## Cover Page

1. BAA Number: BROAD AGENCY ANNOUNCEMENT (BAA) 15DHS-001 National Bio- and Agrodefense Facility Transition Research Project on behalf of Department of Homeland Security Science and Technology (S&T) Directorate
2. Title: *Mantle: An open-source and open-access software platform for biosurveillance and infectious disease research*
3. Prime Offeror: EcoHealth Alliance
   1. **Subcontractors:**
      1. ProMED
      2. International Society for Disease Surveillance (ISDS)
      3. Distributed Information Technologies Inc.
      4. Clango Inc.
4. Technical Contact:Dr. Andrew Huff

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1. Duration of Effort: 3 years

## Cost Summary

The following Cost Summary is supported by a general graphical timeline for the three project phases: Planning, Implementation, and Evaluation and Deliverables (Figure 3).

### Planning

1. Task 1: Recruit and hire Mantle staff and students.
   1. Subcontracts: N/A
   2. Man hours: 500
   3. Consumables: N/A
   4. Total Cost: $500,000
2. Task 2: Mantle kickoff meeting.
   1. Subcontracts: N/A
   2. Man hours: 1500
   3. Consumables: N/A
   4. Total Cost: $100,000
3. Task 3: Construct research, security, and management plans.
   1. Subcontracts: N/A
   2. Man hours: 5000
   3. Consumables: $5000
   4. Total Cost: $750,000
4. Task 4: User advisory group meetings.
   1. Subcontracts: N/A
   2. Man hours: 540
   3. Consumables: N/A
   4. Total Cost: $150,000
5. Task 5: Develop communication and marketing strategy.
   1. Subcontracts: N/A
   2. Man hours: 1000
   3. Consumables: N/A
   4. Total Cost: $50,000

### Implementation

1. Task 6: Develop application.
   1. Subcontracts: $1,105,073
   2. Man hours: 30,000
   3. Consumables: N/A
   4. Total Cost: $2,575,419
2. Task 7: Project management meetings.
   1. Subcontracts: N/A
   2. Man hours: 1000
   3. Consumables: N/A
   4. Total Cost: $151,830
3. Task 8: Mantle launch event.
   1. Subcontracts: N/A
   2. Man hours: 500
   3. Consumables: N/A
   4. Total Cost: $150,000
4. Task 9: Mantle trainings and workshops
   1. Subcontracts: N/A
   2. Man hours: 1000
   3. Consumables: N/A
   4. Total Cost: $50,000
5. Task 10: Marketing and Outreach (see Planning, task 5).
   1. Subcontracts: N/A
   2. Man hours: 2000
   3. Consumables: N/A
   4. Total Cost: $100,000

### Evaluation and Deliverables

1. Task 11: Reporting
   1. Subcontracts: N/A
   2. Man hours: 5000
   3. Consumables: N/A
   4. Total Cost: $300,000
2. Task 12: Attend regional, national, and international conferences to share results
   1. Subcontracts: N/A
   2. Man hours: 1000
   3. Consumables: N/A
   4. Total Cost: $100,000
3. Task 13: Analyze user traffic and data uploads
   1. Subcontracts: N/A
   2. Man hours: 3000
   3. Consumables: N/A
   4. Total Cost: $200,000
4. Task 14: Annual audit
   1. Subcontracts: N/A
   2. Man hours: 500
   3. Consumables: N/A
   4. Total Cost: $75,000.60