

IRIS Board of Directors pre-meeting Webinar

Friday January 24
2 PM EDT

In preparation for
Board Meeting
February 3-4, 2014
Inverness Hotel
Denver CO

Board Webinar

January 24, 2014



- **Welcome**
- **New Board Members**
- **Priorities**
 - IRIS 2025
 - 2018 recompetition
 - Successful implementation of SAGE
 - IRIS beyond SAGE
- **The Year Ahead**
 - Leadership transition
 - Implementing governance changes
 - Aligning resources with priorities
 - Multi-year planning
 - SAGE yr1 implementation
 - SAGE yr2 planning

Board Webinar



- **Webinar Format**
 - Try to keep to one hour
 - Primarily informational - limited time for Q&A or details
 - Quick summaries and pointers to documents on website or in DropBox
 - Refer to documents & review Webinar PPT prior to CoCom or BoD meeting
- **Protocol**
 - Mute mikes
 - Use VoIP if possible
 - Use " chat " function if you wish to comment – or speak up.
 - E-mail comments or suggestions for BoD agenda items and/or requests for additional information to Anne or David
- **Topics**
 - Consent Agenda items
 - Informational items
 - Funding Status – SAGE and other awards
 - 2014 Meetings
 - Program Status – see DropBox for detailed reports
 - Board meeting and Agenda

Board Webinar

January 24, 2014



Consent Agenda – Form and Purpose

BOARD SOURCE
Building Effective Nonprofit Boards
Providing the National Center for Nonprofit Boards

**THE CONSENT AGENDA:
A TOOL FOR
IMPROVING GOVERNANCE**

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- **What is a Consent Agenda?**
 - Consent agenda groups routine, procedural, informational and self-explanatory non-controversial items in an agenda
 - Items presented to the board in a single motion for an up or down vote
- **Great! But what does this mean?**
 - Documentation for consent items provided in advance, BoD vote reflects due diligence and fulfillment of responsibility
 - Board members ask questions for clarification prior to the meeting
 - If item(s) on consent agenda require discussion to support action or a decision item is removed from the consent agenda and raised later in the meeting
 - Any board member can request that an item be moved to the full agenda
 - Vote on the single motion applies to all the items on the consent portion of the agenda.
 - Document acceptance of consent agenda

Board Webinar

January 24, 2014



Example of Consent Agenda Items

- **Approval of board and committee minutes**
- **Correspondence requiring no action**
- **Committee and staff reports**
- **Updates or background reports provided for informational purposes only**
- **Appointments requiring board confirmation**
- **Approval of contracts that fall within the organization's policy guidelines**
- **Final approval of proposals that have been thoroughly discussed previously, where the board is comfortable with the implications**
- **Confirmation of pro forma items or actions that need no discussion but are required by the bylaws**
- **Dates of future meetings**

Spring Meeting Schedule



- **Spring Standing Committee Meetings**

- Establish priorities
- Review program activities and plans
- Develop budgets for SAGE YR2 based on Board guidance
- Develop issues for Board attention

GSN	Mar 10-11	Lamont
DMS	Mar 20-21	SCEC/USC
PASSCAL	Mar 17-18	IRIS HQ
EPO	Mar 28-29	IRIS HQ

- **CoCom meetings – virtual Feb 26 and April 10
in person April 16 – IRIS HQ**

- Receive reports from recent Standing Committee meetings
- Review program and cross program activities
- Develop SAGE YR2 tasks, activities and budget
- Consolidate Program and CoCom issues to send to Board

- **Board Meeting – May 13-15, IRIS HQ**

- Board, SC Chairs, PM's
- Board Training Session on Tuesday afternoon – ALL requested to attend
- Finalize SAGE Y2 Plan and Budget
- Receive and respond to CoCom and Program issues
- Meeting with NSF and USGS
- Followed by EarthScope Ten-Year Celebration Thursday afternoon

CONSENT AGENDA ITEMS

(For approval in Denver)

Minutes - November Board meeting

- Minutes of all Board Meeting will be posted on IRIS website under Governance
- The form of the minutes will be compressed to include
 - Date, location
 - Attendees
 - Agenda
 - Resolutions of the Board
 - Action items
 - Links to key documents and presentations

Consent Agenda item

“The Board received and approved the Minutes of the Nov. 4-5 Board meeting in Los Angeles”

1_BOD_CONSENT_AGENDA

Minutes_BOD_11_13

Board Sub-committees and Liaisons

IRIS BOARD - 2014 COMMITTEE ASSIGNMENTS

Term end		Officers	CoCom	Board Sub-committees				SC Liaison
				Budget & Finance	Membership	Meetings/ Publications	Legal Affairs	
			BoD Vice-Chair + 2 BOD	3 BOD + Treasurer + Dir Planning	2 BOD + Dir Planning + EPO Chair	1 BOD + Dir Planning + SC Chairs	Officers	
Ritsema	2014				Member	Chair		GSN
Brodsky	2014			Chair				DMS
Miller	2014		CoCom Board Rep					
Abers	2015	Vice-Chair	CoCom Chair				x	PASSCAL
Wyssession	2015	Secretary		Member			x	EPO
Laske	2015			Member				
Meltzer	2016	Chair					x	IDS
Magnani	2016				Chair			
McGuire	2016		CoCom Board Rep					IS
Simpson		President					x	
Shin		Treasurer		staff liaison			x	
Willemann				staff liaison	staff liaison	staff liaison		
Woolley			staff liaison					

Consent Agenda item

"The Board received and approved appointments to Board sub-committees and SC liaisons"

1_BOD_CONSENT_AGENDA

Board_Appointments_2013-14.pdf

this table

BoD_sub-committees.pdf

description and responsibilities

Membership – New Applications

The following applications have been made for Consortium Membership:

- Northern Arizona Univ. (Voting Member) Ryan Porter – Rep (incomplete)
- McGill Univ., Canada (Foreign Affiliate)
- Kangwon National Univ., Korea (Foreign Affiliate (incomplete)

Consent Agenda item

“The Board received the report of the Membership Committee and (pending receipt of final application materials) approved Northern Arizona University as a Full Member and McGill University and Kangwon National University as Foreign Affiliates ”

1_BOD_CONSENT_AGENDA
full information

New Members

<http://www.iris.iris.edu/BOD/MembershipSubcommittee/>

Meetings and Publications - 1

The 2014 IRIS Workshop:

Sunriver Resort in Bend Oregon, June 8-11

Workshop Conveners

- Jeroen Ritsema, U. Michigan
- Brandon Schmandt, U. New Mexico
- Elizabeth Cochran, USGS
- Ray Willemann, IRIS

Science Themes

- *Science Challenges*
- *Dirt, Data, Desktop, and Dissemination*
- *Very Wide Aperture Arrays: PBO, USArray, and Others*
- *Unexpected Science: New Approaches to Using Continuous Array Data*
(More detail on Workshop URL and BoD website under "Consent Agenda – Meetings etc")

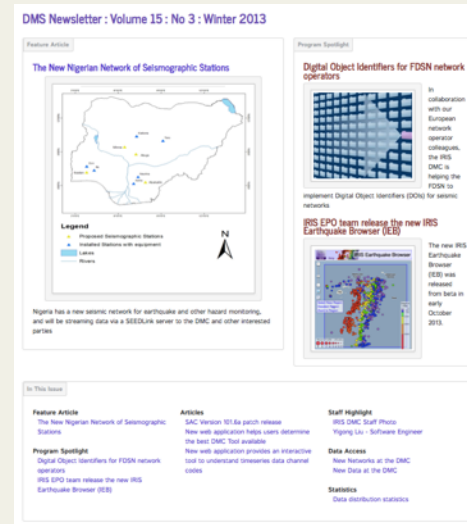
Travel Policy

- Board and Program Committees (voting members) lodging + travel up to \$500
- Plenary Session Speakers (but not session organizers) lodging + travel up to \$500
- Institutional Reps (if not included above) lodging only
- Student and PostDocs (one/institution, limited number) lodging (shared) + travel up to \$500

Meetings and Publications - 2

- Newsletters

- IRIS e-newsletter and continuing DMS newsletter series available through IRIS Publications link



Consent Agenda item

"The Board received the report of the Meetings and Publications Committee and approved the travel reimbursement policy and science themes for the 2014 Workshop. Progress with the IRIS e-newsletter and DMS newsletter was noted and endorsed."

1_BOD_CONSENT_AGENDA

Meetings etc.

web links

http://www.iris.edu/hq/meetings/2014/06/iris_workshop_sunriver_oregon/

<http://www.iris.edu/hq/publications/newsletters/iris>

B&F subcommittee will hold their conference call meeting next Monday

Budget and Finance

- Each year IRIS is required to have an A-133 Audit performed by an external audit firm.
 - The audit tests financial statement presentation, internal controls and compliance with award requirements.
 - The results are reported to the Board and submitted to our funding agencies.
- Each year, IRIS is required to submit to NSF a proposed structure and maximum provisional rates for ICR (Indirect Cost Recovery).
 - This includes a G&A (general and administrative, applicable to all programs) and overhead rates for the DC and Seattle offices.

G&A	FY15	25%	FY14	25%	base = Total IRIS modified direct costs
DC OH	FY15	36%	FY14	37%	base = HQ salaries
Seattle OH	FY15	19%	FY14	20%	base = DMC salaries

- Each year IRIS is required to submit Form 990 to the IRS
 - Form 990 is the primary public source of information on tax-exempt organizations.
 - It includes general information on the organization and overall financial status
 - An overview of the purpose and content of Form 990 will be provided during the Board training in May.

Consent Agenda item

“The Board received the report of the Budget and Finance Committee. The Annual A133 Audit for 2013 and the proposed maximum provisional ICR rates for 2014-15 were approved. Recommendations were received for investment of the new cable recovery funds .The B&F committee noted that the annual IRS Form 990 will need Board approval prior to submission by 2/15/14 ”

Annual Membership Meeting Venue

- The Yank Sing Restaurant, which has been the venue for the Annual Membership Meeting for many years, is no longer catering to meeting events.
- The San Francisco City Club (155 Sansome Street) provides excellent meeting and catering facilities. Total costs are similar to the Yank Sing and significantly less than at AGU hotels.
 - The location is closer to AGU facilities and Union Square than the Yank Sing.
- The City Club offers a reduced membership rate to non-profit organizations.
 - Initiation fee of \$1000 + \$125/month
 - This membership provides:
 - 20% discount on food and beverage at all events (more than covers annual membership cost)
 - Meeting rooms at no cost during weekdays
 - Complimentary continental breakfast
 - Access to Members Bar.
 - A possible location for other IRIS meetings



Consent Agenda item

“The Board approved the San Francisco City Club as the venue for the Annual IRIS Membership Meeting on Monday Dec. 16, 2014 . The Board approved use of IRIS unrestricted funds to pay for not-for-profit membership to the San Francisco City Club. ”

IRIS Annual Calendar

DATE	SAGE Budgets	Other
Jan 1, 2014	NSF provides funding target for SAGE Year 2	
Jan	Input to BoD on salary escalation	
Jan 13	BoD Conference Call – 4 Pm Eastern	
Jan 24	Winter BoD Webinar	
Feb 3-4	BoD Meeting - Denver	
Feb 14?	BoD budget guidance to CoCom	
Feb 26	CoCom virtual meeting <ul style="list-style-type: none"> Discuss programmatic priorities for Yr Elaborate on BoD budget guidance Give guidance for standing committee meetings Discuss cross programmatic issues 	
Mar 1		SAGE Quarterly report due
Mar 3	Preliminary subaward annual plan & budgets due to PLs	
Mar		Pre-Standing Committee Webinars
Mar 10-Apr 11		Standing Committee Meetings
Mar 10-11	OBSIP OC Lamont	
Mar 10-13	GSN SC Lamont	
Mar 17-18	PASSCAL SC Wash. DC	
Mar 20-21	DMS SC SCEC/USC	
Mar 28-29	EPO SC DC HQ	
Apr 8	PLs submit base 10/1/14-9/30/15 budgets, priorities and budget notes – HQ assemble for CoCom	
Apr 10		Pre-CoCom Webinar, written reports due from PLs
Apr 16	CoCom Budget Meeting – DC HQ	
May 1-2		SSA Annual Meeting - Anchorage
May 7?		Pre-Board Webinar
May 13 Pm	Board Training	
May 14-15 Am	Board Meeting – DC HQ	
May 15 Pm		EarthScope 10 year symposium and reception
May 15		Subaward plan and budgets due
May 23	Final subaward plan and budgets due to HQ	
June 1	Quarterly report and SAGE Plan and Budget due to NSF	
June 8-11		IRIS Workshop, Bend OR
July 1, IRIS FY15 Begins		
July 26-31		Data Management Workshop – Bogota
Aug 31		End of IRIS FY financial results
Sep 4-5		IRIS Program Managers F2F
Sep 21	Receive SAGE funding, issue subawards	
Sep – Oct	All-Com meeting	
Nov 5-6	BoD Fall Meeting	
Nov 21	Issue any revisions to SAGE Yr 1 spending plan	
Dec 15-19		AGU Fall Meeting – San Francisco

SPECIAL DATE

May 8, 2014
is the
30th Anniversary
of IRIS incorporation!

Informational item

1_BOD_Informational Item

2013-2014 SAGE Calendar R10

EarthScope Ten Year Celebration

- IRIS is collaborating with UNAVCO and the EarthScope National Office to hold a celebration of EarthScope's first decade.
- The event will be held in the AAAS building on May 15 (at the end of the IRIS Board meeting)
- Program
 - Science Symposium - Thursday afternoon - AAAS auditorium
 - Reception and Exhibit - following the Symposium – AAAS Atrium
 - Meeting at NSF and Congress may be arranged in conjunction with the Celebration
- The IRIS Board had previously agreed to provide un-restricted funds to pay for the reception (cost sharing with UNAVCO and ESNO).

Informational item

1_BOD_Informational Item

EarthScope Decade Event

ID/IQ

- IRIS has adopted a new procurement arrangement to enable competition for items where we anticipate placing multiple orders over a period of time.
- Under this procedure, called ID/IQ (Indefinite Delivery – Indefinite Quantity), vendors are invited to submit proposals for meeting requested specifications. Proposals address their ability to meet the specifications as well as quality, delivery and warranty provisions.
- Proposals are reviewed by a selection committee. Vendors that are selected are qualified to submit final price and delivery bids on which IRIS will award purchase orders.
- This procedure has now been used to qualify Quanterra and Nanometrics from among 4 bidders for supply of posthole seismometers. It is also being used to qualify vendors to supply vault seismometers for PASSCAL and GSN.
- This type of procurement may be used for power and communications systems in the future.

Informational item

1_BOD_Informational Item

ID/IQ_Procurement Procedure

Program Guidance – November 2013

- At the November Board meeting, the Board responded to issues raised by SC's and coordinated by CoCom
- Responses were distributed to CoCom on November 26
 - A slightly revised version of the responses is on the BOD website
 - # 9 CEUSN “\$2 million per year” -> “\$2-3 million per year”
 - # 11 PA-SC and Polar “all activities” -> “all activities, other than TA,”

Status Update

1. DS requests redirection of costs offset by recent funding of SAVI and EarthCube awards toward increased SAGE effort for QA (majority) and increased REED activities
 - Done
2. IDS proposes two-day ASI coordinated with the DMS Metadata Workshop in Bogotá, during August 2014
 - Under development. Funds(~\$15-20K) from old CA to be used to provide participant support
3. EPO requests guidance on pursuing industry funding
 - Encouraged. Procedures being developed to facilitate acceptance of private funds
4. ISM seeks endorsement for EarthScope Decade celebration
 - Underway. Use of unrestricted funds approved

Program Guidance – November 2013

- **Status Update – continued**

- 5. **ISM requests guidance on industry engagement**

- Follow-up meeting in Houston being planned. Field deployment in TX being planned
 - BoD to consider further activities at Denver meeting
 - “New Technologies” review now available on BOD website

- 6. **ISM requests guidance regarding strategy for seismology in the ocean basins**

- Session on Ocean seismology on the agenda for the Denver BoD meeting
 - GSN SC meeting at Lamont in March – Oceans to be agenda topic
 - MariScope meeting held during AGU

- 7. **ISM requests guidance whether GABBA should be kept alive**

- 8. **ISM requests guidance whether SZO should be kept alive**

- Well-attended SZO meeting held during AGU
 - Plans underway for SZO discussion at IASPEI, Bogota in July

- 9. **TA requests that the BoD provide a 5 year budget assumption to be used in planning the CEUSN project**

- Update on CEUSN funding expected from NSF at Denver BoD meeting

Program Guidance – November 2013

- **Status Update – continued**

10. Portable is responding to abating budget and program resources with change in scope.

- Special BOD session in Denver on report from the *Working Group on PASSCAL Sustainability*

11. PASC requests clarification on role of PASC in providing Polar guidance

- Clarified that PASC is responsible for oversight of Polar activities.
- PASC membership has Polar representation

12. PASC requests that “PASSCAL” be maintained as program name with “Program for Array...” being replaced by “Portable Arrays...”

- Agreed

13. PASC requests that BoD weigh in with unresolved issues regarding merger of FA and PA

- Included in discussion with *Working Group on PASSCAL Sustainability* in Denver

14. PASC requests that PASSCAL have right of first refusal for any lower 48 TA instrumentation

- Awaiting accounting and timeline of instrument availability from IS

15. PASC encourages IRIS to approach NSF about establishing a mechanism for more rapidly approving and distributing funding for future RAMP capability and deployments

- Awaiting discussion of topic at the March PASC meeting

Program Guidance – November 2013

- **Status Update – continued**

16. CoCom Recommendation: The BoD should maintain a strong line of communication with IRIS staff and the Consortium as the new governance changes are implemented

- Final discussion of Governance revision – concerning IS structure – is on the Denver agenda.
- Following the Denver meeting an update will be posted on the IRIS webpage.

17. CoCom Recommendation: The BoD should consider changing the timing of selection of new chairs to enable overlap and smoother transition

- Agreed - This should be considered by Committees expecting a transition in Chair at their Spring meeting and recommendations (including name and transition schedule) provided to the Board.

Informational item

1_BOD_Informational_Items

Board_Responses_11_13_rev2

Consent Agenda item

“The Board received informational items on the Annual IRIS Calendar, EarthScope Ten-year Celebration. ID/IQ procurement process and status of Program Guidance items issued in November 2013”

Award Status

INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY (IRIS)

FY14 Award Status as of 12/31/13

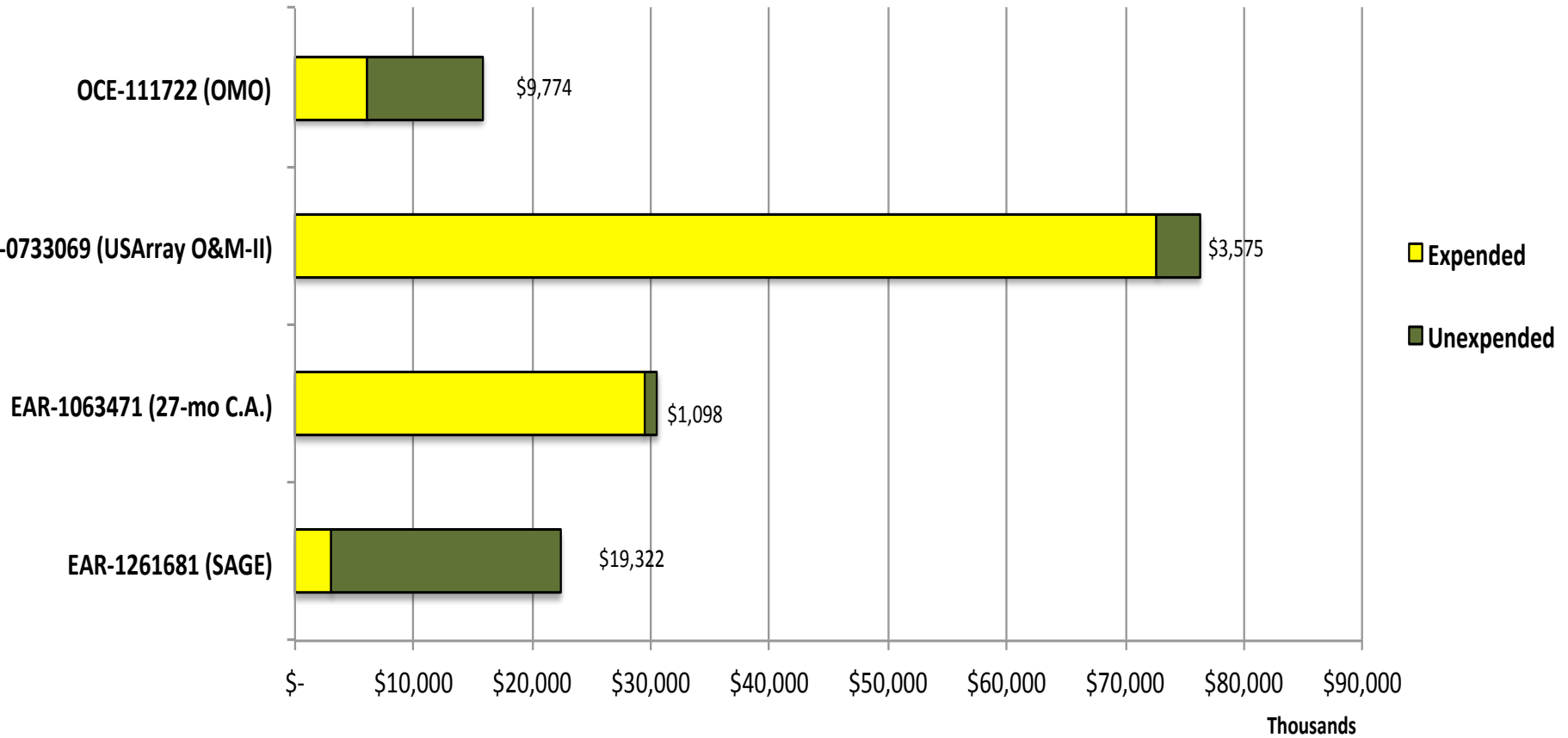
Cooperative Agreements are shaded in GREEN.

Award Reference	Award Number	Funding Agency	Effective Date	Expiration Date	PI Name(s)	Award Title	Award Value	Total Revenues as of 12/31/13	Award Balance	% of Award Balance Remaining	Projected Total Award Funding	IRIS Budget Code	Notes
The following multi-year awards have annual incremental funding:													
SAGE	EAR-1261681	NSF	10/1/13	9/30/18	Simpson	Seismological Facilities for the Advancement of Geoscience and EarthScope (SAGE)	\$ 22,386,380	\$ (3,063,940)	\$ 19,322,440	86%	\$ 133,735,396	1005	Partially funded for Year 1
GLISN-2	PLR-1304011	NSF	9/1/13	8/31/18	Simpson, Anderson	Greenland Ice Sheet Monitoring Network (GLISN) Operations	\$ 203,680	\$ (36,998)	\$ 166,682	82%	\$ 1,265,958	1078	Continuing grant, funded for Year 1
SAVI	ICER-1321600	NSF	9/1/13	8/31/18	Ahern	SAVI: Building a framework between the EU and the USA to harmonize data products relevant to global research infrastructures in the environmental field	\$ 138,193	\$ (3,155)	\$ 135,038	98%	\$ 234,745	1079	Continuing grant, funded for Yrs 1-3
REU	EAR-1156739	NSF	6/1/12	5/31/17	Taber, Hubenthal	REU Site: IRIS Undergraduate Summer Research in Seismology	\$ 251,994	\$ (251,994)	\$ -	0%	\$ 629,985	1075	Continuing grant, funded for Yrs 1-2
OMO	OCE-1112722	NSF	2/1/12	1/31/17	Simpson, Woodward	A Community-Based OBSIP Management Office	\$ 15,833,767	\$ (6,059,278)	\$ 9,774,489	62%	\$ 25,000,000	1081	Funded for Yrs 1-3
RESESS	GEO-0914704-S1	UNAVCO	9/15/09	8/31/13	Taber	Track 2: Developing a Sustainable RESESS Program	\$ 51,647	\$ (28,136)	\$ 23,511	46%	\$ 51,647	1066	Funding was previously deobligated.
Fully-funded awards:													
GEOICE	PLR-1337861	NSF	10/1/13	9/30/16	Woodward, Gridley	Collaborative MRI: Development of Geophysical Earth Observatory for Ice Covered Environments (GEOICE)	\$ 636,426	\$ -	\$ 636,426	100%		1083	Collaborative proposal with Central Washington Univ.
EarthCube	ICER-1343709	NSF	9/15/13	8/31/15	Ahern	EarthCube Building Blocks: Deploying Web Services Across Multiple Geoscience Domains	\$ 1,783,919	\$ (41,173)	\$ 1,742,746	98%		1082	
NASA	Subcontract No. 1481247	JPL	6/5/13	2/28/14	Taber	Interior Exploration Using Seismic Investigations, Geodesy and Heat Transport	\$ 99,983	\$ (77,840)	\$ 22,143	22%		1077	
PASI	OISE-1242259	NSF	2/1/13	1/31/14	Simpson	Pan-American Advanced Sciences Institute on Geophysical Research: New Tools and Techniques for Earthquake Hazard Analysis & Mitigation; Santo Domingo, Dominican Republic, July 2013	\$ 100,000	\$ (100,000)	\$ -	0%		1076	
CORE (27-month)	EAR-1063471	NSF	10/1/11	12/31/14	Simpson	Facilitating New Discoveries in Seismology and Exploring the Earth - The Next Decade	\$ 30,569,736	\$ (29,471,803)	\$ 1,097,933	4%		1080	No new supplemental funding is planned.
CHILE	EAR-1040292	NSF	9/15/10	8/31/14	Simpson	MRI: Acquisition for Integrating Global Reporting Geophysical Observatories within the Chilean National Seismic Network (GRGOC)	\$ 1,000,000	\$ (791,290)	\$ 208,710	21%		1071	Cost-sharing required (\$450,000)
CCLI	DUE-0942559	NSF	9/15/09	8/31/14	Taber, Hubenthal	Collaborative Research: Bringing Seismology's Grand Challenges to the Undergraduate Classroom	\$ 32,609	\$ (15,322)	\$ 17,287	53%		1065	2 months labor + travel
GLISN	EAR-0922983	NSF	9/1/09	8/31/13	Simpson, Anderson	MRI-Consortium: Development of a Greenland Ice Sheet Monitoring Network	\$ 1,992,785	\$ (1,992,785)	\$ -	0%		1064	ARRA Funding
USARRAY	EAR-0733069	NSF	10/1/08	9/30/14	Simpson, Woodward	Collaborative Research: EarthScope Facility Operations and Maintenance (FY2008-FY2013) (USArray)	\$ 76,244,193	\$ (72,669,419)	\$ 3,574,774	5%		2005	No new supplemental funding is planned.
Other program income:													
DoS PO	SAQMMMA11M2419	State	9/30/11	3/31/14	Anderson	Task 1 - Improvements to GSN Auxiliary Seismic Stations	\$ 402,000	\$ (280,000)	\$ 122,000	30%		3031	Fixed Price Purchase Order
EARN		Colorado	8/15/10	8/14/13	Busby	EARN Services Agreement - Colorado Geological Survey	\$ 63,522	\$ (63,522)	\$ -	0%		3003	Fixed Price Contract
EARN		UTIG	1/1/12	12/31/13	Busby	EARN Services Agreement - University of Texas, Institute for Geophysics	\$ 19,300	\$ (18,496)	\$ 804	4%		3005	Fixed Price Contract
EARN		Arkansas	12/15/12	12/14/13	Busby	EARN Services Agreement - Arkansas Earthquake Center, University of Arkansas at Little Rock	\$ 28,950	\$ (27,744)	\$ 1,206	4%		3007	Fixed Price Contract
EARN		NWU	7/15/13	7/14/14	Busby	EARN Services Agreement - Northwestern University	\$ 4,825	\$ (2,211)	\$ 2,614	54%		3008	Fixed Price Contract
NOBLE		Noble Energy	11/13/13	n/a	Taber	Funding for the REU internship program	\$ 5,000	\$ (981)	\$ 4,019	80%		4001	Other Funding

Funding Status

Award Balances Remaining as of 12/31/13

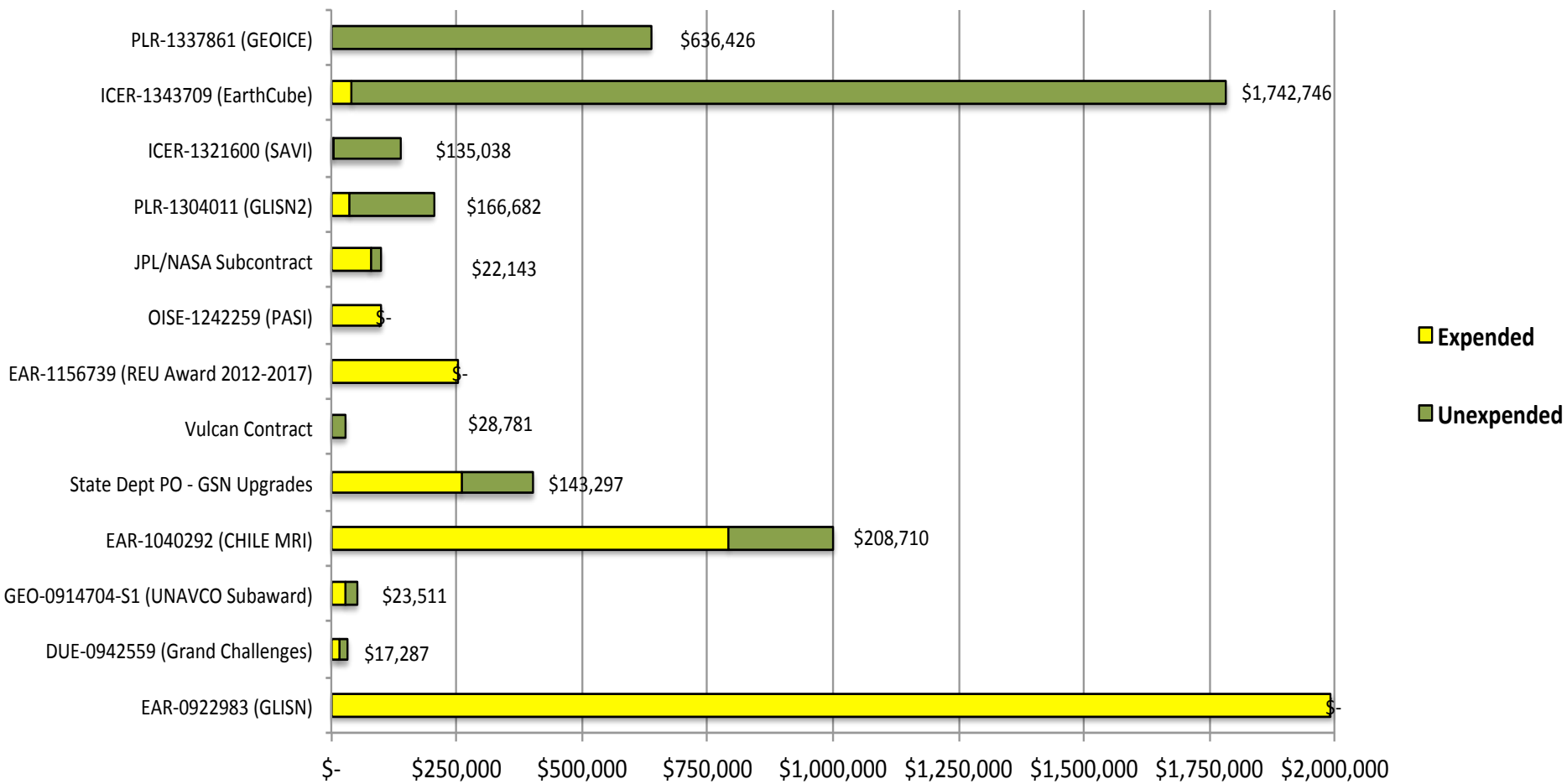
IRIS Cooperative Agreements Expended vs Unexpended Funds Available



Funding Status

Award Balances Remaining as of 12/31/13

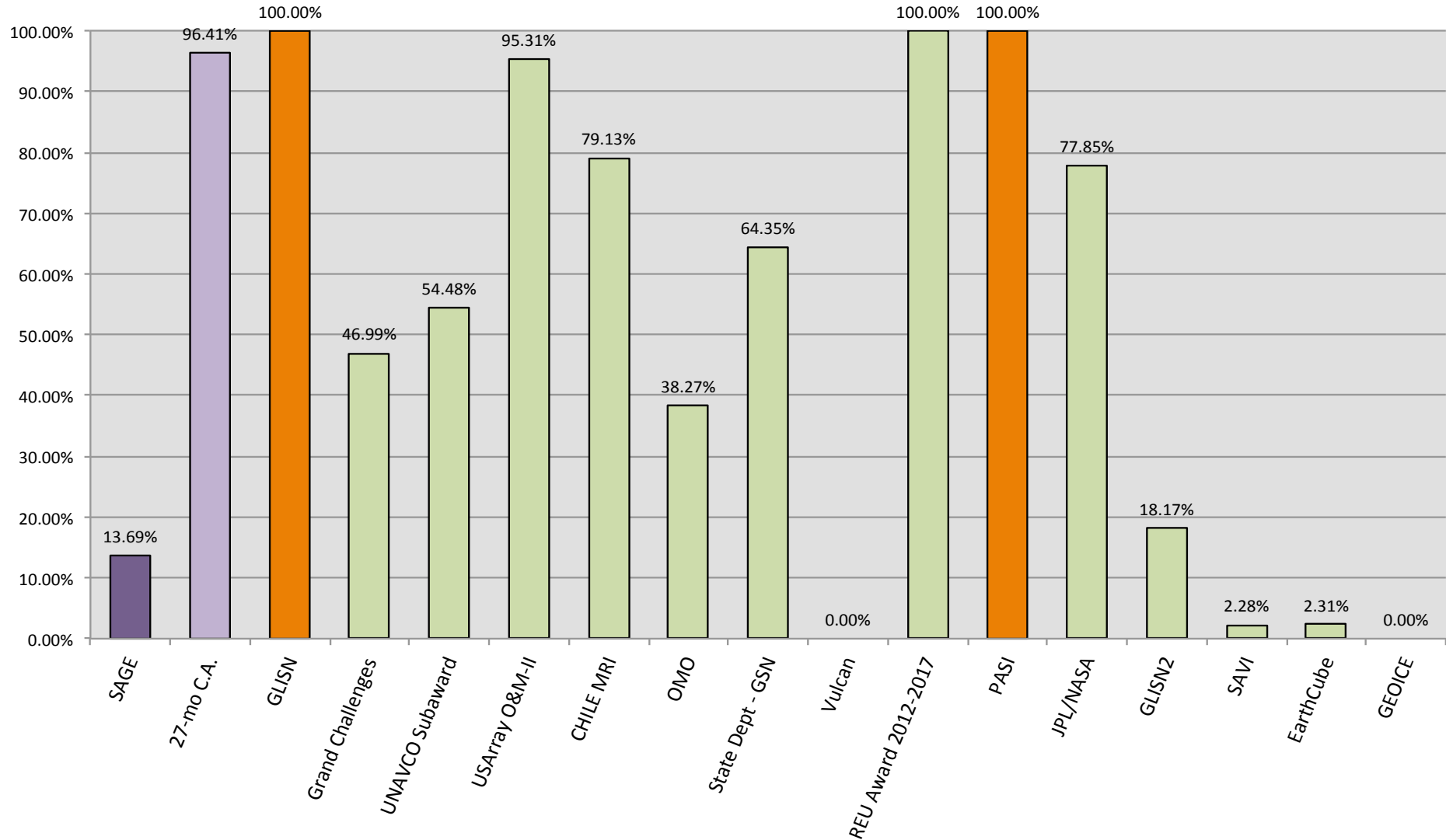
IRIS Awards (excluding Cooperative Agreements)
Expended vs Unexpended Funds Available



Funding Status

% spent – All awards

Percentage of Total Award Budget Spent as of 12/31/13



Funding status

- **Major Awards**

- **Old Core Cooperative Agreement**

- No-cost extension to December 2014
 - Final billing of subawards and procurement
 - Remaining funds for
 - PASSCAL instrument procurement (~\$600K)
 - Participant Support

Active Source Data (\$30K), EPO(\$20K), ASI Bogota (\$15K-20K)

- **Old USArray Cooperative Agreement**

- No-cost extension to October 2014
 - Includes supplement for CEUS

- **SAGE**

- Start October 1, 2014
 - Limited information on spending and variances
 - Supplements provided for Polar support
 - Yr2 funding profile is major topic for Denver

Discussion Topic in Denver

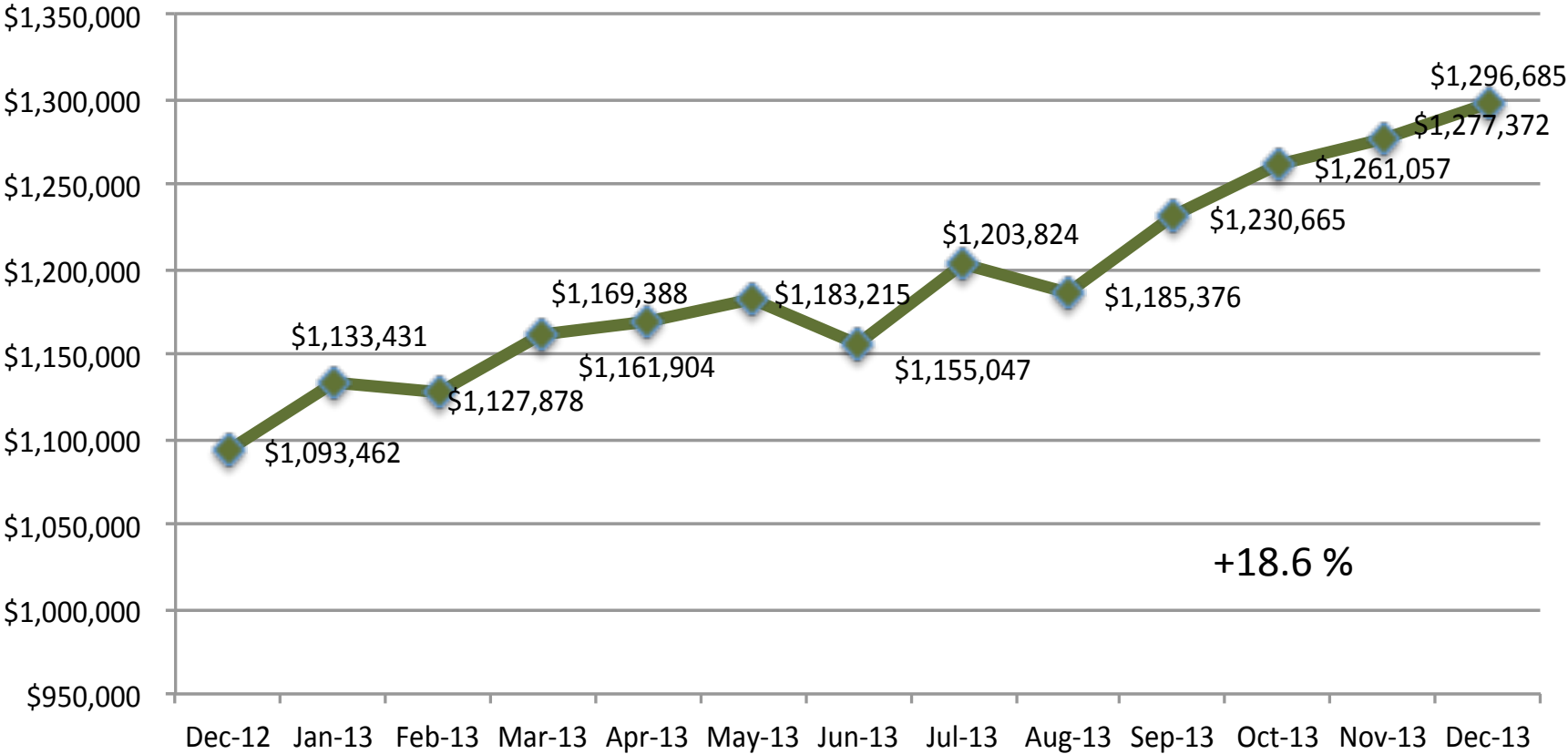
IRIS Net Assets

Description	Cumulative Total 1984 - 2013
Membership Dues (123 x \$2500)	\$ 307,500
Management Fees	1,329,302
Investment Income	1,226,131
Subsea Cable Transfer	1,066,000
Restricted - John Lahr Fund	24,450
Other Revenues, Net	146,444
Unallowable Expenses	(1,719,965)
Net Assets	\$ 2,379,863

Unrestricted Funds

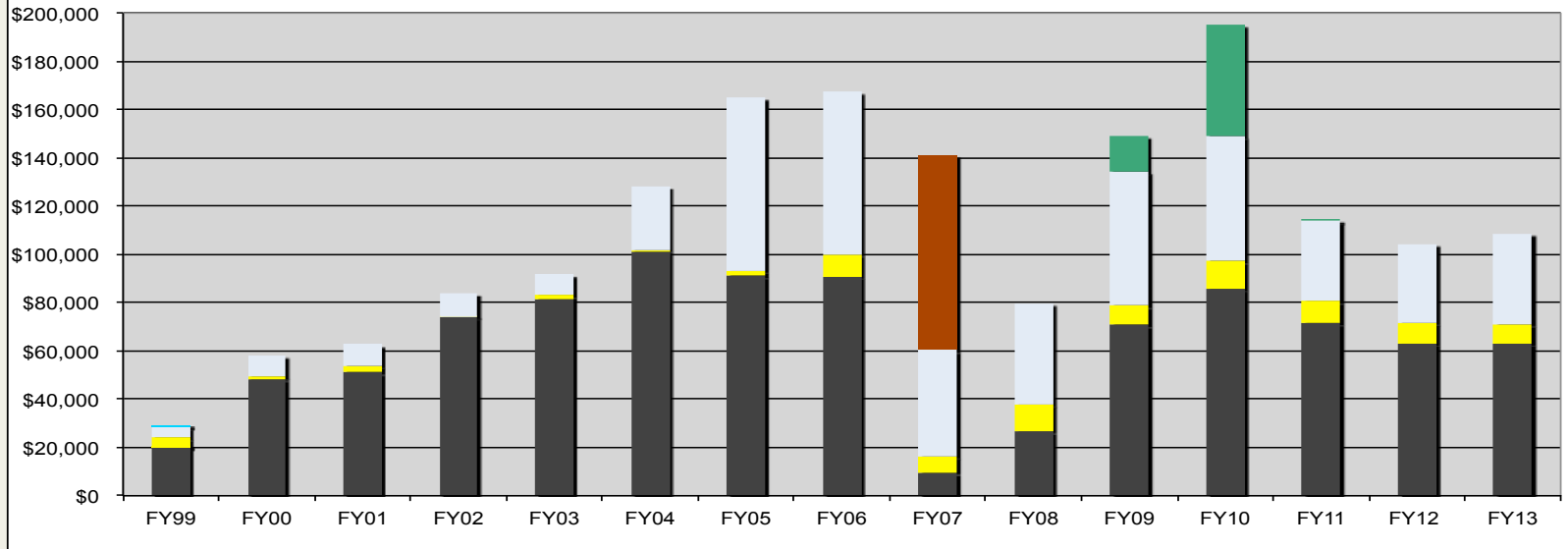
Investment Fund Account

Morgan Stanley - IRIS Portfolio Account Balance 12/31/12 - 12/30/13



Unrestricted Funds

IRIS Unallowable Expenses FY99 - FY13



	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
Lobbying	20,159	48,470	51,033	74,000	81,463	101,000	91,032	90,742	9,746	26,793	70,718	85,668	71,505	63,000	63,000
Alcohol	3,940	917	2,819	222	1,588	973	2,176	9,386	6,713	11,084	8,004	11,569	9,140	8,716	8,133
Other	4,631	8,911	8,899	9,761	8,753	26,194	71,671	67,140	43,895	42,019	55,543	51,639	33,140	32,718	37,645
Severance									80,767						0
Fundraising											15,029	46,178	1,000		0
Totals	28,731	58,298	62,751	83,983	91,804	128,167	164,878	167,268	141,120	79,897	149,294	195,054	114,784	104,434	108,778

% Change from Prior Yr 102.91% 7.64% 33.83% 9.31% 39.61% 28.64% 1.45% -15.63% -46.38% 86.86% 30.65% -41.15% -9.02% 4.16%

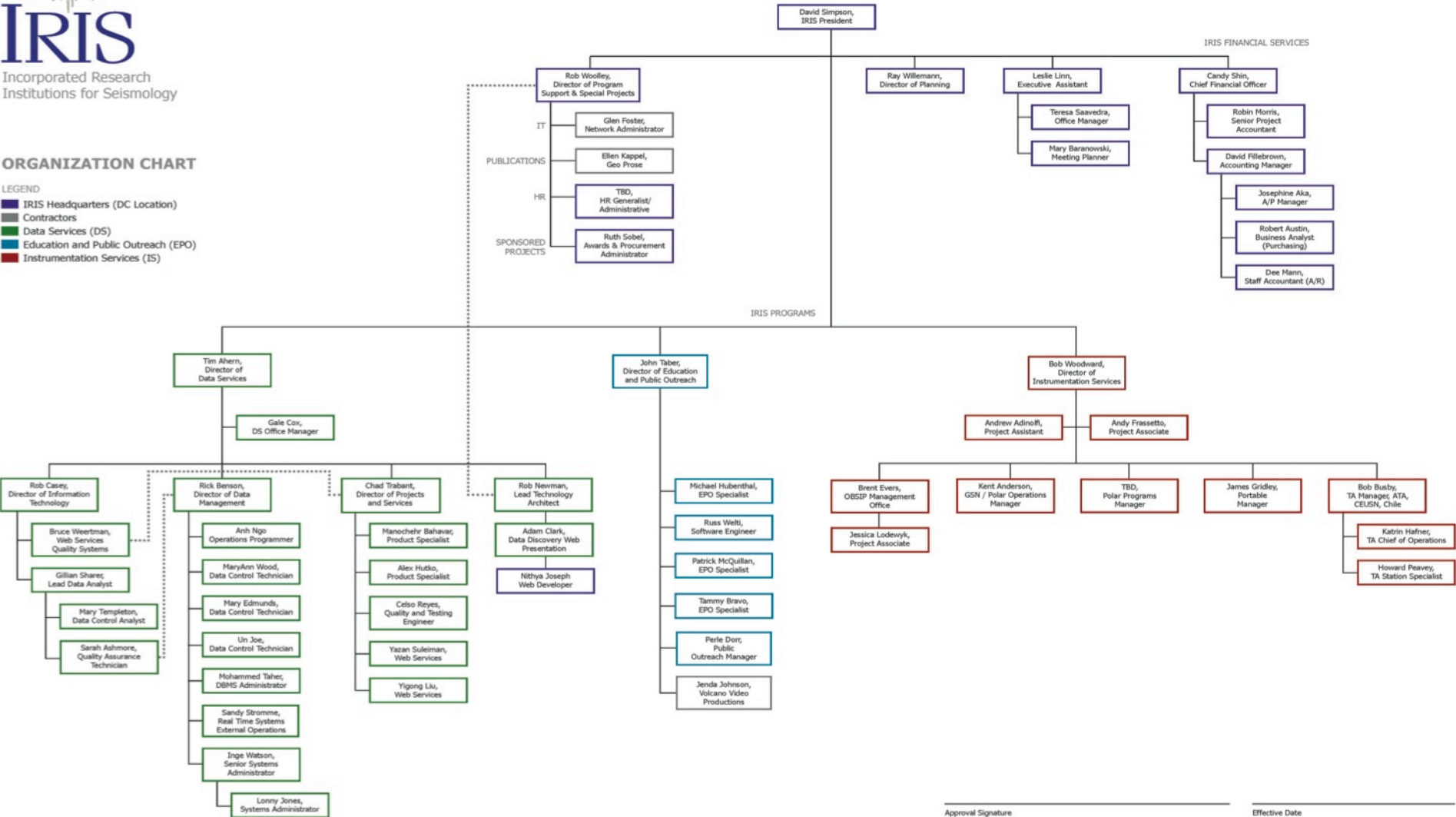
"Other" includes: investment fees, donations/gifts, staff meals, unallowable travel/meeting and promotional expenses

IRIS Management – Org Chart



ORGANIZATION CHART

- LEGEND
- IRIS Headquarters (DC Location)
 - Contractors
 - Data Services (DS)
 - Education and Public Outreach (EPO)
 - Instrumentation Services (IS)



Approval Signature

Effective Date

Industry Interactions

- **Last Year**
 - **Presentations at Instrumentation Technology Symposium**
 - Technology and instrumentation
 - CalTech work on Nodal Seismic data set from Long Beach
 - **IRIS Booth at SEG Meeting, Houston**
 - **“Lunch and Learn” at SEG**
 - Organized by Nodal Seismic, Fairfield and IRIS
- **In the Works**
 - **Follow up meeting in Houston in May**
 - **Field deployment with Nodal Seismic in Sweetwater Texas**
 - **Pending industry member appointment to EPO-SC**
- **Future**
 - **Expand on the initial interactions with SEG related to education and outreach**
 - **Continue interactions with exploration equipment manufacturers exploring possibilities for “Large N”**
 - **Expand opportunities for Consortium wide software access**
 - **Begin planning for 2014 SEG Annual Meeting participation**

Discussion Topic in Denver

Data Services - EarthCube

- **EarthCube**
 - Current Building Blocks proposal is moving well
 - *Meetings of management team, scientific advisory committee, and the technical team have taken place*
 - *Progress with RAMADDA is excellent with extensions underway*
 - *Still need to hire two developers for EarthCube work*
 - Opportunity for IRIS to have input into the governance process of EarthCube
 - *Workshop announced recently, getting BoD involved could be advantageous*
 - Potential participation in another COOPEUS-led EarthCube Building Blocks proposal
 - *Proposal related to HPC and building bridges to HPC centers*
 - EarthCube Data Centers meeting 15-17 January 2014 - Ballston
 - *Several next steps, including formation of the Council of Data Facilities (CDF)*
 - Motivated to keep IRIS involved in EarthCube
 - Ahern willing to serve, but not lead, in the CDF's activities
- **Requested Board Actions:**
 - Decide how to participate in EarthCube governance effort
 - Consider DS participation in EarthCube Building Blocks proposal to develop links from IRIS web services to HPC amenable processing formats
 - Endorse participation in Council of Data Facilities

PROGRAM UPDATES

Instrumentation Services: Management

- IS Team Meetings underway and stimulating interactions
- Instrumentation Services governance structure to be discussed in Denver

Discussion Topic in Denver

IS: PASSCAL

- **Notable Deployments**
 - Venezuela active source experiment has just shipped.
- **Schedule Status:**
 - Generally, shipments are coming and going as planned.
The PIC continues to monitor and support PI needs as requested.
- **Pool Status:**
 - Significant number of Guralp systems recently sent for repair
- **RAMP Status:**
 - RAMP pool is at the PIC on “ready” status for deployment.
- **Active Source Data Workshop**
 - January 26-27, Tucson, AZ
- **Issues for Board:**
 - **PASSCAL: Program and equipment sustainability**
 - **Report and Discussion in Denver**
 - **PASSCAL Sustainability Working Group**
(Abers, Moran, Woodward, Gridley)

[Discussion Topic in Denver](#)

IRIS's *Large N* Working Group

- **Tasks**
 - Engage communities
 - Compile scientific value, potential of Large N
 - Produce glossy white paper: scientific justification (for decision making, fund-raising)
 - Side task: compile instrument specs for each application (but NO decisions or judgments)
- **Parallel efforts**
 - Compile technical state of the art
 - Inspire development to meet tomorrow's needs
 - Test prototypes
- **Online workshops**
 - January-March 2014 - 2(?) hours each
 - Single community focus per workshop
 - **Goal: What science might be achieved with Large N?**
- **Tentative communities:**

– Global, GSN, GABBA	Ammon, Lelic
– Regional broadband	Levander, Aster, Stump, Lelic
– Source discrimination, CTBT, DOE, DOD	Stump, Bonner
– Earthquake source, RAMP, USGS	Beroza, Steidl
– Controlled-source, industry	Keranen, Levander
– Ocean, OBSIP	van Avendonk
– Polar	Aster
– Volcano	Moran, Aster
– Others?	

IS: GSN

- **Network Highlights:**
 - Next Generation System rollout: 132 of 153 - 86%
 - LASSO phase one development complete and under review: Demos at AGU
 - Pacific Telemetry hub at PTWC being moved - IRIS/USGS/NOAA coordination
 - USGS borehole procurement (DOE funds): RFP to be released in February
 - Investigating replacement for ABKT (site visits made to Tajikistan & Uzbekistan)
- **Committee:**
 - New Committee members in place - Nettles (chair), Park and Vidale
 - Pre-SC meeting conferences underway
- **Issues for the Board:**
 - Instrumentation Service Committee Implementation Plan input
 - Very high level of SC/USGS engagement and desire to participate in shaping ISSC
 - Comments and Recommendations will be placed on BoD site on Monday
- **GSN Review preparation**
 - Expecting Board input on structure, timeline, composition of panel, charge, and engagement with NSF and USGS.
 - GSN PM and SC will work on briefing materials, review outline, time tables and panel member recommendations - coordinated with USGS

Discussion Topic in Denver
- **Outstanding issues from Fall**
 - GSN Budget - impact still under review, but FTE loss will begin to impact this summer
 - Board liaison - SC working to engage w/ liaison and find best approach

IS: Transportable Array

- **TA / USArray governance has been dissolved**
 - last meeting of USAAC held during AGU
- **TA re-scoping document submitted to USAAC (under Programs->TA on BOD site)**
- **ID/IQ developed and in place for sensor procurement**
- **CEUSN**
 - Schedule on track
 - virtual networks developed
 - integration with USGS [DOE, NRC]
- **AK Field season topics**
 - Board should be aware of safety concerns and minimizing exposure to risk in Alaska
 - Hardware development and large procurements in an environment of increasingly constrained contract rigor (IDIQ as one solution, but significant effort involved)
 - *Power systems \$2.5M*
 - *Reconnaissance \$0.5M*
 - *Communication \$1M / annually*
- **December briefing to USAAC is on BOD website (Programs -> TA)**

IS: Polar

- **Antarctic**
 - Season restart was successful following government shutdown
 - *Full season plans implemented*
 - *By the end of the session, six staff will have complete a tour*
 - Currently developing plan for 2014-15 season
- **Arctic**
 - Season planning for summer season in progress
 - Supplemental proposal for Greenland experiment being submitted
 - *parts, but no labor - need to include labor in future supplements*
 - **GLISN:**
 - *MRI/ARRA funding closed out and beginning AON award*
 - *2014 summer season planning underway*
 - *EOS Article on GLISN published on Jan 14, 2014*
 - *International meeting this Spring*
- **GEOICE (MRI award with CWU):**
 - Engineer hired and ramping up on knowledge base
- **Committee:**
 - PNSC full - may need to consider one position at Spring meeting
- **Issues for Board:**
 - Still seeking Arctic base level support for Polar group.
 - Will continue to pursue pool growth through external funding opportunities

IS: OMO

- **Funding/Subawards/Operations**
 - 2014 OMO funding received, preparing subawards
 - Canales recovery complete, very heavy seas, lost two instruments
Preparing for Large ENAM community experiment
 - Visit to all IIC's completed with trip to WHOI Jan 23rd
 - 2014 scheduling with UNOLS Complete, pending changes
- **Oversight Committee**
 - Next OC meeting in conjunction with GSN (March 10-11, LDEO)
- **Data Quality**
 - *IIC's still reviewing Quality Plan*
 - *Reviewing Year 1 horizontals for orientation/polarity swap*
 - *Plan to process Year 2 horizontals*
- **Issues for BoD**
 - Consider providing input to Decadal Ocean Survey

Discussion Topic in Denver

Data Services

- **Auxiliary Data Center at Livermore Valley Open Campus (LVOC)**
 - Web Services are Deployed
 - Expected to be accessible by ~ February 1, 2013
 - Possible EarthCube Building Blocks proposal to produce HPC compatible formats
 - Seattle DMC failover test once everything is in place at LVOC
 - Solution for a complete failover DBMS that can run at LVOC.
 - Oracle too expensive - Looking at Enterprise Postgres
- **Archive re-indexing**
 - Developing plans to reindex the entire DMC archive (250 terabyte)
 - limiting step in serving requests for data is related to I/O from the RAID system
- **MUSTANG**
 - First meeting of the QAWG met at AGU and was productive
 - http://www.iris.edu/hq/about_iris/governance/qawg
 - Many months to complete all the metric processing
 - Staff resources have been reallocated to help meet MUSTANG need
 - MUSTANG Data Viewer and LASSO seem to be working well & already uncovering problems
- **Staff development**
 - One DMC manager to UCAR Leadership Collaboratory
 - DMC staff retreat scheduled for late February

Data Services – cont'd

- **Deprecation of software and services**
 - **RDSEED**
 - Support for rdseed is a problem area
 - No primary maintainer of this code
 - **DHI services were terminated at the end of the year without any problem reports received.**
 - **WILBER II retired**
 - **WILBER 3 seems to be working very well and meets old WILBER user requirements**
 - **StationXML**
 - Many DMC tools need to migrate to support for StationXML
 - Insufficient resources for development
- **Digital Object Identifiers**
 - Working closely with European partners
 - Will take to FDSN working groups for endorsement and buy in
 - Focused at DOIs at the Permanent Network and Temporary experiment level
- **Active Source Data**
 - PH5 being installed at DMC to manage active source (SEG Y) data sets
- **IMS Data**
 - Data sharing letters from United Kingdom and Australia
 - Several new Infrasound sources

Education and Public Outreach

- **Research Experiences for Undergraduates**

- AGU *1 oral and 13 poster and presentations*
 - *~45 attendees at the Intern Alumni reception, with alumni from 1999 to 2013*
- 2014 Intern Program
 - *Minority recruitment lectures at 9 institutions*
 - *Intern applications due 2/1/14 Research host applications due 2/15/14*
 - *Looking for support for up to 3 additional interns - Contact Michael Hubenthal if interested*

- **Other Undergraduate**

- Participated in Summit on the Future of Geoscience Education, UT Austin, 1/10 - 1/12 2014
- Organizing committee for InTeGrate workshop on Risk and Resiliency, May 2014
- Potential proposal submission - *Advancing Recruitment and Retention in Geosciences*
 - *rolling deadline until May 1, 2014 - Could provide some funding for involving undergrads in field work*

- **Early Career Investigators**

- Geo researchers/educational research workshop proposal submitted 1/17/14
 - *Collaborative with University of Northern Illinois \$74K for IRIS*
 - *Workshop to be held in August*
- Webinars *3 since last Board meeting, 5 scheduled through March*
- *Travel for ECI's Funding provided for 3 ECIs to give colloquium talks at another institution*

- **IRIS/SSA Distinguished Lecturers**

- 2 Lectures in January for 2013 lecturers – Gavin Hayes and Lara Wagner
- Scheduling under way for 2014 lecturers - Meredith Nettles and Jean Paul Ampuero
- Request for nominations for 2015 lecturers was released today

International Development Seismology

Collaborative ASI's with other proposals

Advanced Studies Institutes included in 3 proposals to "Integrated Earth Systems":

- *Mian Liu & Eric Sandvol (U. Missouri), in the U.S for a project in eastern Tibet.*
- *Mike Taylor (U. Kansas) & Anne Sheehan (U. Colorado), in Bogota, Colombia - 2018.*
- *Jay Pulliam (Baylor U.) in the Greater Antilles*

Follow-up to 2013 PASI in Santo Domingo:

- *Data archived at the DMC (network code ZG).*
- *Three poster presentations (Schwed et al., Huerta et al., Willemann et al.) at the 2013 Fall AGU Meeting.*
- *Web site created for Alliance for Middle America Seismology (ALMAS)*
www.almas-online.org

Other Activities

- *Plans for abbreviated ASI this year in Bogota after Data Management Workshop*
- *Abstract submitted for 2014 SSA National Meeting on outcomes from all IRIS ASIs*

Denver Agenda

Monday

Welcome

President and Chair's Remarks

Consent Agenda

Management and Program Guidance

Oceans

GSN Review

Industry Interactions

EarthCube liaison

SubSea fund investment

Governance

Grand Challenge Science Committees

Instrumentation Services Structure

Strategic Discussion: PASSCAL Sustainability

New Technology Report

Large N Prospectus/Timeline

Scope Definition

Recapitalization of PASSCAL Instrument Pool

PLEASE SEND Flight Information to Mary

Monday – cont'd

Conference Call with Greg Anderson, NSF

Conference Call -SC Chairs on Program Priorities

SAGE Award

Status

SMT input for Yr2 Plan and Budget

Guidance to CoCom

Exec Session (Board Only)

Tuesday

Breakfast and Meeting with UNAVCO

Exec Session (with President)

2014 Salary approval

Presidential transition

Exec Session (Board Only)

Presidential Transition

Please e-mail comments or suggestions for BoD agenda items or requests for additional information to Anne or David