

OASPA's 1st Asian Conference on Open Access Scholarly Publishing

2- 3 June 2014
Shangri-La Hotel, Bangkok, Thailand



Open Access in Singapore

drivers & trends; players & progress

Outline

- Impetus for Open Access in Singapore
- Beginnings and current landscape
- Platforms, deposits, usage
- Policies, mandates, routes
- Obstacles to implementation
- Strategies for adoption



Singapore Basics



Physical Land Area: 715.8 sq km

Population: 5.3 million

3.8 million (71.9%)

Singapore Residents

Literacy Rate: 96.4% (Aged 15 & above)

74.1% of those aged 25-34 years
have tertiary qualifications

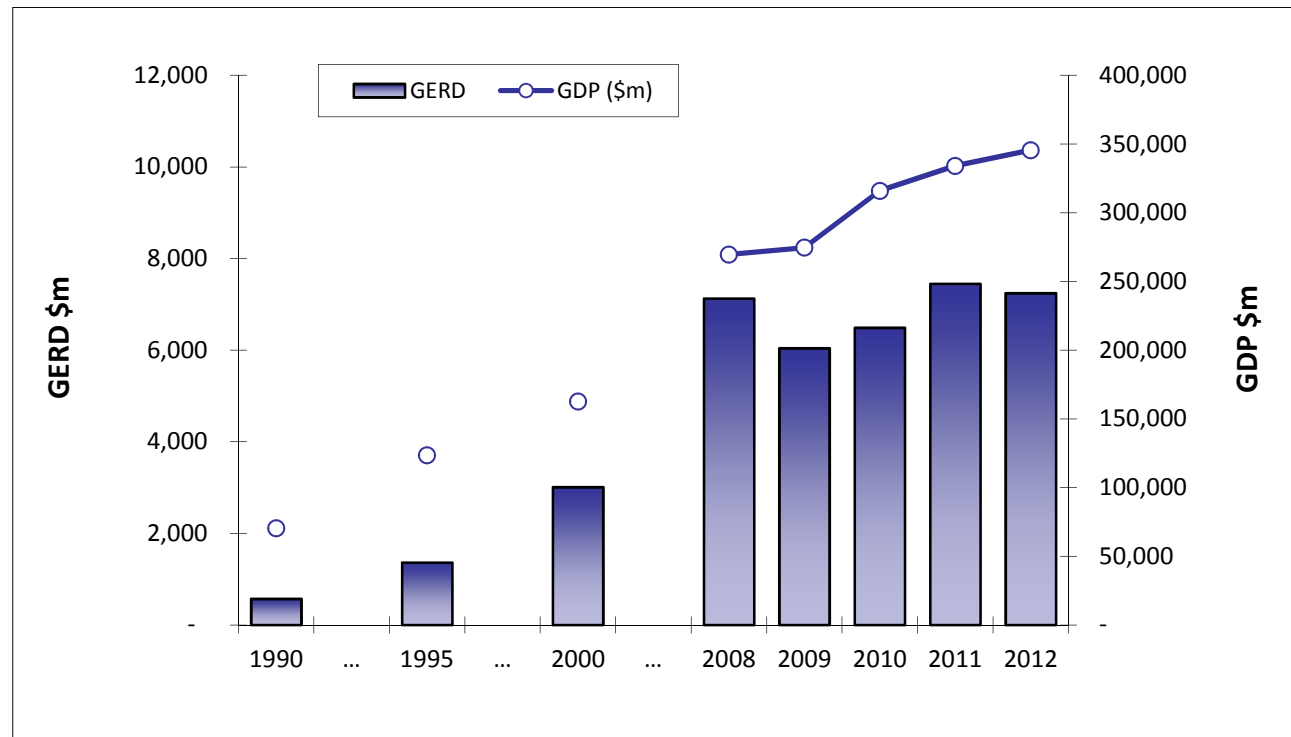
2013 GDP S\$370.1bn (US\$295.7bn)

Real Growth : 4.1%

Per Capita GDP: S\$68,541

(US\$54,776)

Growth of Research Activities in Singapore



Gross Expenditure on R&D and GDP Growth (1990-2012)

Compound annual growth rate 2002 to 2012:

R&D\$ - > 7.8%

Researchers -> 6.2%
(excludes postgrad students)

Source: National Survey of Research and Development in Singapore 2012. Agency for Science, Technology and Research Singapore, Dec 2013. < http://www.a-star.edu.sg/Portals/0/media/RnD_Survey/RnD_2012.pdf>

Institutions Included in this Report

Singapore Universities

- Nanyang Technological University (NTU)
- National University of Singapore (NUS)
- Singapore Management University (SMU)



Singapore Research Funding Agencies

- Agency for Science, Technology and Research (A*STAR)
- National Research Foundation (NRF)



NATIONAL RESEARCH FOUNDATION
PRIME MINISTER'S OFFICE
SINGAPORE

Research . Innovation . Enterprise

Singapore OA Beginnings

2007 – Discussions beginning at universities

2008 – First requests from faculty for APC funding

2009 – First institutional repository

2011 – First university open access mandate/policy

2013 – First funder open access policy adopted

(following Obama administration OSTP memorandum)

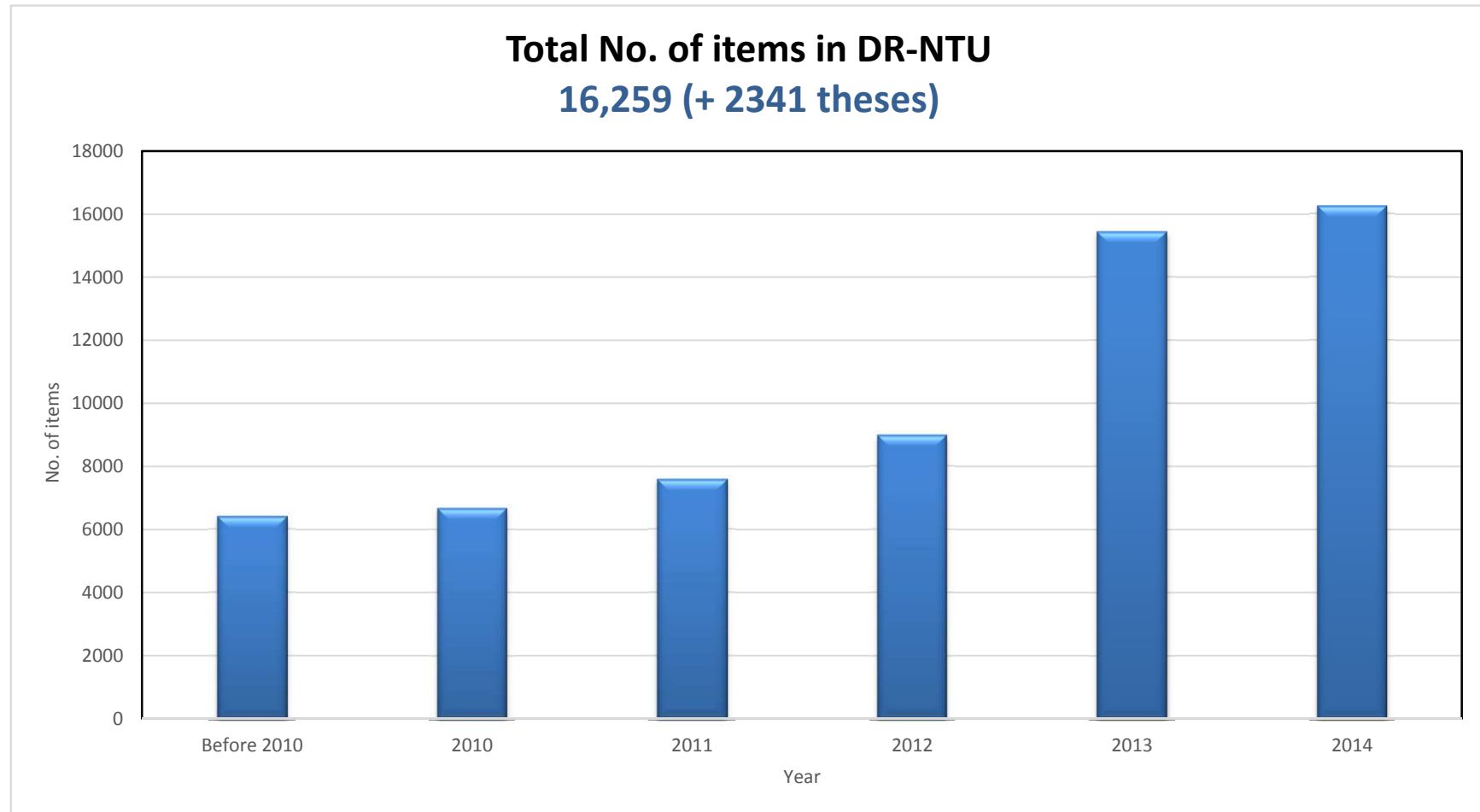
Institutional Repositories

IR	Platform	Content Types
DR-NTU (Digital Repository-NTU)	Dspace (Open Source)	articles, conference papers, theses, books, book chapters, commentaries, selected student research papers/posters, working papers, briefs, teaching cases
ScholarBank@NUS	Dspace (Open Source)	articles, conference papers, editorials, patents, reviews, sound recordings, theses, video recordings
InK (Institutional Knowledge at SMU)	BePress (Hosted Solution)	articles, conference papers, books, book chapters, reports, working papers, magazines, dissertations, theses, teaching cases, videos, transcripts, photos
A*OAR (A*STAR Open Access Repository)	Dspace (Open Source)	articles, conference proceedings

Repository “Items”

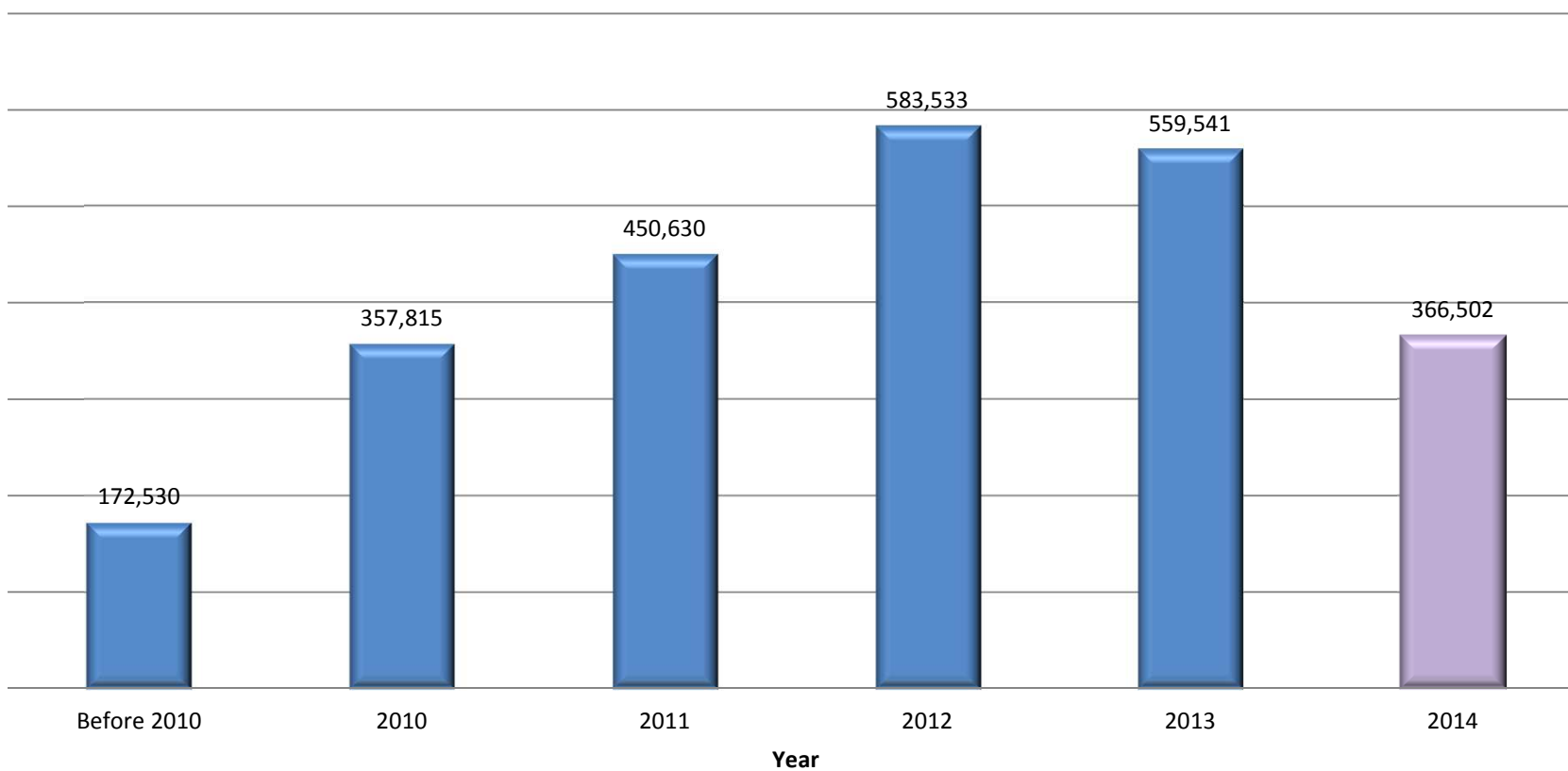
- Institutional repositories have more than one purpose
 - To capture and showcase the research output of the institution
 - To provide open access articles, theses, etc.
- As such, repositories can be a combination of citation only (metadata) and full text
- Statistics from repositories must be considered with this in mind – not all items are OA full text

DR-NTU - Items



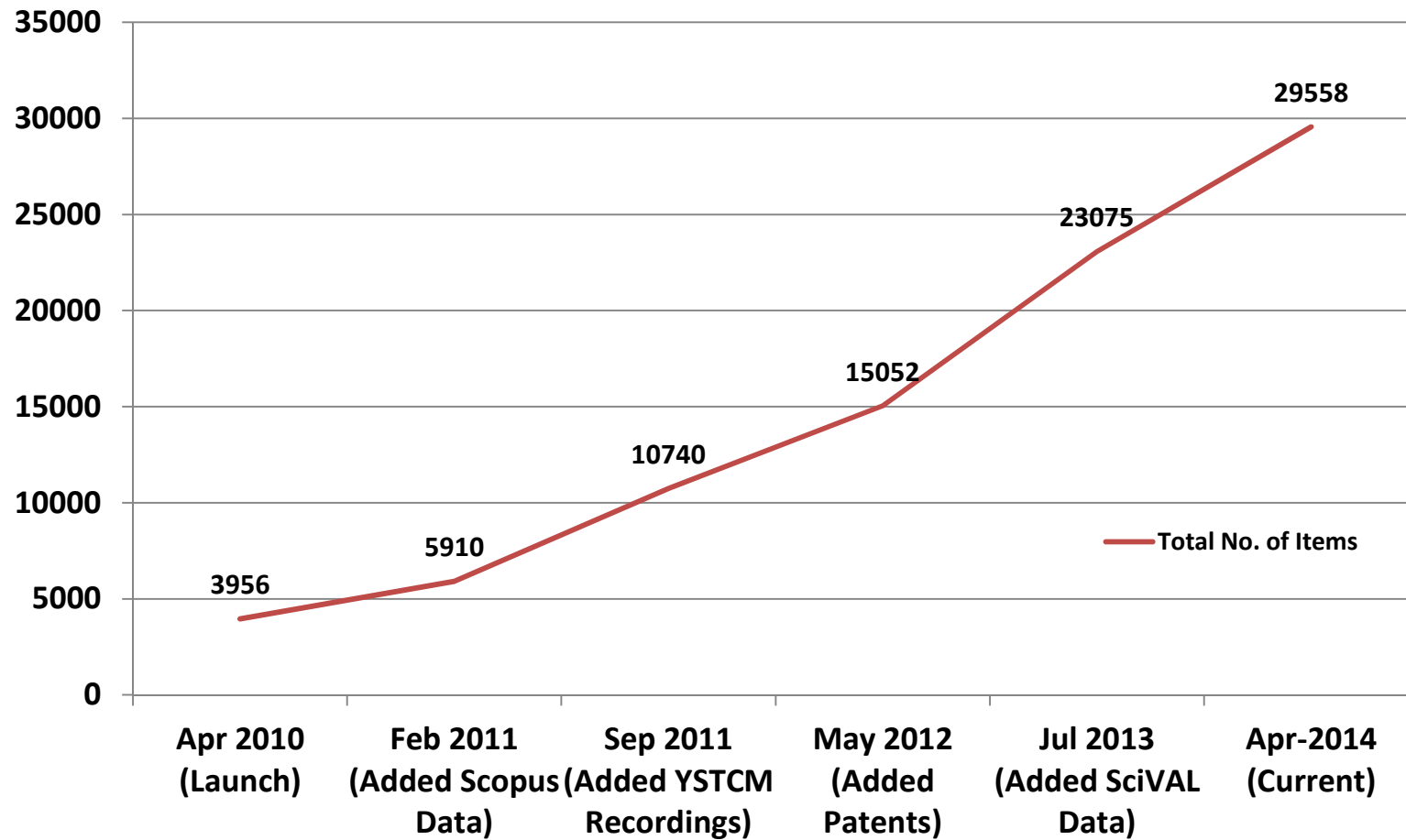
DR-NTU - Usage

DR-NTU Full-text downloads **2,490,551** total



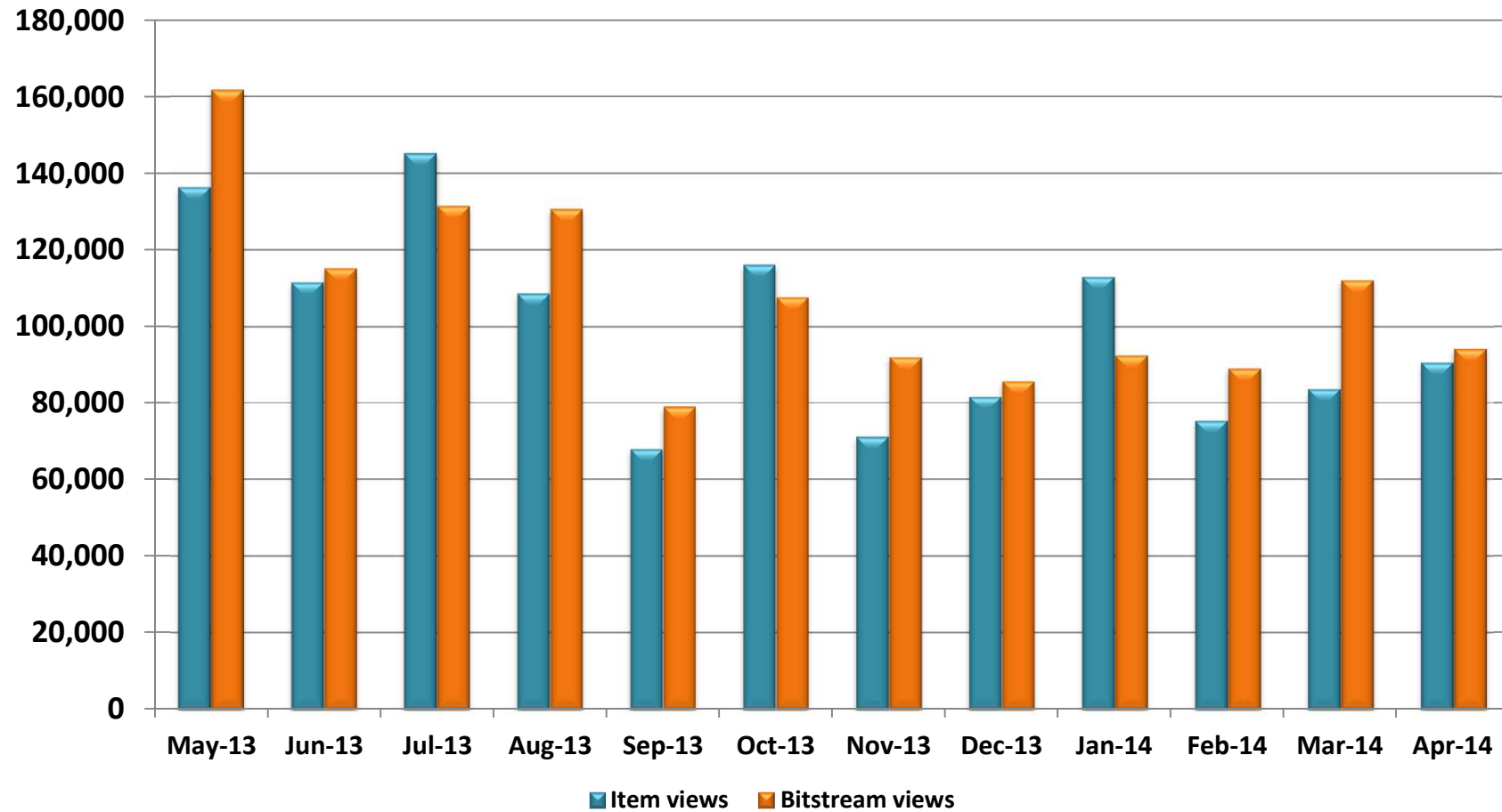
ScholarBank@NUS - Deposits

Total No. of Items



ScholarBank@NUS - Usage

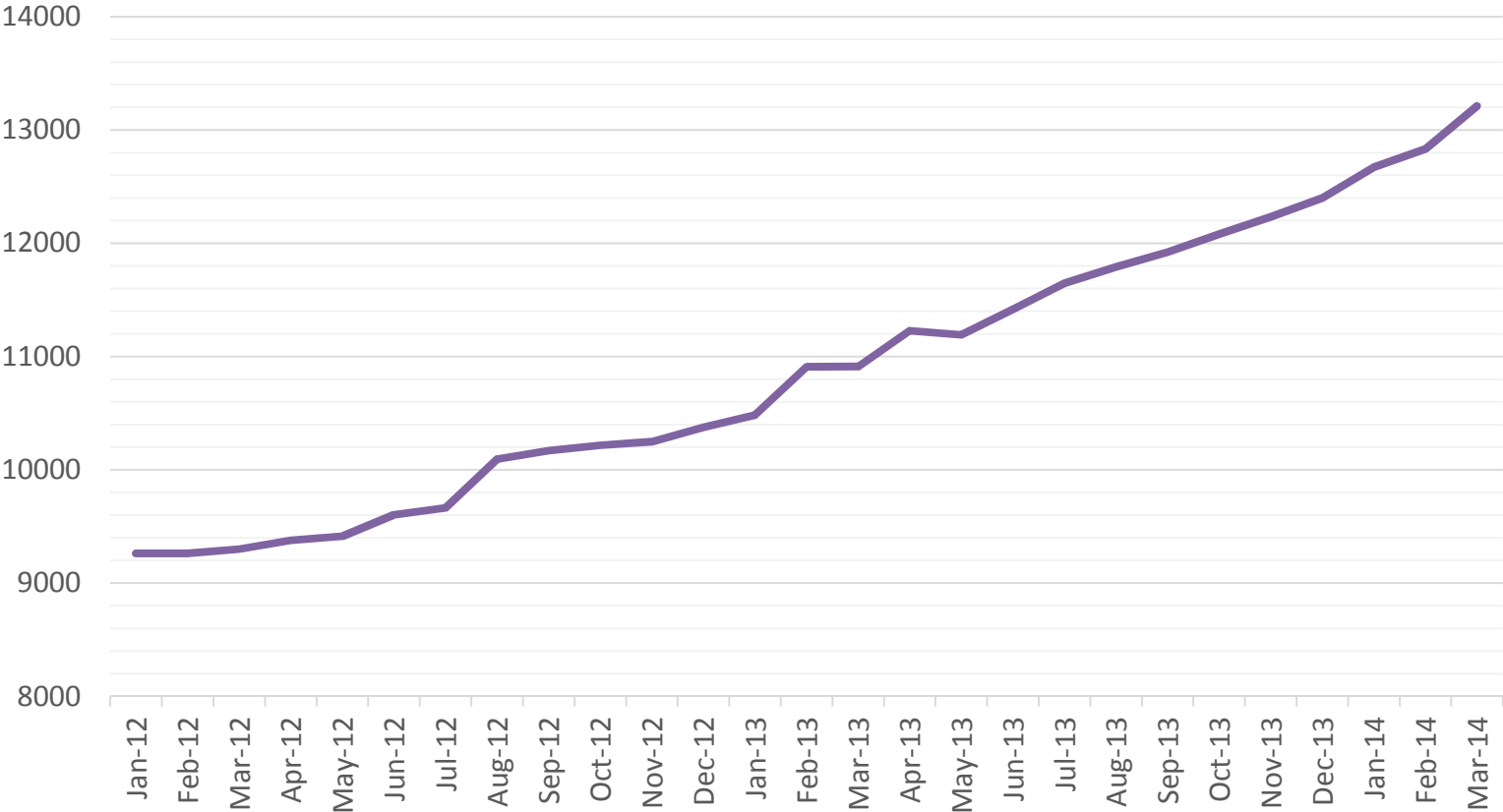
Views



SMU InK - Items

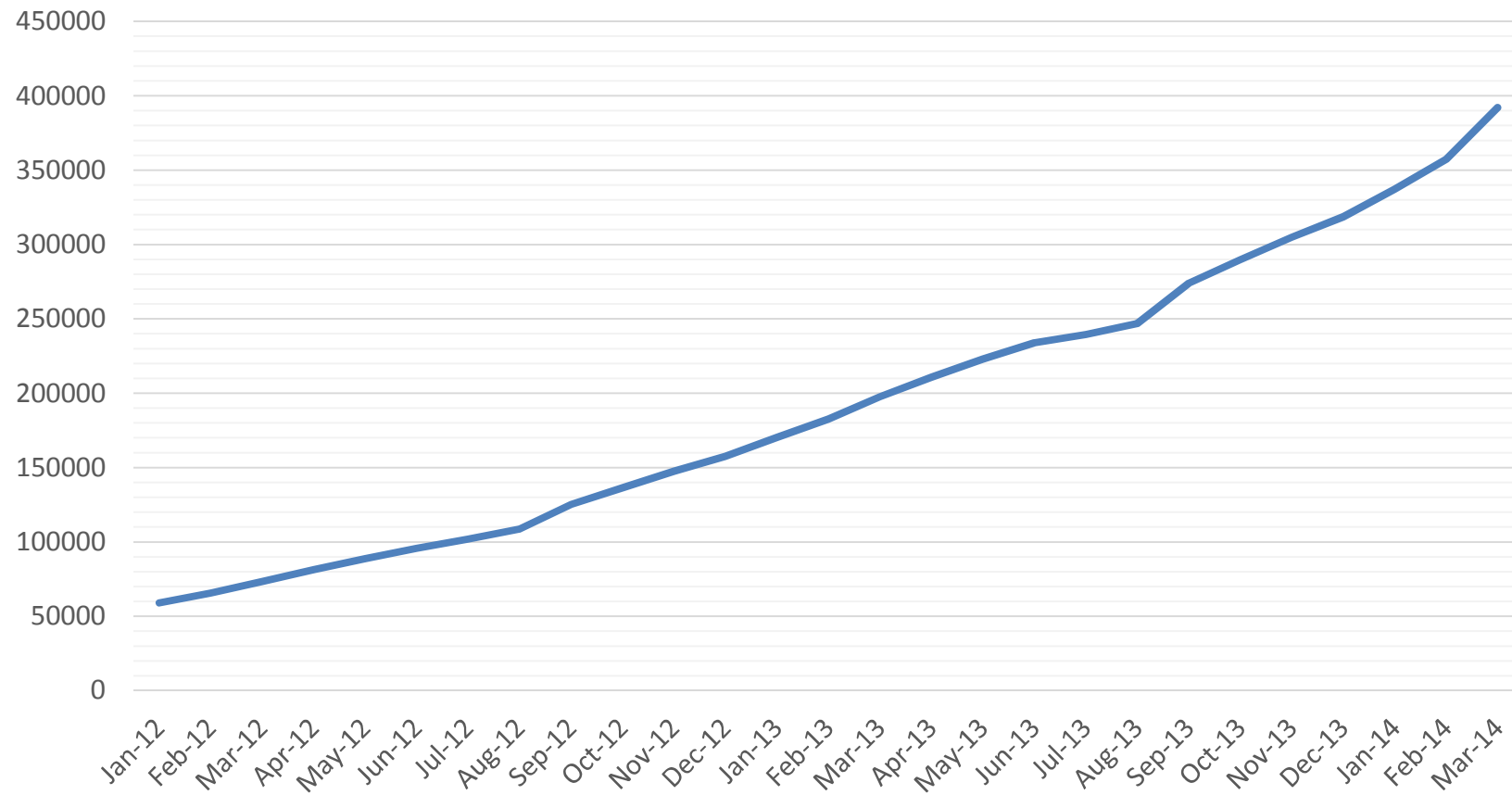
InK launched in Jan-11 with 8,000 items, growing to 13,000 items in Mar-14

Cumulative Number of Items (Metadata and Full Text)

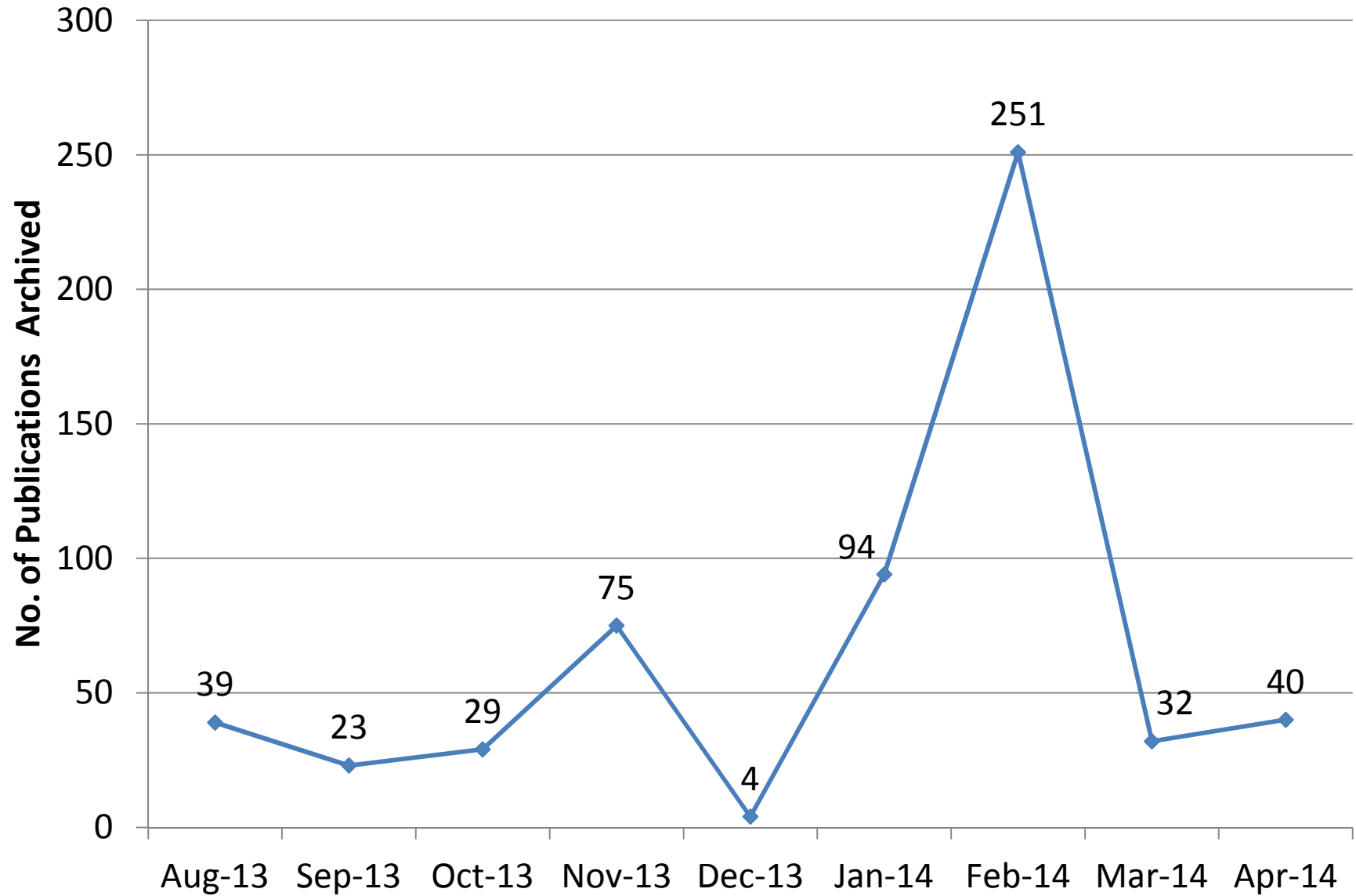


SMU InK - Usage

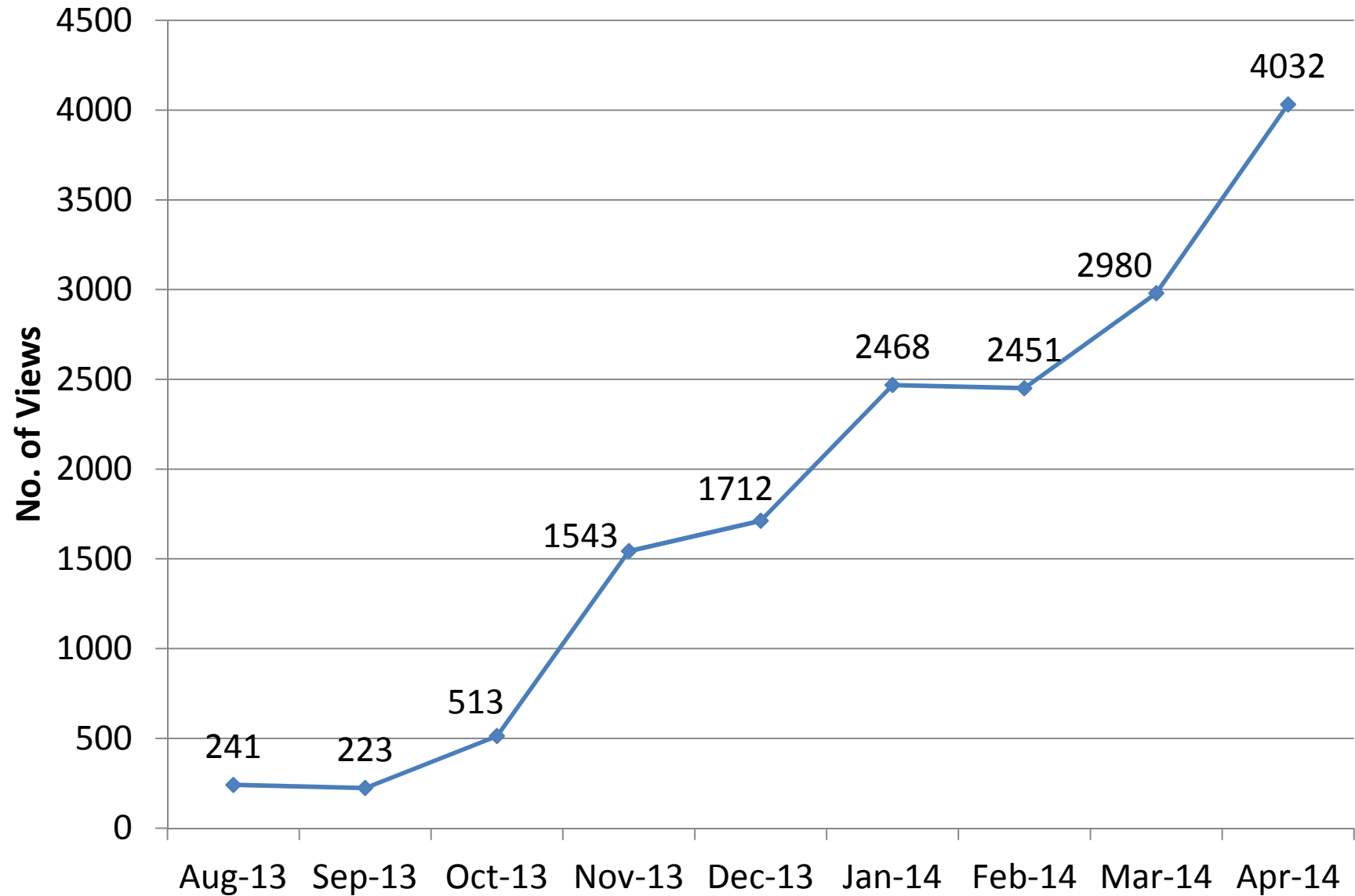
Number of Full Text Downloads



A*OAR - Items



A*STAR - Usage



How Much OA Full Text?

	Total Deposits	Total Full Text	FT Researcher Submissions (articles, conferences, etc)	FT Theses Submissions
NTU	18,600	13,335 (72%)	10,994 (59%)	2,341 (13%)
NUS	28,133	9,284 (33%)	1,008 (4%)	8,434 (29%)
SMU	13,209	3,045 (23%)	2,740 (22%)	122 (1%)
A*STAR	550	550 (100%)	550 (100%)	--
Singapore TOTALS	60,492	26,214	15,292	10,897

Institutional Policies/Mandates

- NTU OA Mandate 2011 - requiring deposit of fulltext of all staff publications and higher degree theses
- SMU OA Policy 2013 - requiring deposit for all publications, giving faculty choice of access level: open, SMU only, abstract only
- NUS does not have a mandate or policy of its own, but encourages OA and will comply with funder mandates

A*STAR Mandate

- A*STAR is a publicly funded agency that promotes and funds R&D to create economic growth, industry development and positive societal outcomes
- August 2013 – Green (self-archiving) Open Access mandate
- *All peer-reviewed publications generated from A*STAR funding must be deposited in an open access repository no later than 12 months after publication*
- Can deposit in A*OAR or any other repository of the researcher's choice

National Mandate - NRF

- Singapore National Research Foundation (NRF) is a department within the Prime Minister's Office set up in 2006
- As a national funder of Research, Innovation and Enterprise, it funds strategic initiatives and builds R&D capabilities
- *NRF requires research-performing institutions to have open access policies, in order for their researchers to tap on their grants (effective July 2014)*
- Promotion, compliance and enforcement to be done by the research performing institutions

Green or Gold Route?

- Generally, institutions are following and promoting Green OA (self archiving)
- No universities providing funds for Gold OA, though individual researchers may choose to do so
- A*STAR and NRF allow for use of grant money to pay for Gold Article Processing Charges (APC)
- A*STAR supports Green, allows funds to be used to pay for APC in Gold OA journals, but cautions against publishing in hybrid journals at this time

Obstacles to Implementation

- Lack of knowledge about OA
- Concern about copyright, lack of understanding
- Lack of interest/concern for OA
- Cannot locate final manuscript versions
- Extra work for researchers for green OA – not well integrated into workflow, some institutions providing support for this extra work but variable
- Need to publish in high impact journals, so fully OA journals rarely a top choice
- No university funding for gold OA, though researchers can budget for it in grant applications

Strategies for Adoption

- Mandates not strictly enforced at this time, preference is for researchers to see merits and willingly comply
- Strong focus on education and promotion
- Deposit services range from assistance in helping researchers to deposit to full deposit services
- Some integration between repositories and other research reporting platforms, but needs improvement to facilitate easy deposit

NTU Strategies for Adoption

- Researchers able to submit in 3 ways
 - Email manuscript to Library
 - Deposit manuscript via RIMS when updating (Research Information Management System)
 - Deposit directly into DR-NTU
- “OA Blitz” saw personalized outreach to all faculty by subject librarians resulting in 800 full text deposits in one semester (Fall 2013)
- Academic Publishing series of talks for postgraduates and early career researchers highlights Open Access
- OA and mandates discussed in new faculty/ researcher orientations

NUS Strategies for Adoption

- Library partnering with Faculty of Arts and Social Sciences to promote direct submission to ScholarBank@NUS
- Workshops highlighting how faculty will benefit from participation, showing connection between Google Scholar and ScholarBank@NUS
- Library assists researchers with full-text submission while working on improving submission process

SMU Strategies for Adoption

- Promote InK and OA during faculty orientation
- Follow up by research librarians with individual faculty to encourage full text deposits
- Presentations made at school meetings
- Work with Provost, Deans, Associate Deans to promote and garner wider support
- Pull data from Research Publication System which has option to upload full text
- Plan to replace RPS with new integrated system with workflows, easy to use, automatically push items to InK

A*STAR Strategies for Adoption

- Organize workshops and talks to educate researchers about open access
- Roadshow to introduce the 2013 OA Policy/mandate as well as discuss copyright and OA in general
- Individual visits to A*STAR research institutes, and talks at staff townhalls with Q&A

General Messages for Researchers

- Permanent archive/URL of publications
- Wider audience
- Increased visibility
- Easily retrievable via search engines
- Use statistics for your publications
- Possible increase in downloads of your publications
- Possible increase in citations to your publications
- Comply with funder and university mandates



Thank you!

And many thanks to the following
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