Technology Transfer to Practice in Cyber Security Workshop

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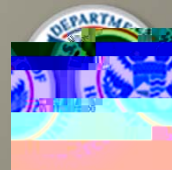


The Goal

- The core problem is that “...that there remains a body of interesting security work that *could* be part of tech transfer, but isn't.” - Anita Nikolich
- What can we do to:
  - Get more NSF Funded projects into the TTP Pipeline?
  - Help NSF Funded Projects that enter the TTP Pipeline to be successful?

Underlying Premise & Question

- NSF does not want to fundamentally change the types of projects that they fund, i.e., they are happy with the distribution of basic-applied research
- Are there ways to change the way projects are solicited, funded, and managed that can lead to a higher TTP impact?

A Model for Assessing NSF TTP

- The NSF Project Pipeline
- The TTP Pipeline
- A set of Interventions

NSF

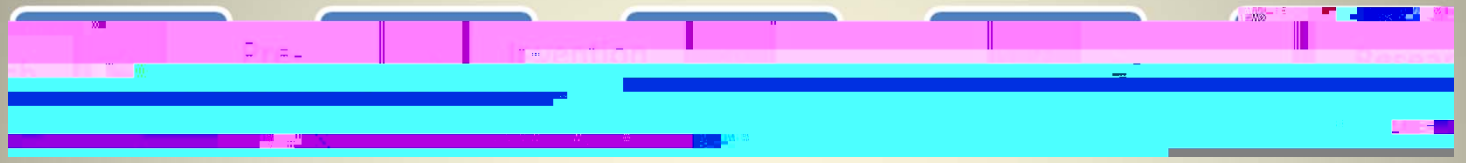
USA

A Few Project Pipeline Interventions

- TTP Process
  - Promotion
  - Networking
  - Financial incentives
  - Patent funding
  -
- PI
  - Familiarization
  - Training
- Post performance

The TTP Pipeline

- Generic



- Dynamic Market

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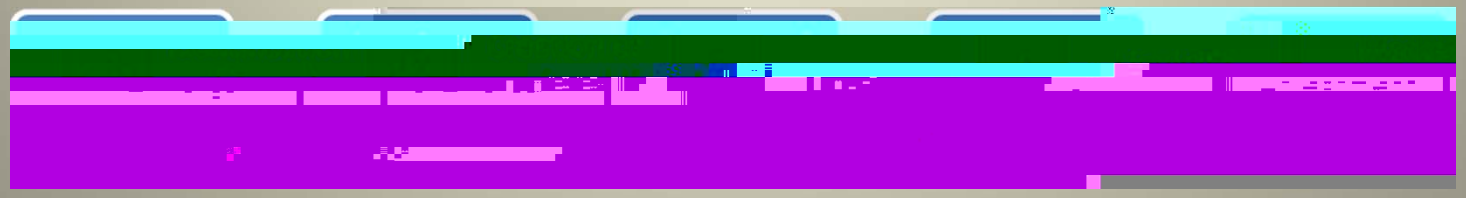
- Open source

- Mature market



Summary

- The goal is to get NSF projects into and out of the TTP Pipeline
- We consider some types of interventions and when they may be applied in the NSF Project Pipeline

Questions?