Project Overview

- Establishing a state-of-the-art Insurance Industry Information Sharing and Analysis Organization (ISAO) to help close the cyber insurance gap

- Delivering state-of-the-art cyber risk management insights:
  - Capabilities similar to CIDAR
  - Anonymous sharing of cyber insurance data (e.g., claims data)
  - Analysis geared towards significantly advancing the availability and affordability of cyber insurance

Approach

- Capability Gap Addressed: nation-wide cyber incident data sharing and analysis to provide insights specific to the risk management industry
  - Stakeholder group
  - Cyber Incident Data Repository (largely following the requirements and recommendations identified by the CIDAWG)
  - Cyber Risk Management Analysis (both cyber incident and cyber insurance data)
  - Self-Sustainable Business Model

Testing, Evaluation, and Validation

- Seek stakeholder feedback on requirements for insurance industry information sharing and analysis organization.

- Identify technical state-of-the-art techniques for collecting and analyzing cyber incident data to gain insights for cyber insurance.

- Identify a sustainable business model for insurance industry information sharing and analysis organization.

Milestones and Accomplishments

- Butler Business Consulting Group (BBCG) Market Research
- Research Team Identified
  - David Nicol
  - Lynne McChristian
  - Sachin Shetty
  - Jana Diesner
- Support from DHS Stakeholder
- Discovery Partners Institute (DPI) proposal submitted

Project Impact

- Reported gap in uninsured cyber assets of as much as $166 billion by 2019

- Major obstacle for insurers ==> information asymmetry that currently exists between them and the insureds

- Difficulties understanding and accurately perceiving their own risk exposure

- Improving cyber risk assessment is important for the cyber insurance market from the points of view of both vendors and consumers of the insurance

Transition Plans

- Recommend governance structure for I2-ISAO that would be acceptable to all participants

- Recommend industry costing structure model necessary to sustain the program upon completion of the seed funding

- Research task will also address business processes and due diligence relating to IP and confidentiality. CIRI will lead this effort in collaboration with the Office of Risk Management and Insurance Research (ORMIR), University of Illinois at Urbana-Champaign.

Backup Slides

Transition Plans