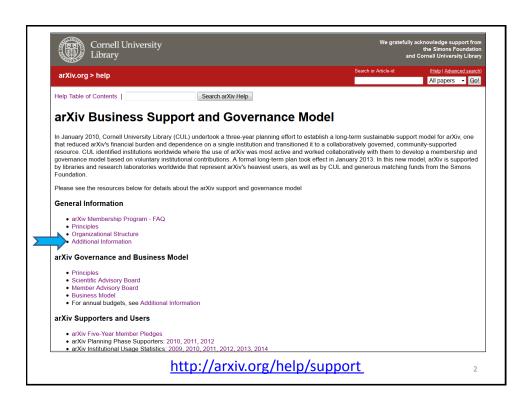
arXiv Scientific Advisory Board Annual Meeting

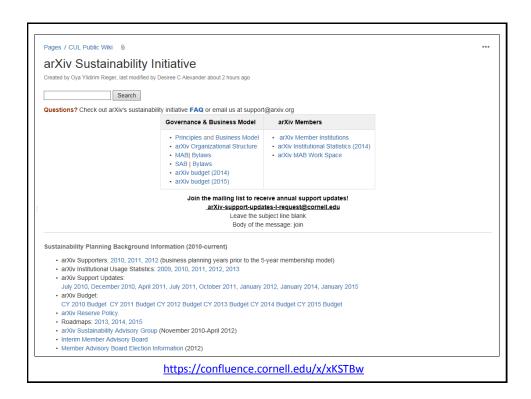
Oya Y. Rieger Associate University Librarian arXiv Program Director

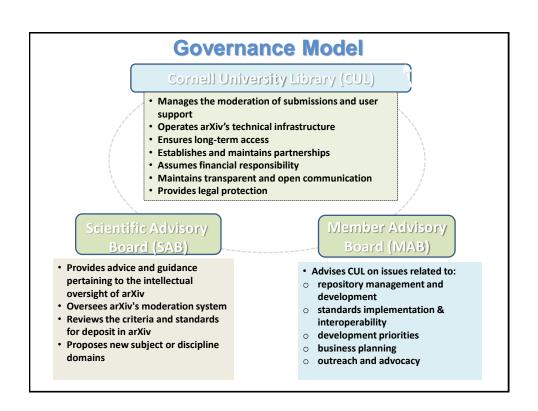
September 2015



arXiv.org

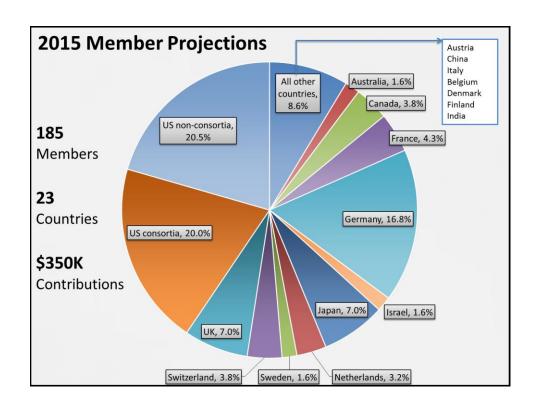


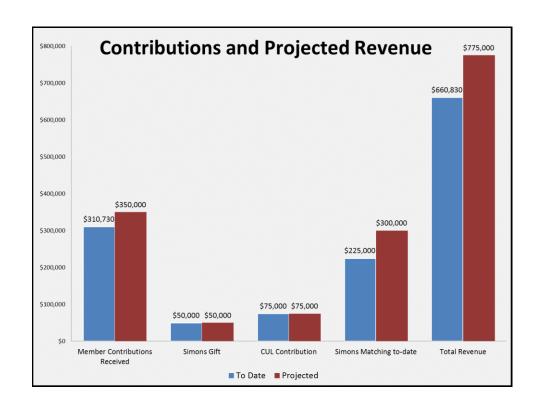


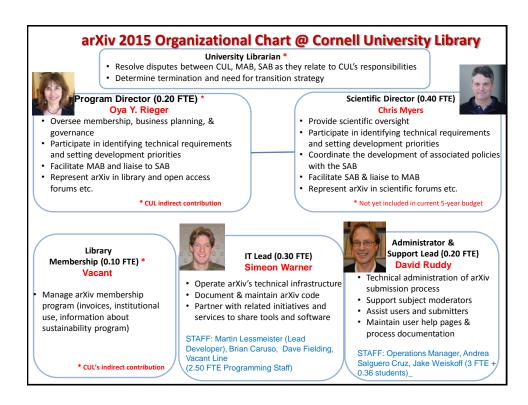


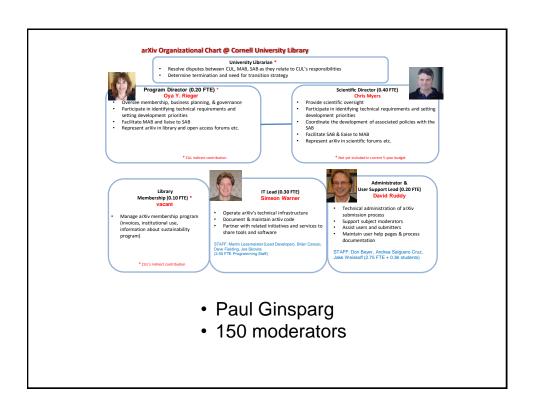
Business Model, 2013-2017

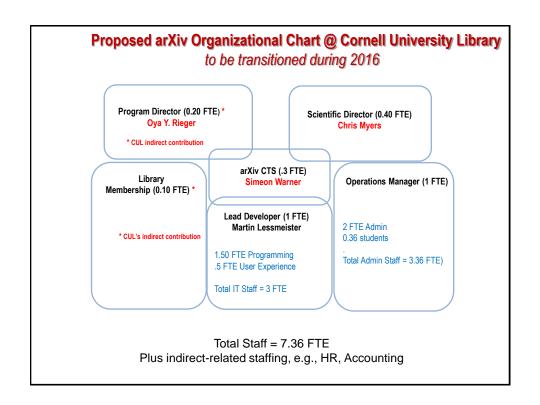
- · Cornell University Library
 - \$75,000 per year in support of operational costs
 - in-kind contribution of all indirect costs (37%)
- Simons Foundation
 - \$50,000 per year (increases to \$100,000 per year in 2016)
 - \$300,000 per year matching grant
- Member Institution
 - annual fees within \$1,500-3,000 range (based on usage ranking)











arXiv CY2015 MIDYEAR BUDGET						Midpoint (August)
EVENUE						
	Member contributions				\$340,000	\$350,000
	Simons Foundation An	nual Commitment			\$50,000	\$50,00
	Simons Foundation Ma	atching Fund			\$300,000	\$300,00
	Cornell University Libra	ary (Direct)			\$75,000	\$75,00
	TOTAL REVENUE				\$765,000	\$775,00
XPENSES						
	Personnel (including b	enefits)				
		User support	2.5 FTE + 0.50FTE stud	ent		
		Programming and system maintenance	2.5 FTE			
		Scientific Director	.40 FTE			
		Management	0.52 FTE			
		Gen-ph moderator	Contract			
				Subtotal Personnel 1	\$653,000	\$552,52
	Non-Personnel					
		Servers (physical & virtual), hardware ma	\$36,000	\$44,00		
		Network bandwidth and communication	\$8,706	\$60		
	Staff computers, software, supplies and		misc. expenses		\$3,000	\$3,00
		Advisory Board meetings (SAB and MAB)		avel	\$40,000	\$40,00
				Subtotal Non-Personnel 2	\$87,706	\$87,60
	TOTAL DIRECT EXPENS	SES			\$740,706	\$640,12
	Indirect and Volunteer	Costs				
	College and department administration,		staff support (26% of direct costs) ³		\$192,584	\$171,17
		Facilities (11% of direct costs) ⁴			\$81,478	\$72,42
		arXiv moderation (130+ moderators, var	ying time commitments)	not tracked	not tracke
				Subtotal Indirect Costs	\$274,061	\$243,59
	TOTAL EXPENSES (dire	ect + indirect)			\$1,014,767	\$883,72
	PROJECTED NET CHAN	IGES IN RESERVES (revenue less direct ex	penses) ⁵		\$24,294	\$134,87
RESERVES						
	Operating Reserves					\$200,00
	Development Reserve					\$445.00

			¢250,000		
C'11			\$350,000 \$100,000		
Simons Foundation Annual Commitment Simons Foundation Matching Fund					
•			\$300,000		
Direct)		\$75,000			
			\$825,000		
ts)			Salary/Benefits		
User Support & Manageme		it			
Programming and UX	3 FTE				
Scientific Director	.40 FTE				
IT Strategy/Management	.30 FTE				
Gen-ph Moderator	Contract				
		Subtotal Personnel	\$664,000		
	Funded by Development Reserve		\$200,000		
	Main E	Main Budget Commitment			
Servers (physical & virtual),	hardware maintenance.	storage and backup	\$44,000		
Network bandwidth and co		\$1,000			
Staff computers, software,	aff computers, software, supplies and misc. expenses				
Advisory Board meetings (S	<u> </u>	\$3,000			
, , ,	· · · · · · · · · · · · · · · · · · ·	ototal Non-Personnel	\$88,000		
not including 37% indirect			\$752,000		
not medaling 3770 man eet			\$752,000		
			\$250,000		
			\$530,000		

Budget in a Nutshell

Description	2010	2011	2012	2013	2014	2015	2016
Projected Costs	\$312,000	\$435,000	\$509,000	\$503,000	\$505,000	\$456,000	\$552,000
Additional Costs		-	-	-	\$138,028	\$184,000	\$200,000
Total Direct Costs	\$312,000	\$435,000	\$509,000	\$503,000	\$643,000	\$640,000	\$752,000
Revenue	\$383,000	\$470,000	\$511,000	\$770,000	\$775,000	\$775,000	\$825,000
Operating Reserves				\$100,000	\$150,000	\$200,000	\$250,000
Development Reserves				\$277,000	\$360,000	\$445,000	\$468,000

Additional costs for 0.4 FTE Scientific Director, 1 FTE Programmer, and Gen-Phy Mod The data provided for 2015 & 2106 are estimates as of September 2015.

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Reserves 2010-2015

1. Operating Reserves

- support the service's transition to another institution
- provide a safety net when there is a revenue short-fall
- 2010-2015 balance estimate = \$200,000*

2. Development Reserves

- support special projects
- Scientific Director + I FTE programmer + GenPh Mod
 - 2014 = \$184,500
- 2010-2015 balance estimate = \$445,000

^{*} Long Term Investment Pool

Works Well

- arXiv continues to be heavily used and praised
- Membership-based fund raising works well for covering base operating costs
- Governance model
 - fosters transparency & accountability
- Myers as Scientific Director
- Initial work re: funding sources:
 - Development of special projects list & initial cost projections
 - Initial contact with NSF
 - Advice from Cornell development office
 - Give button pilot (finally...)

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Needs Improvement

- Communication
 - IT development process and priorities
 - setting/managing expectations
- Authority further clarification of Paul G.'s embedded role
- Supporting maintenance & simultaneous development
- IT infrastructure
 - scaling to new demands and modern tools
- Fractured nature of org model
- Plans beyond 2017 CUL's role?

2016: Proposed Strategies for Consideration

- · Assign a full-time lead programmer
 - Warner will continue his work at the same level (.3 FTE) as a strategist/manager.
- Ruddy's role will transition into full-time Operations Manager
- Add a user experience (UX) staff
 - translation of requirements & functionality into mock-ups and implementation plans
 - creation of consistent feedback loops (communication)
- Engage two external technologists/managers to advise us on IT staffing, workflows, communication, and strategies
 - Needs to be light and nimble process
 - expand arXiv staff (in consultation with MAB/SAB)
- Engage in grant writing (Sloan Foundation)
 - Involvement of a new librarian to help with this process
- arXiv user study for improving interface/search functionality
 - Identify and prioritize user segments

Service Budget FTE **Funding** Organization \$2.15 **ADS** 10 FTE NASA Smithsonian (includes 3.5 FTE million Astrophysical IT staff) Observatory Inspire 10 FTE SLAC, FNAL, SLAC, not (excludes IT team available CERN, DESY, Fermilab, & project leads) IHEP-Beijing CERN, DESY, **IHEP-Beijing** Euclid \$1 million 6.5 FTE Revenues CUL & Duke (includes University 1 FTE Press programmer) arXiv \$1 million | 6.7 FTE CUL CUL, Simons (includes Foundation, 1 FTE Members programmer) * Budgets include direct and indirect costs

Cornell University Library, 2015

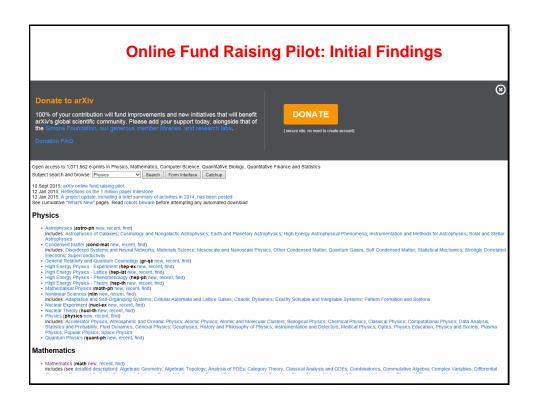
Give Pilot as Fund Raising Strategy

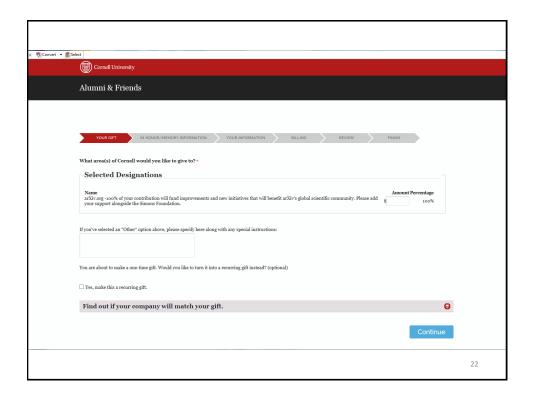
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Give Pilot as Fund Raising Strategy

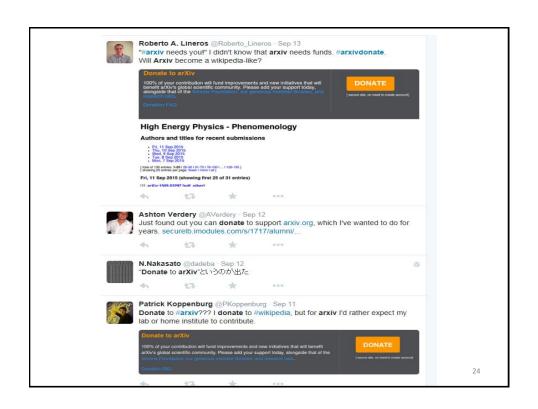
from 2014 MAB meeting minutes

- Give button interface will need to be thoughtfully designed so that it is not lost on arXiv's current text-heavy interface.
- Give button should only reside as an option on the search interface, and not on the submission or moderation pages
- How do we define success, and balance our benchmark to any impact that a give button may have on arXiv's reputation and goodwill?
- Revenue from the give-button is not a reliable source of income, and therefore if the give button is present on arXiv it will be tied special project.
- The give button is also a promotional opportunity to remind users of the contributions already provided by their institutions. Using it in this way will also demonstrate that arXiv is not in financial trouble.
- We will acknowledge the contributors. Recommendations were for an alphabetical list or for something like "circles" of contributors who donated specific amounts, but no logos, links, or special branding.





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	\$10	84		Wed	16	51	devite he vite
	\$7 \$5	1 22				Thurs	day ½ day to be added
							23



From: Christian Kurtsiefer <phyck@nus.edu.sg> Sent: Thursday, September 17, 2015 10:37 PM

To: support@arxiv.org

Subject: arXiv usage by National University of Singapore

Hello

I am Christian Kurtsiefer, faculty member in the physics department at the National University of Singapore, and came across your donation drive to have a sustainable operation of the arxiv.

Let me firs thank you for providing this absolutely outstanding service to the community, I think it makes a huge difference on the way we all can work and exchange information.

A short look on the member/donor list revealed that my institution seems not really contributing to the costs. While I am not in a position to make a commitment by myself, I am happy to lobby for this, because it is an essential tool. For this, would you be able to give us an indication in which usage ranking we fall according to your statistics, and what an adequate contribution from our side would be?

I see two options, one would be from the University as a whole, and the other one for our institute, the Centre for Quantum Technologies, where we for sure use the arxiv extensively.

We probably send all the requests to you via a proxy server with a 137.132.x.x IP address if this helps to identify the usage.

Thanks, and Best Regards,

Christian

Christian Kurtsiefer Tel: +65-6516-1250

Centre for Quantum Technologies / Physics Dept. Fax: +65-6516-6897

National University of Singapore

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----- Forwarded Message -------Subject: Fwd: About journals

Date: Wed, 16 Sep 2015 12:20:44 -0400

From: Aleksandar Donev <<u>donev@courant.nyu.edu</u>>
To: Carol Hutchins <<u>carol.hutchins@nyu.edu</u>>

Sounds like a good idea...I just donated money to ArXiv.

----- Forwarded Message ------

Subject: About journals

Date: Mon, 14 Sep 2015 14:35:08 -0400 From: Floren < fbalboa@courant.nyu.edu>

To: Aleksandar Donev < donev@courant.nyu.edu >

Ah! Something interesting is happening on the scientific journal universe. Some people are creating journals with a standard review process, ISSN and all those things but using arXiv to host the final version of the papers. Their idea is to create open access journals that everybody can read but without fees for the authors (or at least extremely low ~ \$10). As far as I know there are no journal like that in our field but it is nice to see thing are moving in the science community to make it more open.

https://gowers.wordpress.com/2015/09/10/discrete-analysis-an-arxiv-overlay-journal/

Floren