Setting Expectations
Acknowledgements
The Five Essentials

To Be:

- Open
- Aware
- Truthful
- Connected
- Committed
An Enterprise View of the Research Portfolio

Identify-Plan-Develop-Implement-Fund-Evaluate Outcomes and Research Opportunities
Points to Consider

- eRA is funded to provide a core transaction system for grants and the base system to analyze all funded research projects funded by grants, contracts, and by the intramural program.

- The current eRA vision is not an integrated enterprise solution for NIH or the Department.

- OPDIVs and NIH need to examine the return on investment and the potential of making eRA an integrated solution.
How Research Initiatives Move Forward
(a patchwork view)

- Initiative planning and development
  - IC’s systems

- Implement
  - eRA is the transaction system for receipt, review, award, and administer grants
  - ICs – pay lists, workflow, routing, documenting intermediate steps not currently in eRA

- Evaluate
  - eRA multiple tools to evaluate data for all funded research projects grants, contracts and intramural programs at NIH
  - IC-specific systems use eRA data (downloads or shared tables) for scientific coding and other analysis
Launching a Research Effort

Initiate concepts and initiative development:

- **Recommend and approve:**
  - Extramural Community, Branch, Division, IC, Council
- **Integration with future year budget planning**
- **Implementation**
  - Tie budget changes from formulation
  - PA, RFA, RFC document generation
- **Evaluation**
Launching a Research Effort

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## Launching a Research Effort

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The eRA Core (Receipt Through Award Transaction Modules)

**eRA External View** (Commons)
- Commons Registration
- Electronic Competitive Grants Application Process (e-CGAP)*
  - Status – Application Received
- Internet Assisted Review
  - Status – Priority Scores
  - Status – Summary Statements

**eRA Internal View** (IMPAC II)
- Receipt & Referral
- Committee Management
- Scanning
- IC Operations
- Electronic Council Book
- CD Ordering
- Peer Review
- Summary Statement Generation
- IC Operations
- Grants Management
- Grants Payment Management

* Yellow = Modules in Development

21 Framework Modules
The eRA Core (Post-Award Transaction Modules)

**eRA External View (Commons)**
- Status – Notice of Grant Award
- Virtual Organization Layers
- Electronic Streamlined Non-Competing Application Process (eSNAP)
- Electronic Non-Competing Application Process (e-NAP)*
- Financial Status Reports (FSR)
- iEdison

**eRA Internal View (IMPAC II)**
- Virtual Organization Layers
- IC Operations
- Grants Management
- Grants Payment Management
- Population Tracking
- Program Module
- Grants Closeout
- iEdison

* Yellow = Modules in Development

21 Framework Modules
The eRA Core (Aggregate Processing, Reporting Tools)

**eRA External View** (Commons)

- Virtual Organization Layers
- Web QT
- Administrative Modules

**eRA Internal View** (IMPAC II)

- Virtual Organization Layers
- Web QT Layers
- QVR

* Yellow = Modules in Development

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**eRA External View** (The Public View)

- CRISP on the Web

A subset of the data will be made available to the public and they will have use of the Web QT tool

Web QT Layers

* Yellow = Modules in Development
eRA Modules

IMPAC II

- Committee Management
- CRISP Plus
  - Scientific Reporting Module
- IC Operations
  - Program Management Interface
- Electronic Council Book
- Grants Payment Management
- Grants Management
- Grants Closeout System
- Paperless Business Practices (Scanning)
- Population Tracking
- Receipt & Referral
- Reporting Databases & Tools
  - QuickView
  - Grants Payment Reporting Module
  - QVR
  - J2EE Query Tool
- Peer Review
  - Summary Statement Generation
    - Internet Assisted Review
- CD Ordering
- SITS
- Trainee Activities
- User Administration Module
- X-Train
- Electronic 901s
  - Workflow Architecture

NIH eRA Commons

- Commons Base System
  - Accounts Administration
  - Profiles (IPF and PPF)
- X-Train and Status (Commons v.1 modules)
- Status System
- eSNAP
  - CGAP
- FSR System
- iEdison
- CRISP on the Web

Background Modules

- ICE – IC Extensions. APIs.
- Common Mailers (will be merged into e-Notification)
- Batch Assignment Module for POs, PCCs, GMOs, GSs
- J2EE Base System (formerly the “framework modules”)
- Status Code Computation Module
- Type 5 Processing
  - Type 4, 6, 7 Processing

Shared Modules

- Person Data
- Grant Folder
- Grant Update Module (GUM)
- Subproject Maintenance Module
- ICSTORe
- Edit Checker
- eRA Notifications and Mailers
- Customizable Checklists

= Still in Development
Points to Consider

We are missing critical opportunities to:

- Leverage the DHHS consolidation to add other transaction process or information needed by multiple OPDIVs
  - A contract management system that uses the same receipt, review, and committee management modules already in place
  - Adverse event reporting, OLAW, protocol management, State Dept clearances, etc.
  - Adopting key personnel and co-PI standard terms for use across intramural and extramural

- Integrate business intelligence/knowledge discovery tools to:
  - Improve, quality, efficiency, decision support
  - Analyze all research projects for gaps, redundancies, and emerging
Your Work Today is Critical

- The choices will be tough
- Additional requirements coming from on high
- Lack of clarity for OPDIVs developing data marts between the different systems that will be in use
- Budget pressures on NIH will mean additional scrutiny
The Five Essentials

To Be:

- Open
- Aware
- Truthful
- Connected
- Committed