



# CIO Update

## B&O Advisory Committee

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# Topics

- CIOag Affairs
- Facility Security
- Security and Privacy
- Applications and Infrastructure
- eAuthentication
- Knowledge Management



# CIOag Affairs

- CIO Advisory Group *aka*  
IT Resource Allocation Board
- Scope: NSF-wide IT resources
  - IRM, OPP, other
- Responsibilities:
  - Enterprise Architecture
  - Capital Planning and Investment Control



# Facility Security

- FacSec working group of program officers and others working to improve ITsec at NSF large facilities
- Recently held 3<sup>rd</sup> “Facility Security Summit” in four years for facility and NSF personnel
- NSF is “different” from other agencies in that we give assistance awards (cooperative agreements) to the research community, not contracts for USG work



# Security and Privacy

- Another congressional A+
- NSF building IT security is in pretty good shape
- OPP has more than a building to worry about
- Privacy is last and this year's hot topic
  - PII, 2-factor remote authentication, encryption of mobile data, expiration of data
- Trusted Internet Connections



# Applications and Infrastructure

- Apps: Reviewer Management, Research.gov (2<sup>nd</sup> gen FastLane+eJacket), new Financial System
- New Infrastructure:
  - External Hosting
  - Service Oriented Architecture (SOA)
- Is Cloud Computing next?



# eAuthentication

- e-Gov e-Auth has slowed down
- Academic InCommon has speeded up
- NSF has already piloted accessing FastLane with university credentials
- Will university/research credentials for NSF facilities be next?



# Knowledge Management

- KM advisory team has “studied” KM for some years and has supported the acquisition of collaborative tools
  - Groove, SharePoint
- (We all) need better tools for and mobility between personal info/knowledge, working group i/k, organizational i/k, and world i/k





## In conclusion,

- As with many other organizations, IT at NSF has moved from tactical importance to strategic importance
- IT will probably continue its hard-to-predict morphing into the future (mainframe to pc to Internet to cloud (?) to ??)
- Our goal remains to provide the best IT support for NSF's mission of finding and supporting the best S&E R&E projects