



Commons Working Group

Update for September

Slide from June Update

Project Priorities

- ◆ Shut down of IMPAC 1
- ◆ Keep the Commons on schedule to meet public law 106-107
- ◆ Migrate to new architecture (J2EE)
 - ❖ Single login
- ◆ Data Quality
- ◆ Stable, secure system for NIH
- ◆ Minor improvements on the legacy IMPAC II system

eRA Project System Update

- Health of the Project
- Achieving Priorities
 - **IMPAC I Shutdown**
 - **eRA Commons**
 - **Status**
 - **E-Snap**
- SBIR Awards
- Project Team Retreat

Health of the Project

Slide from May 2002 Presentation

Priorities for the Project

- Shut Down IMPAC 1
- Develop IMPAC II functionality needed to achieve the shut down of IMPAC 1
- Keep the commons on schedule
- Focus any new development on the migration to J2EE
 - **Group advocates to work with their communities to help look at BPR of the module into a more integrated process and system**
- Finish FY01 requirements that are still in progress
- Existing modules and components will be given some resources to meet their needs.
 - **Scaling back to 3 releases**
 - **Architect, Analysts, Group Advocate, Development**

9/17/2002

3

Health of the Project

Slide from May 2002 Presentation

Any Future Development

- Must fit into the integrated architectural plan for the project.
- Must follow the project management plan.

eRA Modules In Production Plans for 2003

QVR/ECB/CAM Part of eRA

Receipt, Referral & Assignment	Electronic Council Book
Committee Management	Training Activities
Scientific Peer Review	QVR
Grants Management	Program Portal
Budget Module	CRISP Plus
DEA Module	Power View
	Quick View
	Program Module
	Pop Tracking

Commons Modules

CRISP on the Web	I-Edison
PI - Status	Institute Reports
E- SNAP	E-NAP
E-Single Project Grants (R's)	Grants Close Out
X-Train	E-Complex Project Grants (P,T,U)
Event Reports	Transaction System

ICstore-Grant Folder-GUM- People- RAE- API-UA

Registration Acct. Admin
Inst. Profile Prof. Profile



Shared Modules

In Production

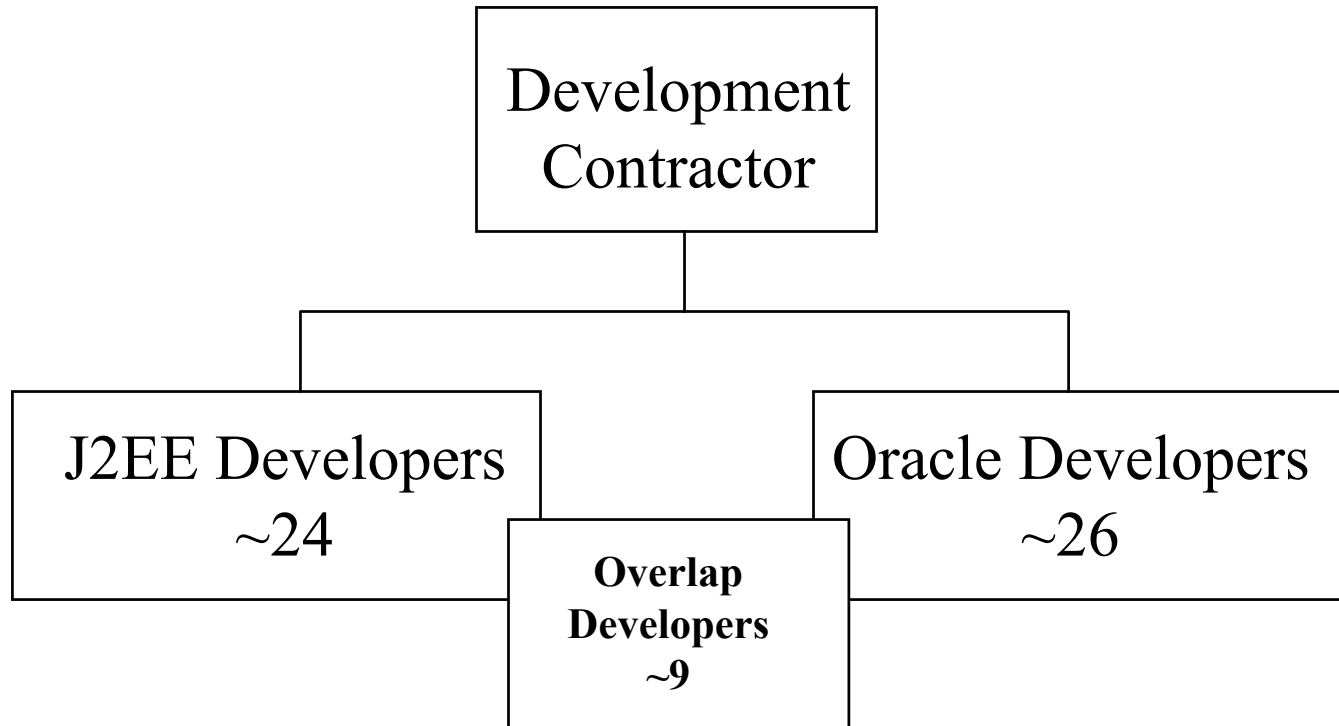
In Production – J2EE

In Analysis or Development

Development Dilemma

- Matching adequate resources to each development effort
- Deliver when promised
- Provide functionality user requested

Development Resources



** Information provided by Contractor

Old architecture

Oracle

- Grants Payment Module
- Grants Management
- Person Module
- ICSTORE
- Receipt and Referral
- SITS
- X-Train
- Type 4, 6, 7
- Population Tracking
- ECB
- QVR

~20% to 30%
reduction in scope

J2EE Development Goals

- E-SNAP
 - Financial Status Report
- } Minimal reduction in scope

- CM Fast Track
 - Internet Assisted Review
 - E-Notification
 - Program Portal
- } Reduction in Scope

- GM Closeout – Maintenance
- IM Module – Maintenance

- I-Edison – delay full integration

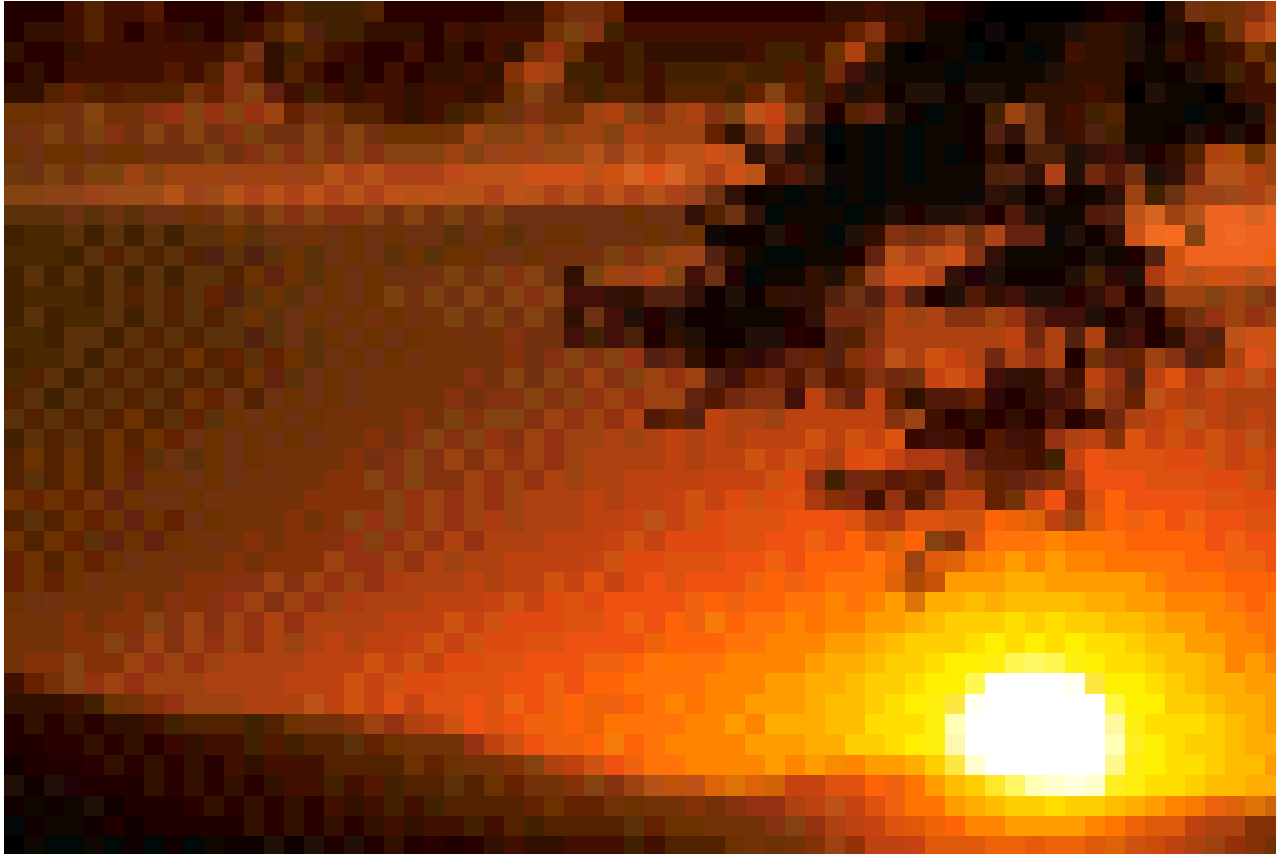
IMPACT of Cost and Schedule

- Deployments delivered in May had a positive impact:
 - **Grant Close Out Module**
 - **Population Tracking**
 - **Peer Review**
 - **QVR enhancements**
 - **Others**
- Users concerned about longer time between deployments
- Less functionality (about 20–30% across all modules) being delivered
- Rumor control
- Potential loss of momentum
- Shaking out of management and resources within the project:
 - **Cut Budgets for NGIT and RN solutions**
 - **Changes in NGIT Management Structure**
 - **Changes in eRA Management Structure**

eRA Project System Update Moving Forward

- Health of the Project
- Achieving Priorities
 - **IMPAC I Shutdown**
 - **eRA Commons**
 - **Status**
 - **E-Snap**
- SBIR Awards
- Project Team Retreat

IMPAC I Will Sunset Officially November 4, 2002



IMPAC I Shutdown: Key Points

- Keeping with plans announced last year
- For FY 2003 application records, IMPAC II will replace IMPAC I as the system of record
- Extensive analysis performed to ensure all functionality *of which we are aware* has been incorporated
 - **May not be aware of some remaining functionality built into IC extension systems**

Benefits of the Shutdown

- Streamlined maintenance of IMPAC II and lower cost to NIH
- Elimination of data-quality issues associated with forward and reverse bridges
- Opportunity to redefine business processes constrained by outdated legacy system
- Fewer limitations in IMPAC II (i.e., 6-digit serial numbers, IPF numbers)
- A psychological turn

eRA Commons - Update

- **Tim Twomey appointed:**
 - **Lead for all commons activities**
 - **Task manager responsible for all Commons implementation and deployment activities**

The screenshot shows the NIH eRA Commons website. At the top left is the NIH logo. The main header reads "NATIONAL INSTITUTE OF HEALTH eRA Commons". On the right, a user is logged in as "admin1" with the institution "NATIONAL INSTITUTES OF HEALTH" and authority "NCAA". A "Logout" link is visible. Below the header is a navigation bar with links: Home, Administration, Institution Profile, Status, X-Train, Links, Help. A "Register Institution" link is also present. The main content area is titled "Commons Home". On the left, there is a sidebar with "About the Commons" and links for Scope and Purpose, Frequently Asked Questions, Grantee Organization Registration, and ERA Contacts. In the center, there are logos for Commons, NIH eRA, and IMPAC II. On the right, a "System Notification" box contains two items: "1. Release 1.4.2 of version 1.4.1 has been released." and "2. The communication interface". Below this, a "What's New" section titled "The Commons" announces the release of NIH Commons Version 2.0, stating it is open to all institutions previously registered on the NIH Commons and that profile information will be migrated. It also lists enhancements for Version 2.0, including a redesigned user interface, an admin module, and integration with X-Train. At the bottom, there are links for "About NIH", "Employment Opportunities", "Visitor Information", "Contact Us", "Privacy Notice", "Disclaimer", and "Accessibility". Copyright information for 2002 NIH and a screen ID "COM0001" are also present.

NATIONAL INSTITUTE OF HEALTH
eRA Commons

Welcome admin1
Institution: NATIONAL INSTITUTES OF HEALTH
Authority: NCAA
Logout

Home | Administration | Institution Profile | Status | X-Train | Links | Help
Register Institution

Commons Home

About the Commons

- ▶ [Scope and Purpose](#)
- ▶ [Frequently Asked Questions](#)
- ▶ [Grantee Organization Registration](#)
- ▶ [ERA Contacts](#)

System Notification

1. Release 1.4.2 of version 1.4.1 has been released.
2. The communication interface

What's New in The Commons

NIH Commons Version 2.0 is now released. Version 2.0 is open to all institutions previously registered on the NIH Commons. All profile and account information that was provided by grantee institutions for registration on Commons Version 1.0 will remain unchanged and will be migrated to the Version 2.0 system. Institutions that are registered in Version 1.0 are asked to verify that institutional and professional profiles are up-to-date.

Version 2.0 will include a redesigned user interface with improved performance and Version 2.0 feature the following enhancements: Admin module for maintaining institutional profile information, Status module and integration with X-Train interface.

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[[Contact Us](#) | [Privacy Notice](#) | [Disclaimer](#) | [Accessibility](#)]
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Screen Rendered: 05/17/2002 03:27:10 EDT Screen Id:COM0001

Benefits Once a PI Registers

- Single Point of Ownership “data quality”
- PI access via “Status Screen” to:
 - **Review pending applications**
 - **Find contact information for Grants Management and Program Official related to each application**
 - **Link to Study Section rosters**
 - **Link to any application whose reviews are pending**
 - **View Notice of Grant Award (NGA)**
 - **View Summary Statements and scores**
 - **View a pre-populated Type-5 face page**

Will Your IC Take Maximum Benefit ?

Examples:

- **By this time next year will you need to:**
 - **have snap out mailers and other types of notification from CSR?**
 - **mail out summary statements?**
 - **Send pre or post-council letters**
 - **Route progress reports sequentially for approval**
 - **Have paper relative to progress reports submission and review by program staff**

eRA Commons

Roll Out

- **Schedule:**
 - **August - Initial pilot**
 - **September - Pilot with CWG**
 - **October - Production with CWG**
 - **November –**
 - **Production with 185 institutions ~ 60% of the NIH grant portfolio**
 - **Later open registration**

Roll Out Progress Report & More

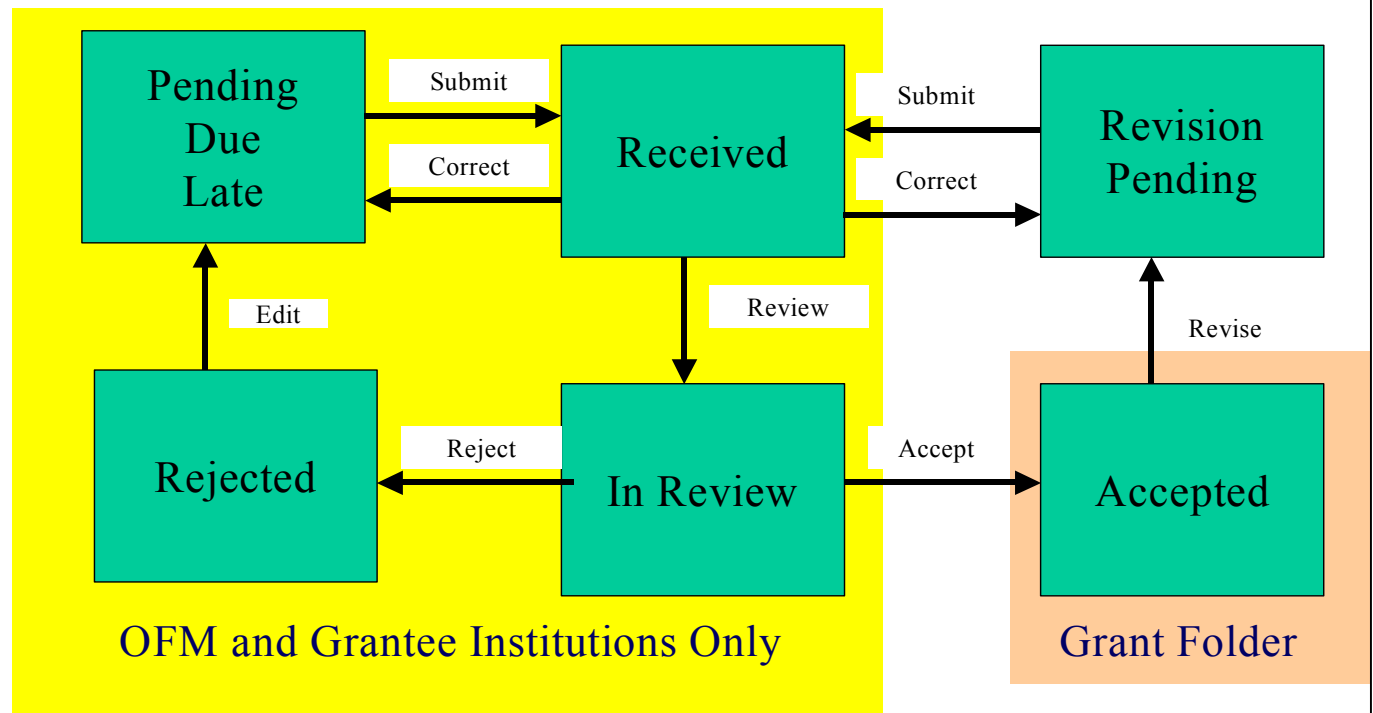
● Schedule:

- **August—Initial pilot**
- **September—Pilot with CWG**
- **October—Production with CWG**
- **November—**
 - **Production with 185 institutions ~ 60% of the NIH grant portfolio**
 - **Later open registration**
- **November—January launch pilots:**
 - **eFinancial Status Report (eFSR)**
 - **Internet Assisted Peer Review (IAR)**
 - **Program Portal**
 - **Committee Management Membership (fast track)**
 - **eSNAP**

Expectations from the Pilots:

- E-Financial Status Report (eFSR-C)
 - OFM will be able to accept FSRs using the same system.
 - FSR accepted by OFM will be generated and stored in grant folder FSR

FSR Workflow



Expectations from the Pilots:

- E-Financial Status Report (eFSR-C)
 - **OFM will be able to accept FSRs using the same system.**
 - **FSR accepted by OFM will be generated and stored in grant folder FSR**
- Internet Assisted Peer Review (NIAID System & More - C)
 - **Pre-meeting submission of critiques & preliminary scores**
 - **Pre-meeting availability of critiques submitted by other Reviewers**
 - **SRA ability to designate applications as lower half**
 - **Automatic creation of pre-summary statement body in Word document for SRAs and GTAs**
 - **Will contain critiques sorted in order of assignment priority**
 - **SRA and GTA ability to designate a meeting, assign Reviewers, and define and manage Review phase dates (Submit, Read, Edit)**
- Committee Management Fast Track (NIH only)
 - **Meeting set-up and maintenance activities**
 - **Roster set-up and maintenance activities**
 - **Pilot ICs for the CM Fast Track are: NIMH, NIAID, CSR, NCI, NHLBI & NIGMS**
- Program Portal (NIH only - November)
 - **Architecture framework necessary to support all aspects of the portal.**
 - **Pre-Submission Tab and the General Resources Tab, which will provide information links to various resources in a central repository.**
- eSNAP - C

e-SNAP Release 1:

- Submission 45 days prior to anniversary
- No abstract
- Submission of Research Accomplishment
- Delegation of Submission to PI
- Reconfiguration of e-SNAP questions
- Presentation of Personnel Data Page
- PPF, IPF, Routing Similar to V. 1.0

e-SNAP Release 1

What does it mean for NIH staff?

- Accounts for 85% of work associated with application renewal processing
- Streamlines “end-to-end” workflow by integrating electronic information
- Stored in the Grant Folder; accessed via IMPAC II
- ICs have opportunity to re-evaluate internal business practices
- IC use of ICO and GM to maximize the benefit or IC extension systems using the functionality in ICO

eRA Project System Update Moving Forward

- Health of the Project
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 - **IMPAC I Shutdown**
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- **SBIR Awards**
- **Project Team Retreat**

SBIR – Commons - Partners

- 18 applications received
- 6 applications will be awarded for a total of \$2.5 million.

SBIR – Commons – Partners

● Thanks to the IC's willing to contribute:

- **Ken Warren, NIAA; Louise Ramm, NCRR; Susan Streufert, NICHD; Robert Kalt, NCI; John McGowan, NIAID**

● **Management Structure**

- **Amy Swain, NCRR, Program Officer**
- **Tim Twomey, Jerry St...**

	Amount
...ents to GAMS to Include ...e NIH Commons	\$361,991
...oftware Package with ...rol of Profiles	\$295,478
...mission/Response ...ia NIH Portal	\$422,389
...d others ...RA Scalable ...Grants Administration	\$409,584
...ion eRA: Portable ...ntainers	\$498,308
...Submission of NIH Grant ...s	\$499,153

Partners Not Limited to Funded SBIR's

Business-Government Strategic Partners Sought by NIH

The National Institutes of Health (NIH) is seeking to enter into strategic partnership arrangements with one or more organizations to undertake a major development effort for the electronic processing of grants at NIH.

The NIH [eRA-SBIR](#) promotional efforts for the electronic submission of grant applications will be expanded to include organizations that wish to develop applications and services without NIH financial support. NIH will work cooperatively with your organization and will offer certification for products/services that meet compatibility requirements ([see data standards](#)). In addition to public service and paid promotion, NIH is interested in establishing a partnership program with providers of approved eRA software solutions, and in forging agreements with the private sector to develop software, which will enable the NIH grantee community to participate in grants business processes electronically.

NIH seeks only those organizations with the extraordinary qualifications and experience required for such a vast undertaking. The National Institutes of Health plans extensive communications with potential business partners including a Public Briefing. The NIH invites all interested organizations to participate in the Public Briefing to be arranged on **(insert date)**, at the **(insert location)**, starting at 9:00 a.m. to 5:00 p.m. You may call Jerry Stuck on (301) 435-0690 for additional information.

- **Data standards:** NIH intends to follow an XML DTD format, which has been described for grant applications and notice of grant awards. NIH intends to certify software that is in compliance with these standards only. Potential partners are encouraged to review the [data requirements](#) for this initiative.
- **Individual Technical Conferences:** Qualified organizations, which meet or exceed the eligibility criteria set forth above, are encouraged to call Jerry Stuck at (301) 435-0690, to arrange individual technical conferences with the NIH. There are no prohibitions with respect to the subject areas to be discussed including the communication strategy. The NIH would make available its senior technical and business management personnel to facilitate the discussions.
- **Written Comments:** Qualified and interested organizations are encouraged to provide written comments concerning all elements of this announcement. Please provide these comments by email to Jerry Stuck at js706d@nih.gov.

Potential partners must submit clear and convincing documentation that demonstrates their capability to satisfy the NIH's requirements. Potential partners responding to this announcement must submit the following:

● Agencies, foundations, for profits, not for profits.

eRA Project Team Retreat

- October 10–11, 2002
- Some topics identified for discussion:
 - **E-Grants (Charlie Havekost)**
 - **Cross-Cutting Business Functionality (Project Team)**
 - **Oracle 9iAS Wireless Technology (Sharon Maher)**
 - **Knowledge Management (Doug Lenat)**
 - **DHHS Architecture Update (Jack Jones)**
 - **NBRSS Integration with eRA (Jack Jones)**
 - **Discussion of upcoming contract re-competition (Project Team)**

eRA Systems Integration

- External to eRA
 - **NBRSS**
 - **ECMS**
 - **Loan Repayment**

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- oftware ...
- AMC Go...
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- ltaVista ...
- merican ...
- ny-Day-i...
- rcadePo...
- RMADA
- areerHe...
- ELLS alive!
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- nkSoun...



NIH Loan Repayment Programs

[About the Programs](#) [Apply Here](#) [Log In](#) [Contact Us](#)

[Search](#) [LRP Home](#) [NIH Home](#)

About the Programs

Apply Here

Log In

Contact Us

NIH offers loan repayment programs to intramural (NIH employees) and extramural (grantees and awardees) investigators.



(!) [Click here to receive information on the next application cycle.](#) (listserv)

Extramural Programs

- ▶ [Clinical Research Loan Repayment Program](#)
- ▶ [Clinical Research LRP for Individuals from Disadvantaged Backgrounds](#)
- ▶ [Contraception and Infertility Research Loan Repayment Program](#)
- ▶ [Health Disparities Loan Repayment Program](#)
- ▶ [Pediatric Research Loan Repayment Program](#)

Intramural Programs

- ▶ [ACGME-Loan Repayment Program](#)
- ▶ [AIDS Research Loan Repayment Program](#)
- ▶ [Clinical Research LRP for Individuals from Disadvantaged Backgrounds](#)
- ▶ [General Research Loan Repayment Program](#)

NEWS & ANNOUNCEMENTS

Applicants to the Clinical Research and Pediatric Research LRPs will be advised of funding decisions between June - September, 2002.

Applicants to the Health Disparities LRP and Clinical Research LRP for Individuals from Disadvantaged Backgrounds will be advised of their funding decisions between September - October, 2002.

Applications are open for all Intramural programs.

RESOURCE LINKS

- ▶ [NIH Extramural Grants and Awards](#)
- ▶ [NIH Intramural Clinical Training Opportunities](#)
- ▶ [NIH Intramural Research Training Opportunities](#)
- ▶ [NIH Intramural Post-doctoral Positions](#)

Loan Repayment Program Tethered with eRA



LRP application by OLR

Paper or e-copy transferred to CSR and eRA

CSR creates an IMPAC II record via R&R and assigns to an IC

IC's can view application, swap, reassign as appropriate

IC's can use IMPAC II modules for review, tracking, and to indicate an intent to pay

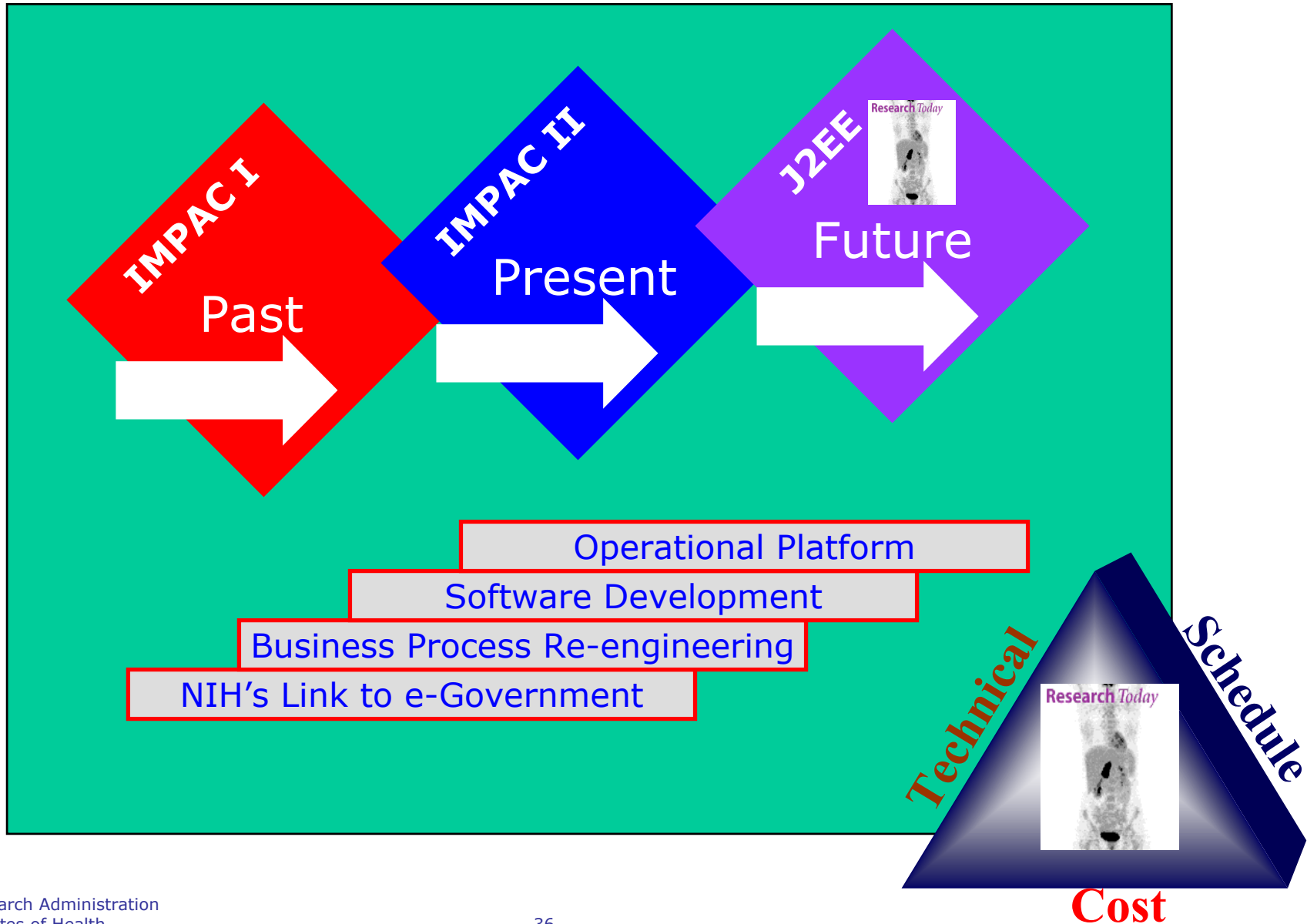
- Analysts Sara Silver (eRA) and Mike Pollard (OLR) will work with Suzanne Fisher to see what must be done in R&R to accommodate LRP applications.

Integration of IMPAC II and LRP:

- Initiative has conceptually been agreed upon by eRA and OLR
- Cost and technical issues being closely examined
- eRA can not pay for this (tentatively agreed to come from the LRP)
- It will cause a diversion of some technical resources to make it happen

eRA Budget

eRA is an Evolving Project



eRA Budget Evolution

- **FY 1999**
 - **\$15 Million per year allocated for eRA**
- **FY 2000**
 - **Business case developed to increase funding to \$34 Million per year**
 - **Initial 5 year financial plan established**
- **FY 2001**
 - **Developed initial cost model (Martha Pine)**
 - **Began first baseline year of the 5 year plan in FY 01**
 - **Funding received May 2001 and project funding built out on priorities based on a May to May cycle.**

From EPMC Feb. Update

Budget As Originally Submitted FY2000

System/Project Name	FY2001	FY 2002	FY 2003	FY2004	FY2005	FY 2006	Total
eRA Contingency Fund [non-add item]							0
eRA Development/Enhancement	16,620	17,530	16,030	14,830	14,680	14,680	94,370
IMPACII & Commons Operations & Maint.	14,168	14,997	16,798	17,801	18,620	19,940	102,324
Total- ERA w/o IMPACI Oper. & Maint.	30,788	32,527	32,828	32,631	33,300	34,620	196,694
IMPACI Operations & Maintenance	3,452	3,123	1,572	1,069	750	0	9,966
Electronic Research Administration (eRA)	34,240	35,650	34,400	33,700	34,050	34,620	206,660

Caution needs to be expressed about being held to an original budget projection three years ago without knowing the additional requirements that have been placed on the project.

Independent Monitoring

- Cost audit/model developed (FY 2000)
- Established a Planning Evaluation Office (FY 2000)
- *Denali*—Short-term assessment (May 2001)
 - **Good return on investment**
- *SOZA*—Long-term, IV&V contract (July 2001)
 - **Assess, monitor, and validate cost & schedule**
 - **Re-evaluate project risks periodically**



2002 eRA Budget Drivers

● FY 2002

- **New Resource Tracking Model implemented**
- **Cost and planning disciplines established**
- **May 2002 marked the first full year of tracking actual dollars spent against the resource tracking model**
 - **We now have a good baseline for needs**
- **Lifecycle redesign strategy changes to enterprise architectural model**
- **Priorities:**
 - **Shut down of IMPAC 1**
 - **Keep the Commons on schedule to meet public law 106-107**
 - **Migrate to new architecture (J2EE)**
 - **Single login**
 - **Data Quality**
 - **Stable, secure system for NIH**
 - **Minor improvements on the legacy IMPAC II system**

eRA Project Funding

Class/Cost Category	Estimated Contractor Staff Budget	Estimated Gov't Staff Budget	Other ODCs Budget	Total
3. eRA Project Mgmt	\$ 1,512,247	\$ 539,756	\$ 2,194,000	\$ 4,246,003
4. Architecture	\$ 1,725,069	\$ 12,451	\$ 0	\$ 1,737,520
5. Outreach and Communications	\$ 1,421,170	\$ 389,222	\$ 175,000	\$ 1,985,392
6. User Support & Operations	\$ 1,434,003	\$ 1,003,185	\$ 57,574	\$ 2,494,762
7. Quality Assurance & Configuration Control	\$ 5,379,631	\$ 1,169,825	\$ 0	\$ 6,549,456
8. Technical Infrastructure	\$ 3,908,464	\$ 291,758	\$ 4,480,720	\$ 8,680,942
9. System Analysis, Design, Estimation, Development	\$ 7,911,431	\$ 1,794,494	\$ 0	\$ 9,705,925

\$35,400,000.00

eRA Planning and Tracking Cost Tool

1

User Community



3

eRA Project Management	
Budget –	\$ 4,246,003
Contractor Support	\$ 1,512,247
FTE's	539,756
ODC's	2,194,000

6

User Support and Operations	
Budget –	\$ 2,494,762
Contractor Support	\$ 1,434,003
FTE's	1,003,185
ODC's	57,574

5

Communications and Outreach	
Budget –	\$ 1,985,392
Contractor Support	\$ 1,421,170
FTE's	389,222
ODC's	175,000

4

Architecture	
Budget –	\$ 1,737,520
Contractor Support	\$ 1,725,069
FTE's	12,451
ODC's	0

7

Quality Assurance & Configuration Control	
Budget –	\$ 6,549,456
Contractor Support	\$ 5,379,631
FTE's	1,169,825
ODC's	0

9

Application Design, Estimation, Maintenance and Development				
9a	Budget – \$ 2,581,287		9b	Budget – \$ 432,220
	Contractor Support	\$ 1,900,647	Contractor Support	\$ 313,232
	FTE's	680,640	FTE's	118,988
	ODC's	0	ODC's	0
9c	Budget - \$6,692,418			
	Budget	Contracting Support	FTE's	ODC's
Major Enhancements	\$3,529,174	3,197,552	331,622	0
Minor Enhancements	\$1,581,622	1,250,000	331,622	0
Maintenance	\$1,581,622	1,250,000	331,622	0

8

Technology Infrastructure	
Budget –	\$ 8,680,942
Contractor Support	\$ 3,908,464
FTE's	291,758
ODC's	4,480,720

eRA FY02 Priorities

Initiative	FY\$ 2002 \$ Required	FY 2002 \$ Funded
IMPAC I Sunset	\$ 492,898	\$ 492,898
Migration to J2EE	\$10,398,000	\$4,105,646
Commons Rollout	\$ 939,691	\$ 939,691
E-SNAP	\$ 1,266,315	\$1,266,315
Enhancements / Maintenance	\$ 2,901,375	\$2,901,375
Totals	\$15,998,279	\$9,705,925

Shortfall of ~ 6.3 million
Requesting ~ 4.9 million

Why the Delta Has Changed

- J2EE migration not part of the original cost estimates in FY 00. Those were based on oracle forms with an unknown costs for the new technology for the Commons.
- Did not know we would be paying for rent out of project funds.
- Many aspects of the project are ahead of schedule including need of additional hardware and licensing
- We are successful ~ 2,400 out of 2,800 users are using the system daily. 700 concurrent users at any point in time.

Why the Delta Has Changed

- Users seeing what's possible beginning to do things in different ways = iterative BPR-changes in system.
- To minimize risk we are doing additional documentation of the system before the recompetition next year.
- Stem cells tracking system
- Links to the Loan Repayment Program
- Scanning legacy files
- Changes in Congressional mandates
- Human subject requirements
- Transaction systems to replace email and other methods of correspondence
- Others just not possible at this time:
 - **IC Coding System – new, standardized data structure for ICs**
 - **New knowledge discovery tools**

What Are We Asking/Doing

- Cutting costs were possible.
- We don't want to cut scope or delay the migration
- Looking at options:
 - 1. Change budget cycle-use 2 years of money for 03**
 - **Instead of 02 monies going to may projecting out to see if 02 and 03 monies can be used to get the project to November of 04.**
 - **An increase in funding in 04 will be needed to sustain the project.**
 - 2. Request an increase for 03**
 - 3. Request use of any contingency funds that might be available.**

Thanks for Your Time

- Questions
- Comments
- Feedback
- All welcomed