

# Management and Sharing of Research Information through ResearchNet

<http://ResearchNet.org>

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# Content

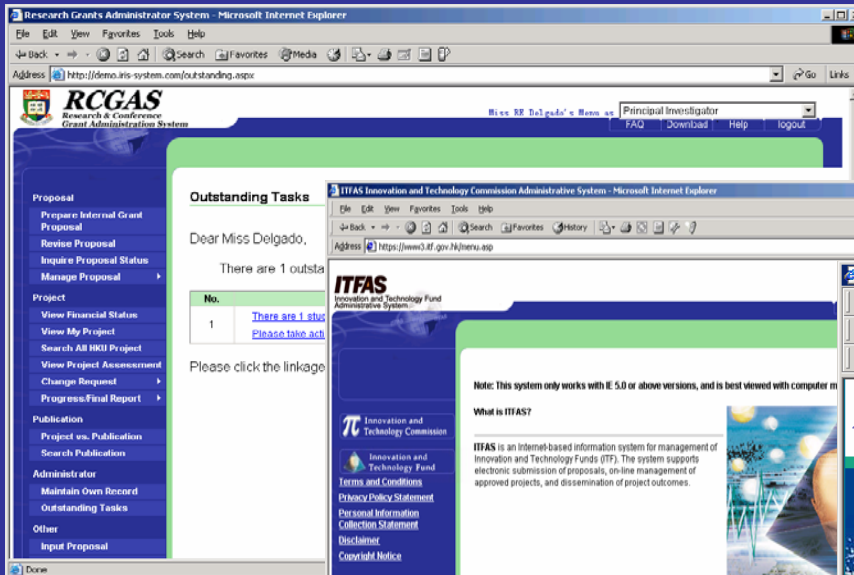
- Background
- Objectives of the Project
- Architecture of the ResearchNet
- Advantages
- Summary

# Background

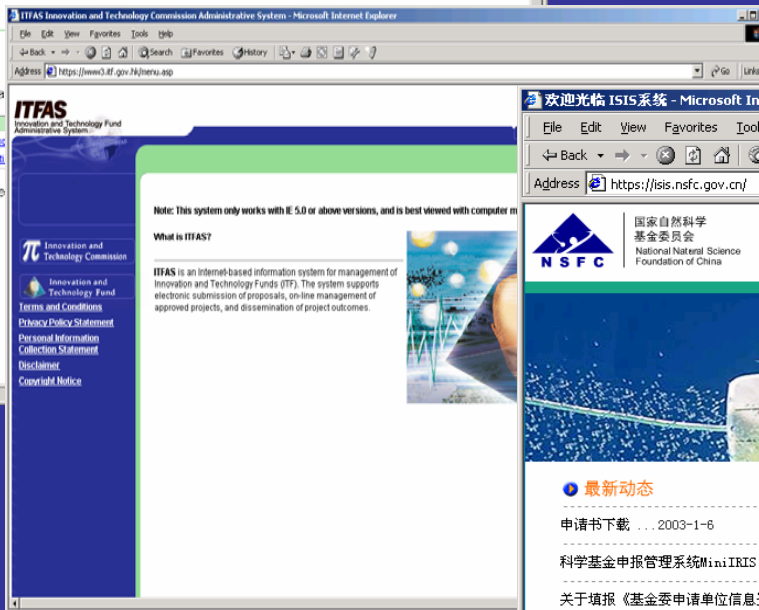
- Current Research Information Systems (CRISs) have been developed and used in
  - Government funding agencies:
    - ITFAS (<http://itf.gov.hk>) at Innovation and Technology Commission (ITC) of Hong Kong SAR Government
    - ISIS (<http://isis.nsfc.gov.cn>) at National Natural Science Foundation of China (NSFC)
  - Universities/Research institutions:
    - IRIS at City University of Hong Kong
    - RCGAS at the University of Hong Kong
    - MiniIRIS/IRIS at over 1,700 universities/research institutions in mainland China
- There is an urgent need for sharing and exchange of research information among funding agencies and research institutions

# Current Research Information System (CRIS)

MiniIRIS/IRIS has been used by over 1,700 universities since 2002.



The University of Hong Kong (HKU)



Innovation and Technology Commission (ITC), HKSAR  
<http://itf.gov.hk>

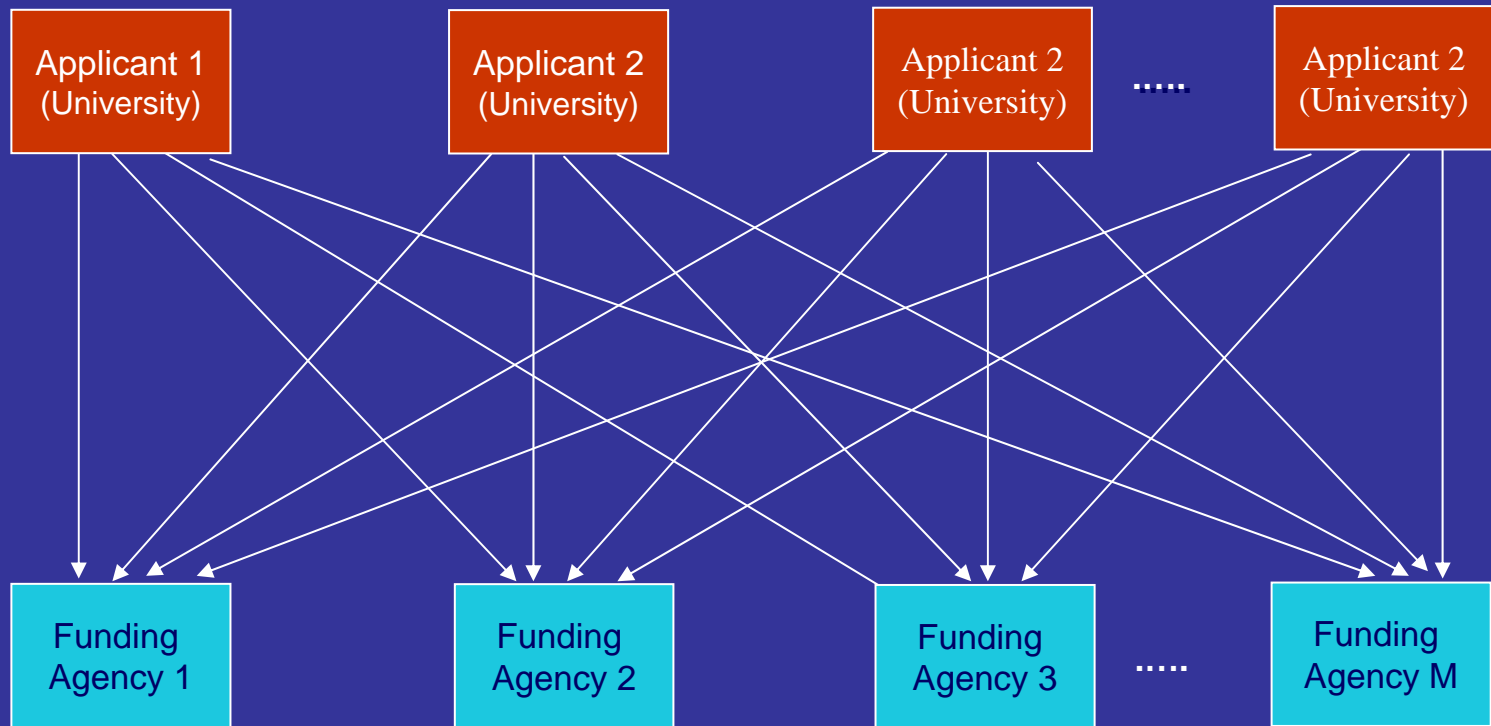


National Natural Science Foundation of China (NSFC) <http://isis.nsf.gov.cn>

# Problems with Existing CRISs

- CRISs are developed in individual organizations
  - Isolated systems result in the difficulties of information exchange
  - Repeated data entry results in data inconsistency problems
- Research information can hardly be shared and disseminated to the public
- Scientists have to follow different standards for writing research proposals

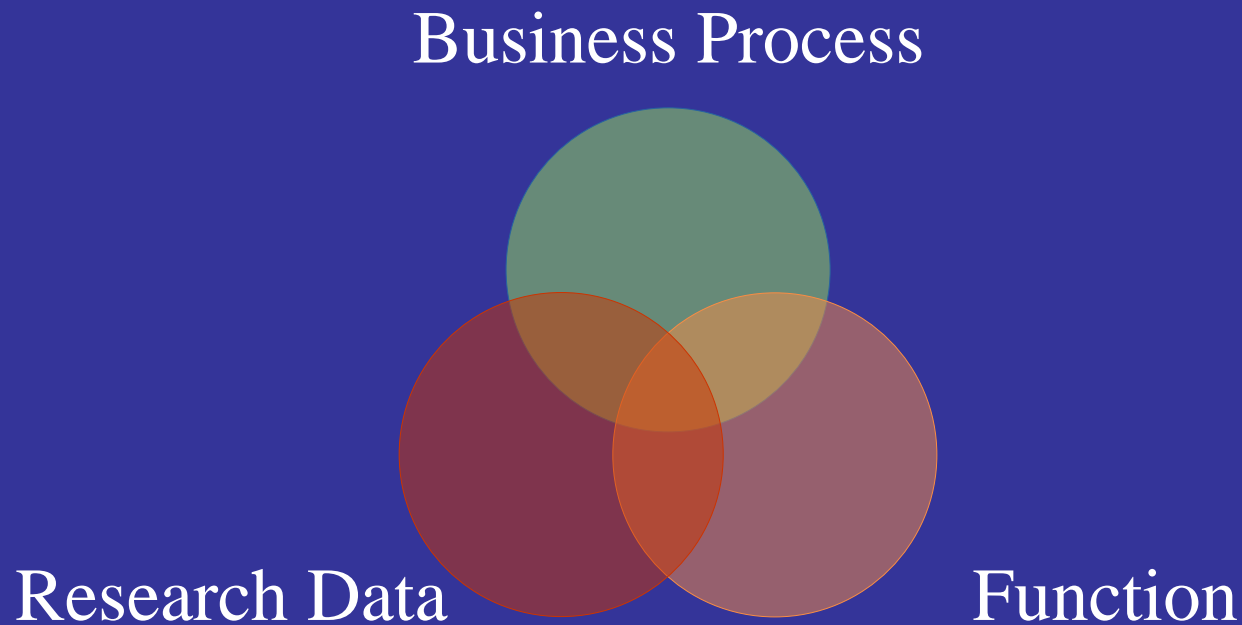
# Need for Sharing and Exchange of Research Information



# Objectives of the Project

- To design standards for research information exchange using XML and Web Services
- To develop a research information exchange platform (<http://ResearchNet.org>):
  - Information exchange among universities and funding agencies
  - Information retrieval and sharing by public
- To promote the sharing and exchange of research information among funding agencies and research institutions

# Key Elements of Research Information





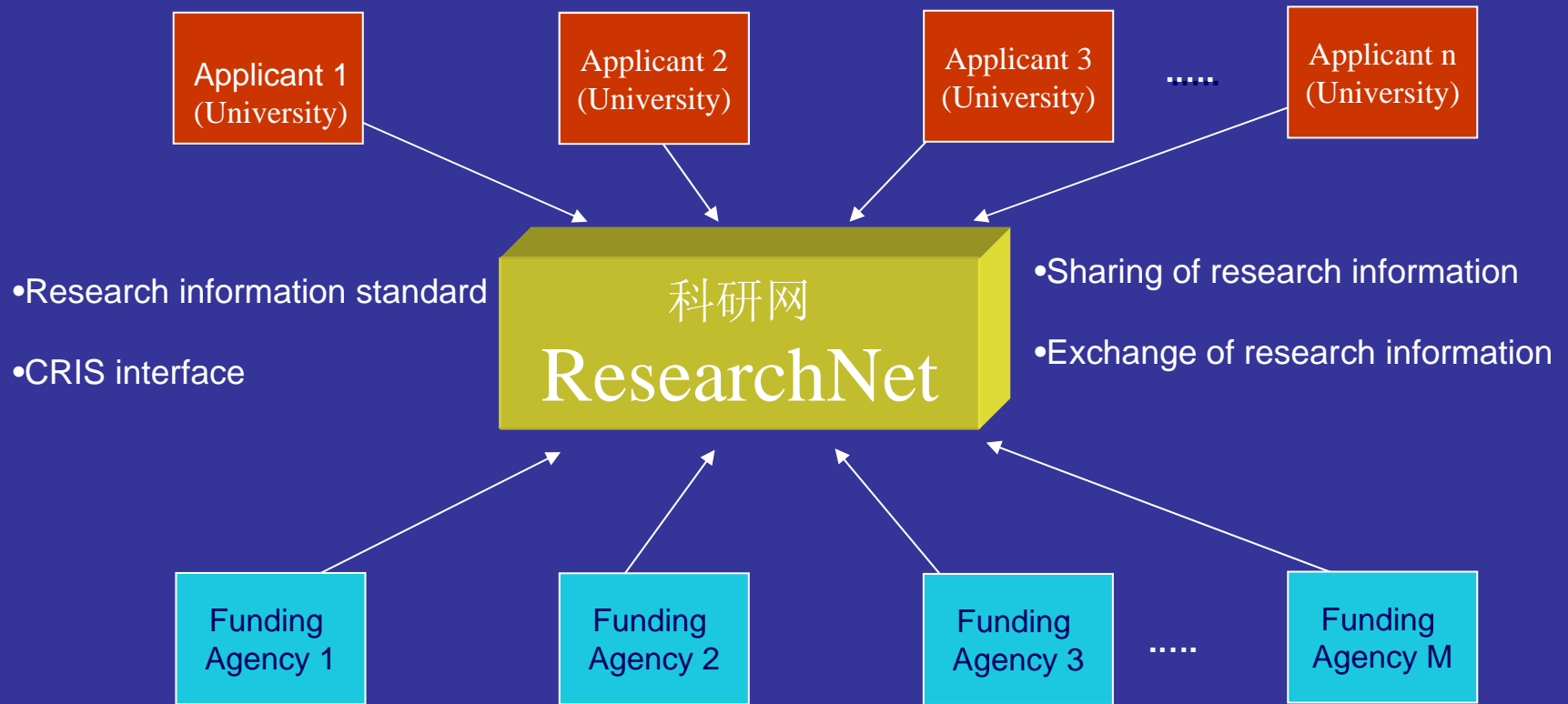
# Sharing of Research Data

- Design XML standards for research data
  - Researchers
  - Research institutions
  - Research projects
  - Publication
  - Funding opportunities

# Sharing of Functions

- Set up Web Services standards for CRIS functions
  - Announcement of funding opportunities
  - Proposal review
  - Project search
  - Project statistics
  - Check duplication

# ResearchNet: A Platform for Sharing and Exchange of Research Information



**Creates a Win-Win situation for scientists, research institutions and funding agencies**

# Main Functions

- Exchange of Research Data
  - Grant access rights
  - Extract research data from reliable sources
- Sharing of Research Information
  - Project search
  - Search for funding opportunities
  - Search for research outputs
  - Search for researchers
  - Search for research institutions
  - Email alert

# Interfaces of ResearchNet.org

The screenshot shows the ResearchNet.org website in a Microsoft Internet Explorer browser window. The address bar displays the URL: [http://egrant.cn/E-GRANTAPPSERVER\\_WEBPORTAL/index.aspx](http://egrant.cn/E-GRANTAPPSERVER_WEBPORTAL/index.aspx). The page features a navigation menu with links for Home, Project, Publication, Organization, Researcher, Administration, and Email Alert. A search bar is located below the navigation menu, with a search button and radio buttons for filtering by Project, Funding, Publication, Organization, and Researcher. The main content area is divided into several sections:

- ResearchNet**: A sidebar menu with links for About ResearchNet, Online Security, About Us, and Contact Us.
- Funding Agencies**: A sidebar menu with links for National Natural Science Foundation of China, Ministry of Science & Technology, Ministry of Education, Ministry of Information Industry, and Innovation and Technology Commission.
- What's the ResearchNet?**: A section with the URL [www.researchnet.org](http://www.researchnet.org) and a description: "ResearchNet is a portal and a platform for exchange and sharing of research information among participating organizations." It includes an image of a globe with research icons.
- Hot News**: A section with the URL [www.researchnet.org](http://www.researchnet.org) and a list of news items:
  - China-UK Workshop on Cancer held in Beijing
  - MOU Between NSFC and MRC Signed
  - International Symposium on Ancient Chinaware Held in Shanghai
  - NSFC Key Programs Spot-check Wrapped Up
  - The Space Weather Conference 2005 Held in Macao
  - 2nd Advisory Committee Meeting of the Earth Sciences Department Held
- Services**: A section with the URL [www.researchnet.org](http://www.researchnet.org) and two sub-sections:
  - Services for Individual**:
    - Benefits of becoming an individual member
    - How to become an individual member?
  - Services for Organizational**:
    - Benefits of becoming an organization member
    - How to become an organization member?

The footer of the page contains the copyright notice: "Copyright © 2004, IRIS Systems (Shenzhen) Limited. All Rights Reserved." The browser's status bar at the bottom shows "Done" and "Internet".

# Project Search

ResearchNet.org - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop

Address http://egrant.cn/E-GRANTAPPSERVER\_WEBPORTAL/CombinedQueryProjectForm.aspx Go Links

中文版 繁體版 ENGLISH

ResearchNet.org 科研网 User Name: Password: Logon Register Now

Home Project Publication Organization Researcher Administration Email Alert

Search: Search Project Funding Publication Organization Researcher

Project Search

Agency: ALL	Organization: ? X
Project No.:	Province: ALL
Project Name:	Keyword:
Project Type:	Year:
Researcher Name:	Display Record: 10

Search

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Done Internet

# Search for Funding Opportunities

ResearchNet.org - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Printers

Address http://egrant.cn/E-GRANTAPPSERVER\_WEBPORTAL/fund/jijin.aspx Go Links

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ResearchNet.org 科研网


用户名: 密码: 登录 注册

首页 项目 基金 成果 单位 人员 个人 订阅

快速搜索: 检索 项目 基金 成果 单位 人员

基金

- 国家级基金
  - 国家自然科学基金委员会
  - 科学技术部
  - 教育部
  - 香港创新科技署
  - 更多...
- 省级以下基金



安徽	河南	浙江
北京	湖北	新疆
重庆	湖南	辽宁
福建	江苏	吉林
甘肃	江西	上海
广东	内蒙古	云南
广西	宁夏	陕西
贵州	青海	天津
海南	山东	四川
河北	山西	黑龙江
香港	台湾	澳门

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Internet

# Search for Research Outputs

The screenshot shows a Microsoft Internet Explorer browser window displaying the ResearchNet.org website. The address bar shows the URL: [http://egrant.cn/E-GRANTAPPSERVER\\_WEBPORTAL/outcome/chengguo01.aspx](http://egrant.cn/E-GRANTAPPSERVER_WEBPORTAL/outcome/chengguo01.aspx). The website header includes the ResearchNet.org logo, navigation links for Home, Project, Publication, Organization, Researcher, Administration, and Email Alert, and a search bar. The search bar is currently set to "Publication Search" and has a "Search" button. Below the search bar, there are input fields for "Publication:", "Type: ALL", "Author:", and "Keyword:". A "Search" button is located below these fields. The footer of the page contains the copyright notice: "Copyright © 2004, IRIS Systems (Shenzhen) Limited. All Rights Reserved." The browser's taskbar at the bottom shows the Internet Explorer icon and the address bar.

ResearchNet.org 科研网

User Name:  Password:  Logon Register Now

Home Project **Publication** Organization Researcher Administration Email Alert

Search:  Search  Project  Funding  Publication  Organization  Researcher

Publication Search

Publication:

Type: ALL

Author:

Keyword:

Search

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http://egrant.cn/E-GRANTAPPSERVER\_WEBPORTAL/outcome/chengguo01.aspx# Internet



# Search for Research Organizations

The screenshot shows a Microsoft Internet Explorer browser window displaying the ResearchNet.org website. The address bar shows the URL: [http://egrant.cn/E-GRANTAPPSERVER\\_WEBPORTAL/CombinedQueryCompanyForm.aspx](http://egrant.cn/E-GRANTAPPSERVER_WEBPORTAL/CombinedQueryCompanyForm.aspx). The website header includes the ResearchNet.org logo, navigation links (Home, Project, Publication, Organization, Researcher, Administration, Email Alert), and a search bar. The search results section shows 2 records found, with a table listing the organization names and project counts. The table has columns for No., Organization Name, and Project Count. The first record is Peking University and the second is Institute of High Energy Physics, Academia Sinica. Below the table are pagination controls: First Page, Previous Page, Next Page, Last Page, Jump to page, and Current page: 1/1. A Return button is also present.

Search:    Project  Funding  Publication  Organization  Researcher

Search Result

2 Record(s) were Found:

No.	Organization Name	Project Count
1	<a href="#">Peking University</a>	
2	<a href="#">Institute of High Energy Physics, Academia Sinica</a>	

First Page Previous Page Next Page Last Page Jump to page   Current page: 1/1

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# Search for Researchers

ResearchNet.org - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Stop RSS Feeds

Address [http://egrant.cn/E-GRANTAPPSERVER\\_WEBPORTAL/CombinedQueryPersonForm.aspx](http://egrant.cn/E-GRANTAPPSERVER_WEBPORTAL/CombinedQueryPersonForm.aspx) Go Links

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**ResearchNet.org** 科研网 User Name:  Password:  Logon Register Now

Home Project Publication Organization **Researcher** Administration Email Alert

Search:  Search  Project  Funding  Publication  Organization  Researcher

Researcher Search

Name:

Organization:

Research Area:

Search

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Internet

# Email Alerts

The screenshot shows a Microsoft Internet Explorer browser window displaying the ResearchNet.org website. The address bar shows the URL: [http://egrant.cn/E-GRANTAPPSERVER\\_WEBPORTAL/subscribe/dingyue.aspx](http://egrant.cn/E-GRANTAPPSERVER_WEBPORTAL/subscribe/dingyue.aspx). The website header includes the ResearchNet.org logo, navigation links (Home, Project, Publication, Organization, Researcher, Administration, Email Alert), and a search bar. The main content area is titled "Email Alert" and contains a form for subscribing to email alerts. The form includes a search bar, a "Search" button, and radio buttons for selecting the type of alert: Project, Funding, Publication, Organization, or Researcher. The "Project" option is selected. The form also includes fields for "Keyword", "Deadline" (with a date picker), and "Type" (set to "ALL"). There are "Subscribe" and "Cancel" buttons at the bottom of the form. The footer of the page contains the copyright notice: "Copyright © 2004, IRIS Systems (Shenzhen) Limited. All Rights Reserved."

ResearchNet.org 科研网

User Name:  Password:  Logon Register Now

Home Project Publication Organization Researcher Administration Email Alert

Search:  Search  Project  Funding  Publication  Organization  Researcher

Email Alert

Please tick the items you want, fill in the filter details and then click "Subscribe";

Cancel

Click "Cancel" to cancel all subscribed items

Edit

Please tick the items you have selected, make sure the checkbox is not selected, then the item will be cancelled;

Please tick the items you want to subscribe

1, Project  
Keyword:

2, Funding opportunity  
Keyword:   
Deadline:  /  /  (yyy/mm/dd)

3, Publication  
Keyword:   
Type: ALL

Subscribe Cancel

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# Advantages

- For funding agencies
  - Promotes the standards for grant opportunity announcement
  - Enables the use of off-the-shelf grant management software
  - Encourages the use of best practices within agencies
- For research institutions/scientists
  - Find research information (e.g. projects, researchers, institutions, etc.) from a single source
  - Learn more about available opportunities in a standardized manner, saving time and money

# Summary

- ResearchNet.org is a simple and easy to use software platform
- It enables the exchange and sharing of research information among funding agencies and research institutions
- It provides a single source to find research information and grant opportunities

# Contacts

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