ability to conduct novel and known potentially

zoonotic pathogen detection and characterization testing.

**Operationalizing One Health and Capacity Strengthening Plans**

Data sharing and communication process will be established with Sudanese partners and will be expanded to other partners as appropriate to strengthen data platforms and improve the ease of dissemination of relevant animal, human, epidemiological, and ecological data.