

# ISAC Meeting – June 11, 2011

## ACTION OR INFORMATION ITEM

**SPONSOR (Name/Email):** Jamie K. Reaser/ecos@nelsoncable.com

**TOPIC:** Invasive disease vectors: a case study of exotic mosquito species

**SPEAKER (Name):** Chester (Chet) M. Moore, Colorado State University

### **1. DESCRIPTION OF AGENDA ITEM (please be thorough enough to clearly :**

The issue of “emerging diseases” has been a central topic of numerous conferences and publications. Most of these diseases are zoonoses (diseases of animals transmissible to humans) and a majority the pathogens are vector-borne (transmitted by insects, ticks or other invertebrates). I will review this issue using exotic mosquito species as an example of the ease of introduction and spread of vectors and their potential involvement in transmission of domestic and exotic pathogens. I will also outline some of the difficulties in monitoring and intercepting exotic vectors.

### **2. WHY IS THIS ITEM IMPORTANT TO NISC / ISAC?**

NISC/ISAC have had very little focus on invasive species in the context of disease. Because the meeting is being held in Denver, we will be in the proximity of one of the world experts on non-native mosquito invasion and pathogen transmission. Chet Moore played a pivotal role in tracking invasive disease vectors during his career at CDC. He has continued many important studies while a professor at Colorado State University.

### **3. PREVIOUS ACTIONS TAKEN BY NISC / ISAC ON THIS ITEM:**

None.

### **4. ACTION REQUESTED OF NISC / ISAC:**

None identified at this time. Although this topic might provide insights for one or more committees to explore further, as well as set the stage for planning a future meeting on the linkages between invasive species and disease.

### **5. ALTERNATIVES:**

None

### **6. ATTACHMENTS:**

None