

Idaho Incubation Fund Program

Progress Report Form

OSP Proposal No. 7855
Name: Gaby Dagher
Name of Institution: Boise State University
Project Title: Malicious Community Extractor (MACE): A Robust Toolkit for Unmasking Criminal Networks
Reporting Period: July 1st, 2017 to December 31st, 2017

Information to be reported in your progress report is as follows (attach additional information as needed):

1. Summary of project accomplishments for the period just completed and plans for the coming reporting period:

1.a Summary of accomplishments

- We completed developing an investigator-centric interface for MACE that is optimized for how investigators intend to use the MACE toolkit.
- We designed the test cases for testing the MACE toolkit, and we are at the final stage of executing the quality assurance plan to thoroughly test the MACE toolkit, including the new user interface.

1.b Plans for next reporting period [Jan. 1st, 2018 - June 30th, 2018]

- To complete the execution of the quality assurance plan.
- To benchmark the MACE toolkit's performance against existing state-of-the art cyber forensic tools.
- To Beta-Test the MACE toolkit to evaluate usability, ensure functionality and to validate accuracy.
- To start marketing the MACE toolkit to cybersecurity companies and to law enforcement agencies at the local, state, and federal levels.

2. Summary of budget expenditures for the period just completed (include project burn rate):

See attached file: [MACE_Mid-year_Financials.xlsx](#)

3. Numbers of students participated in the project so far:

2 – Graduate

3 – Undergraduate

4. List technology licenses signed and start-up businesses created.

None yet.

5. Any other pertinent information that will indicate to the council that the project is meeting satisfactory progress.

We will soon submit for publication a manuscript on the current stage of the MACE toolkit.