



Report of the IEEE Executive Director

IEEE Region 8 Meeting
19 March 2016

James Prendergast
IEEE Executive Director

Enterprise Key Metrics

Membership Stats* (January 2016)

- ▶ **IEEE Total Membership: 427,935**
 - Decreased 1.3%: -5,638 members
 - Higher Grade Membership (without GSM)
 - Decreased 0.8%: -2,491 members
 - Undergraduate
 - Decreased 0.6%: -430 members
 - Graduate Students
 - Decreased 5.7%: -2,717 members

***All figures are end of January 2016 and reflect the same time period YoY for 2015 unless otherwise noted**

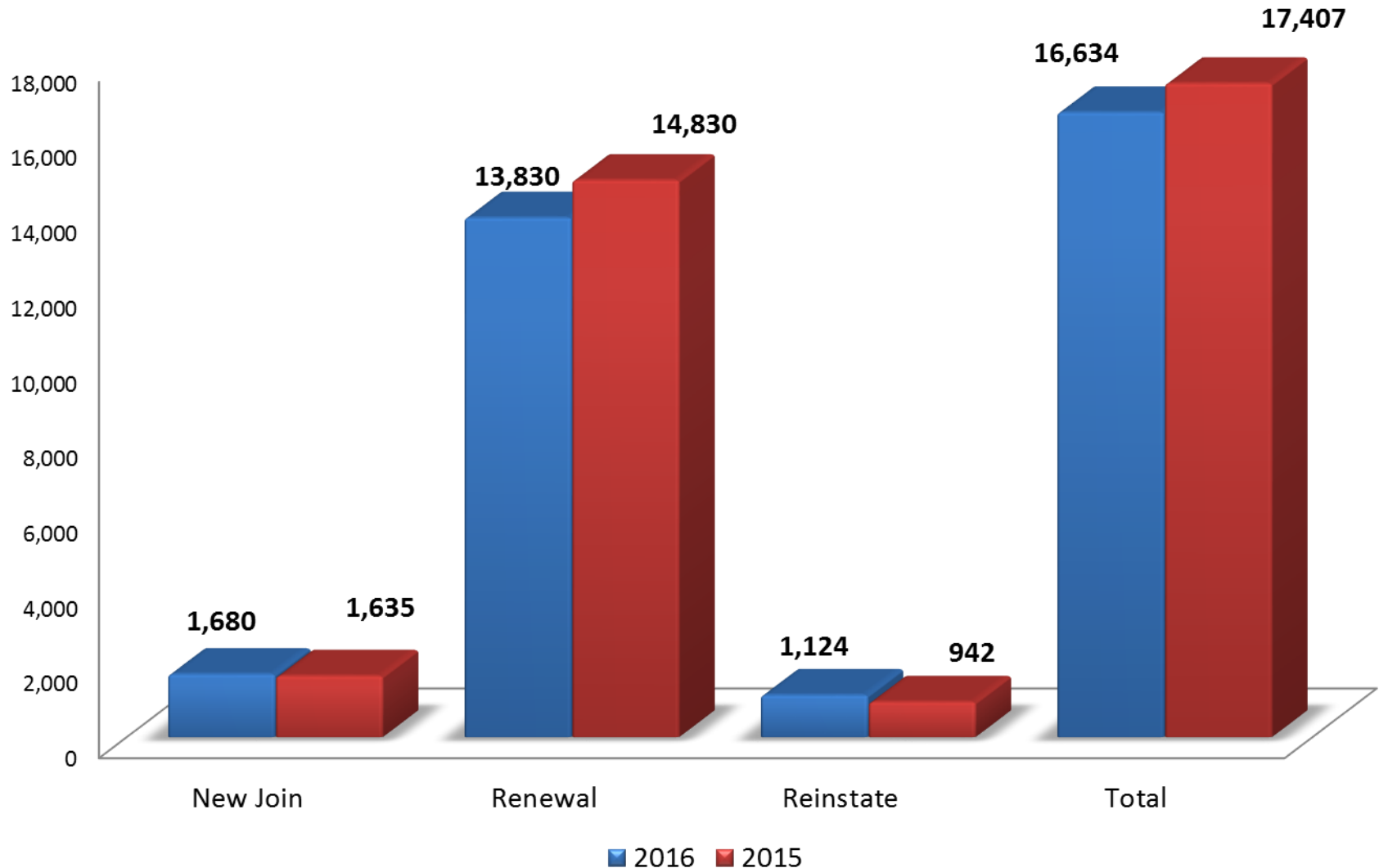
Membership Stats* (January 2016)

- ▶ **Total Society Membership: 325,745**
 - Decreased 1.9%: -6,374 members
 - 14 societies increased by more than 1%
 - 16 societies decreased by more than 1%
 - 9 societies saw increases or decreases of +/- 1%
- ▶ **IEEE-SA Membership: 6,858**
 - Increased 50 members

*All figures are end of January 2016 and reflect the same time period YoY for 2015 unless otherwise noted

eMembership: 2016 Membership Year

(16 August - 23 January)



Tech Council & Tech Community Membership Growth

- ▶ **Technical Councils**
combined memberships at **38,002 (+12,136 increase** since EOY 2014)
- ▶ **Technical Communities**
combined memberships at **57,405 (+22,303 increase** since EOY 2014)



Launched EOY 2015



Launched EOY 2015



873% growth
since EOY 2014



62% growth since
EOY 2014 & **largest
Tech Community**



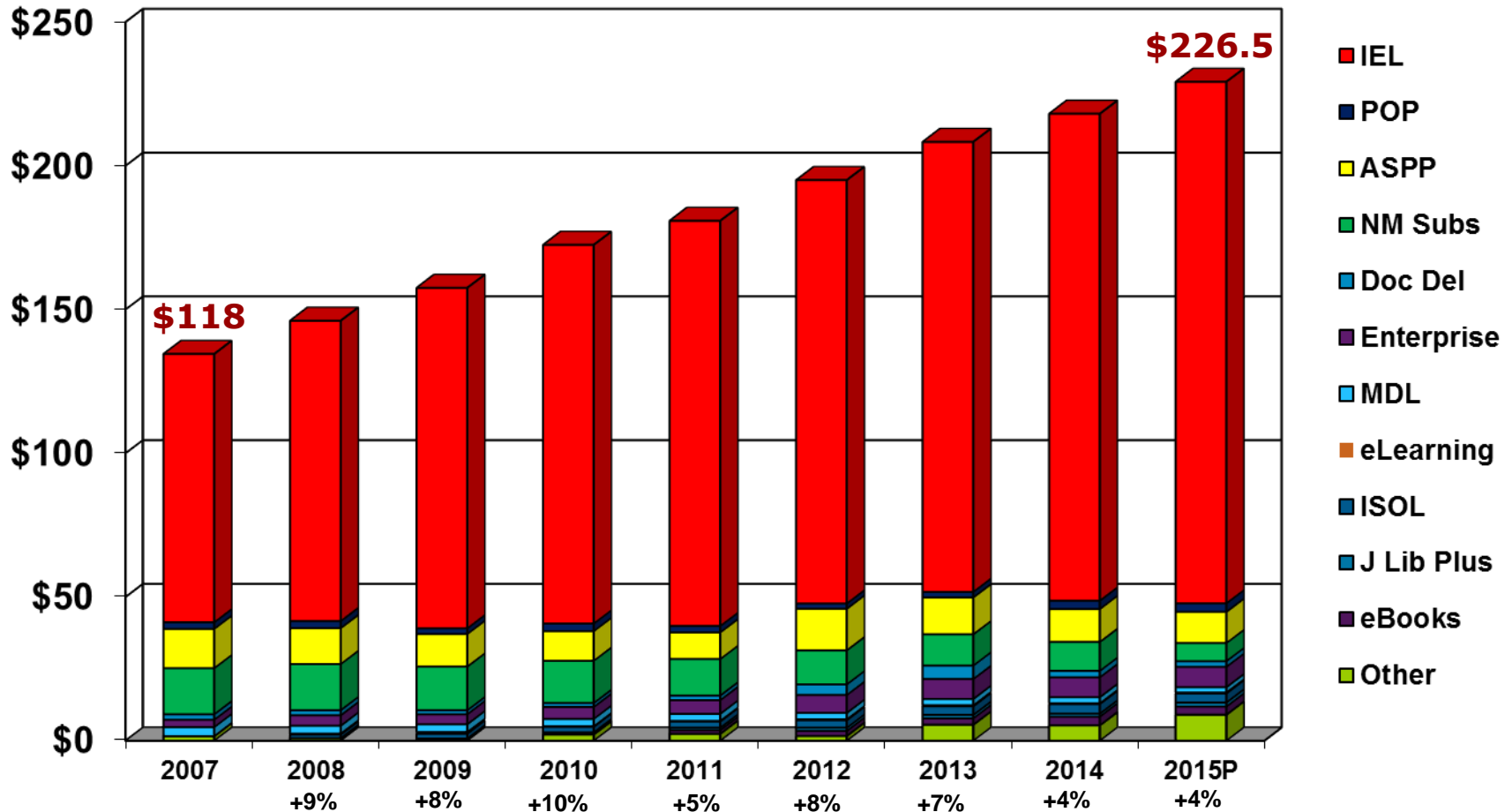
2000% growth
since Sept 2015
launch



1994% growth
since EOY 2014

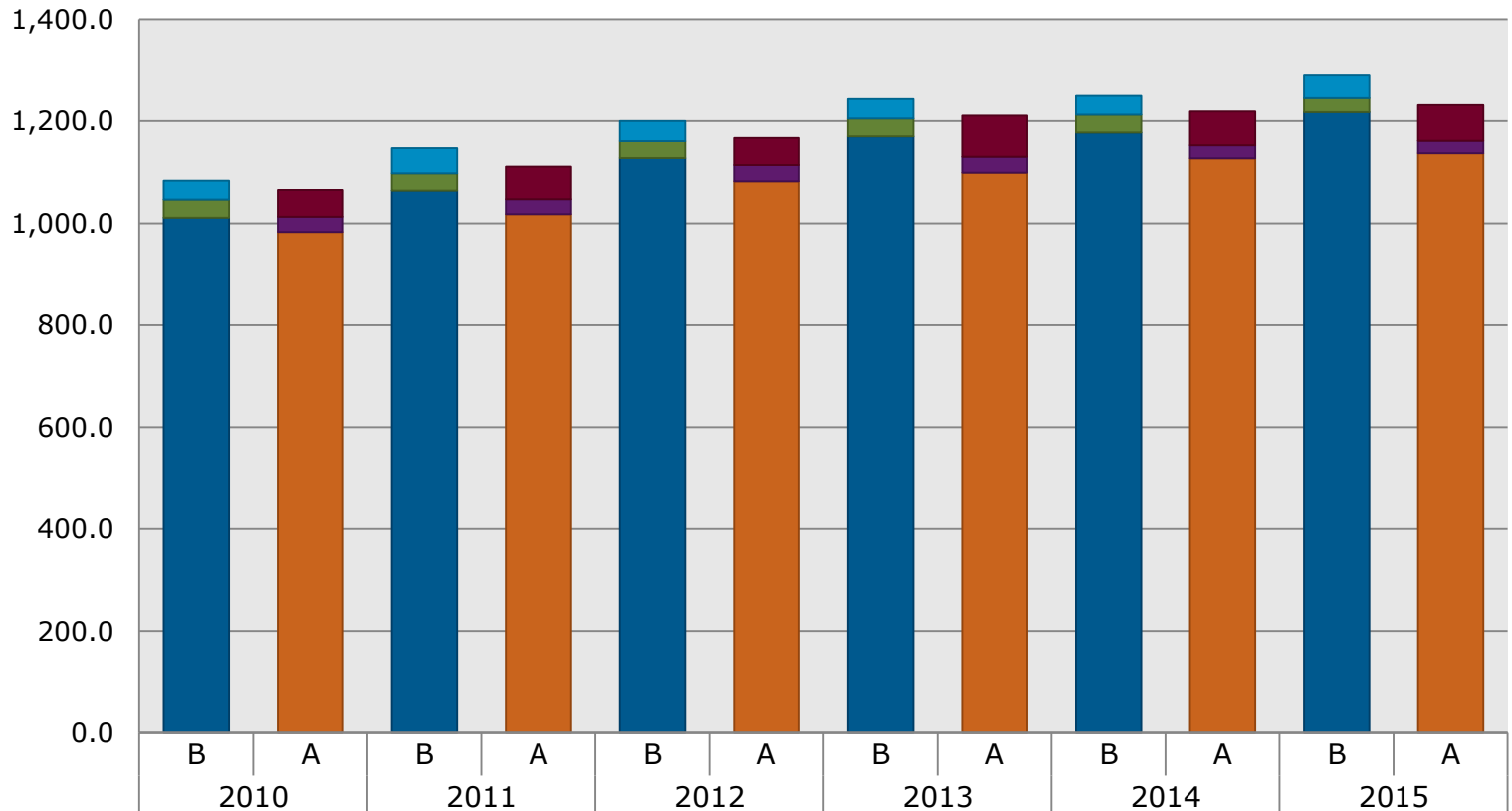
Key IEEE IP Sales Trends

2007-2015P in \$ million earned sales / 194% growth in 10 years



Employee Headcount

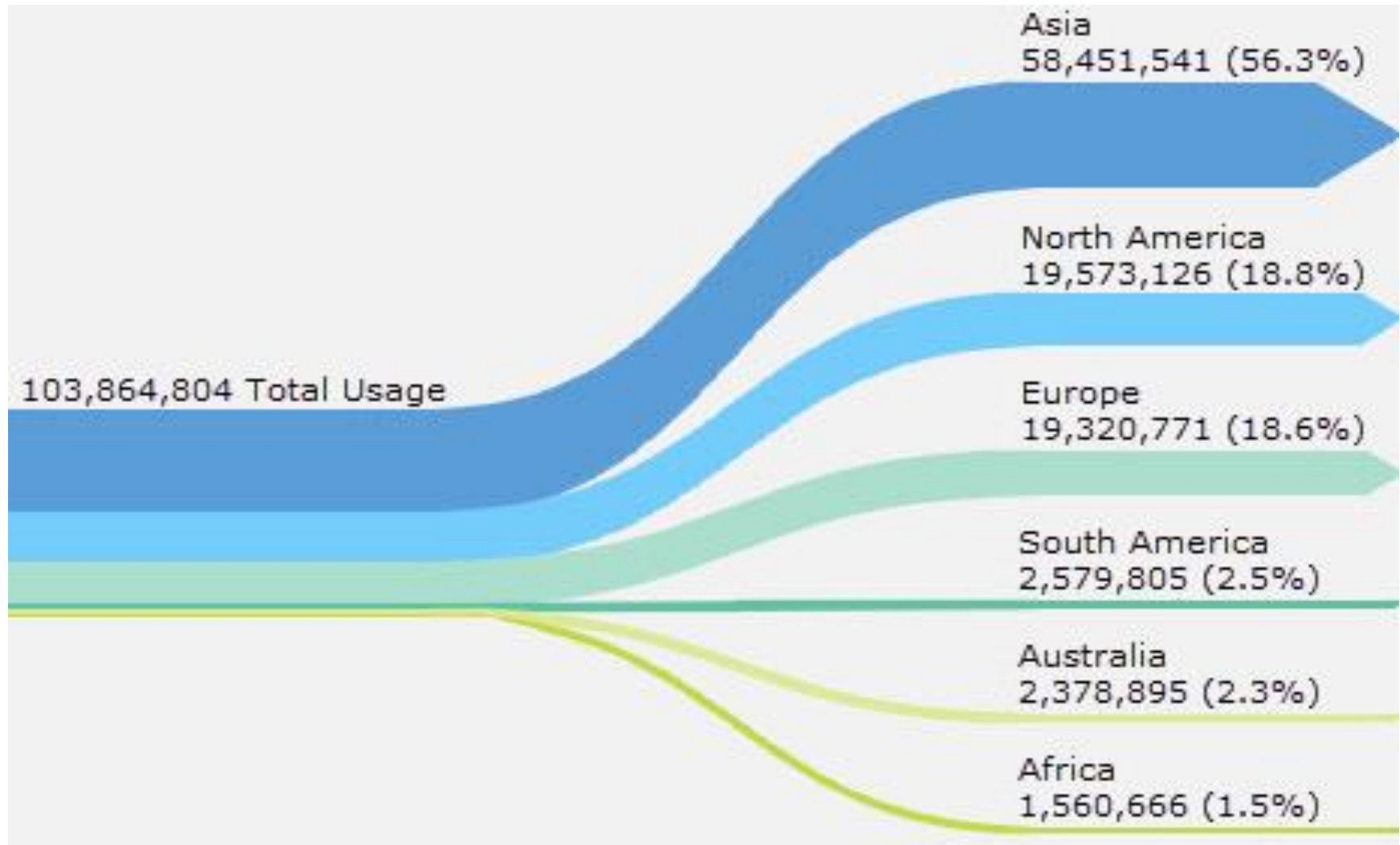
2010 to 2015 – Actual FTE



	2010		2011		2012		2013		2014		2015	
Actual Temp		52.0		64.0		53.0		81.0		66.1		69.7
Budgeted Temp	36.9		49.9		39.0		40.0		39.0		44.3	
Actual Part-time Staff		30.0		29.0		32.0		31.0		25.9		24.6
Budgeted Part-time Staff	35.5		33.5		33.0		35.0		34.5		29.1	
Actual Full-time Staff		983.0		1,018.0		1,082.0		1,099.0		1,127.0		1,137.0
Budgeted Full-time	1,011.0		1,064.0		1,128.0		1,170.0		1,178.0		1,218.0	

Products & Services Snapshots

2015 IEEE *Xplore* Usage* by Geography



ICP Achieves Multiple Milestones

Activity	Journals	Conference Proceedings	Magazines	Standards
Xplore User Interface Design	Complete	Complete	Complete	Complete
DTD/Schema Development	Complete	Complete	Complete	Complete
XML/HTML Conversion	Complete	In Process	Complete	Complete

ICP Milestones

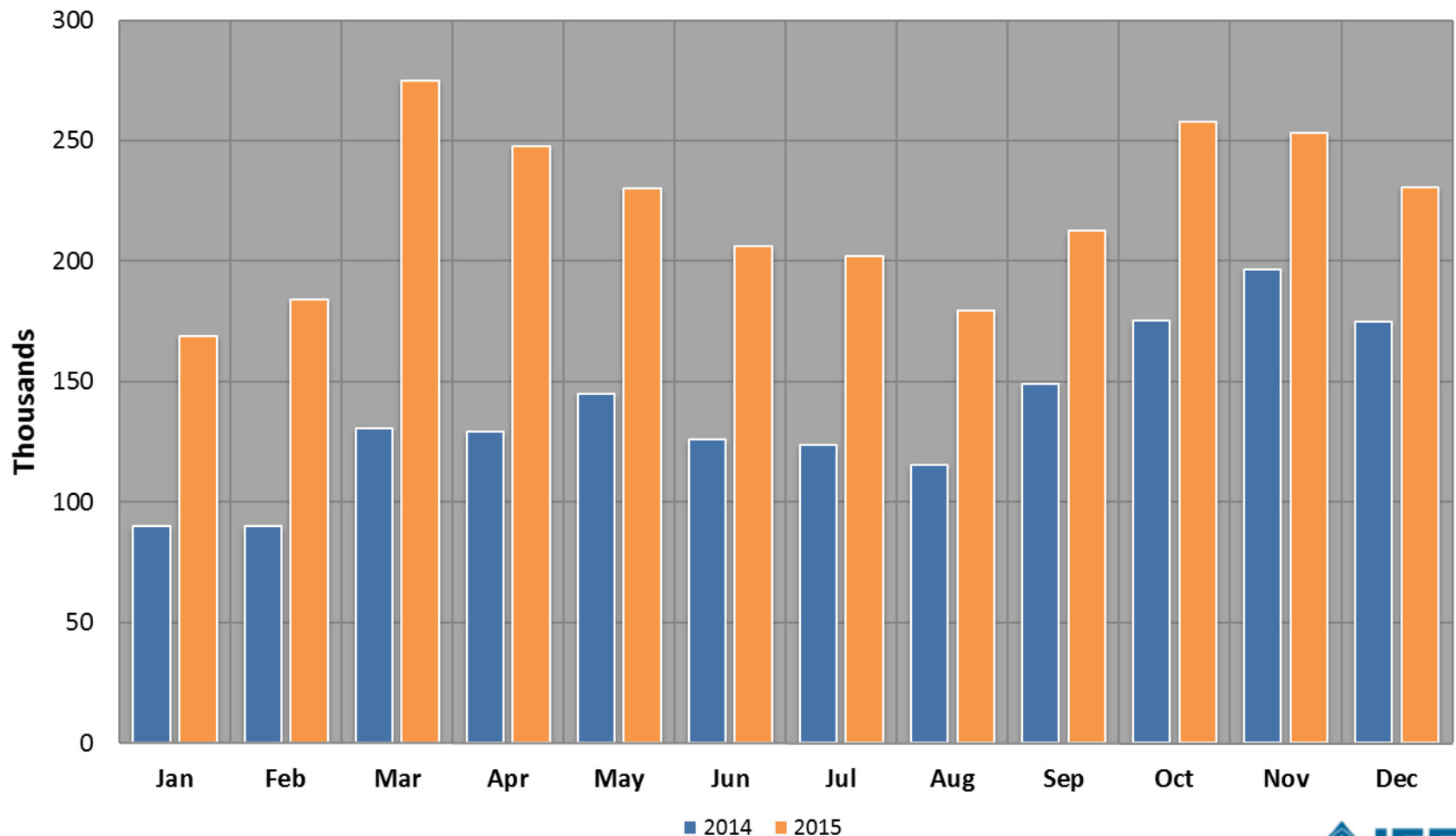
XML/HTML Conversion

- ▶ Journals back-file conversion (2001-2013) completed on 9 June 2015
- ▶ Magazines back-file conversion (2001-2013) completed on 8 March 2015
- ▶ Standards back-file conversion (2001-2014) completed on 15 January 2016
 - HTML scheduled for Q1 2016 IEEE Xplore® release
- ▶ There were 2,293,928 articles available in HTML (as of 4 February 2016)
 - 1,933,764 conference proceedings articles
 - 316,192 journal articles
 - 43,972 magazine articles

ICP HTML & Quality Metrics

- ▶ Total articles in HTML: 2,293,928
(as of 4 February 2016)
 - Total HTML errors: 909
 - HTML Accuracy: 0.99961% (Error rate: 0.039%)
- ▶ General Error Classes:
 - Content Display (Equation sizes, figure quality, formatting, extra characters, etc.) (Error rate: 10.7%)
 - HTML file data not populated (Error rate: 2.6%)
 - HTML delivery to Xplore corrupt (Error rate: 49.1%)
 - Source content mismatch (Error rate: 37.6%)

2015 Usage* of Interactive HTML Articles



- Product went live 1 February
- Official PR launch at Association of University Technology Managers (AUTM) annual meeting on 15 February in San Diego
- Initial feedback from Sales Team & prospects is positive



InnovationQ Plus

Powered by IEEE and IP.com

InnovationQ Plus is a powerful innovation discovery and analytics platform that combines deep engineering knowledge from IEEE content with IP.com's global patent and non-patent literature. Powered by IP.com's proprietary cognitive retrieval engine, InnovationQ Plus rapidly sifts through massive amounts of big data to quickly and efficiently pinpoint relevant patents, applications, and non-patent literature, delivering industry leading search results.

InnovationQ Plus enables IP discovery, analysis, and mapping of patent and non-patent material in one easy-to-use, highly accurate search tool.

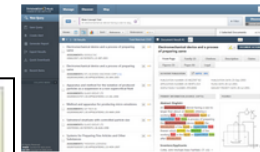
[Contact us for more information or to request a demo.](#)

Why InnovationQ Plus?

IEEE publications are critical to the patent process – IEEE is cited in patents three times more than any other publisher. Indexing the full text of IEEE publications alongside a comprehensive global patent literature database available gives you a single, integrated solution that accelerates discovery of key insights and time to market.

InnovationQ Plus allows you to:

- Identify prior art
- Determine patentability
- Gain understanding of patent



Benefits for multiple groups

- Intellectual property teams
- Patent attorneys
- Legal teams
- Technology transfer officers
- Engineering and R&D teams
- Competitive intelligence
- Strategy teams
- Sales and marketing

IEEE Collabratec™

2016 Plan: Engagement and Expansion

Goal

Transition from project status to commercial enterprise platform. Drive expanded use of IEEE Collabratec across IEEE, and among target constituencies, to increase platform engagement and associated income opportunities.

Member Experience Improvement

- Improving member satisfaction with professional networking and career-related services
- Deploying members-only features and benefits
- Maintaining relationships with former members, and returning them to active membership status

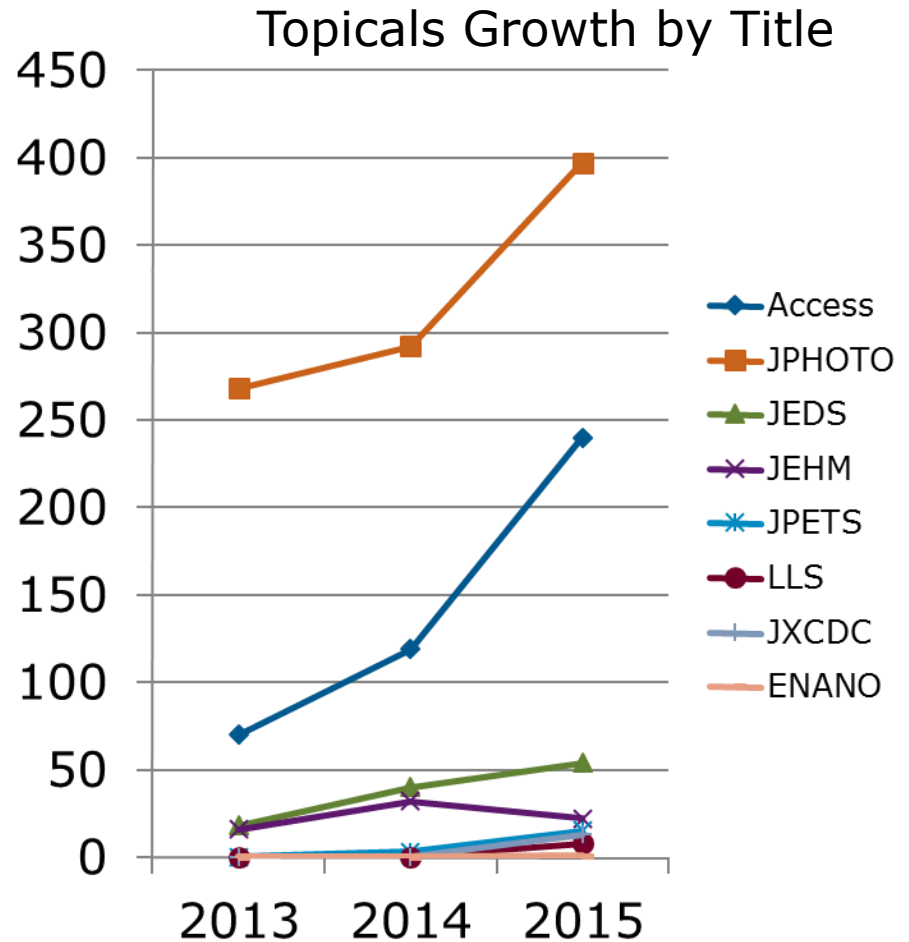
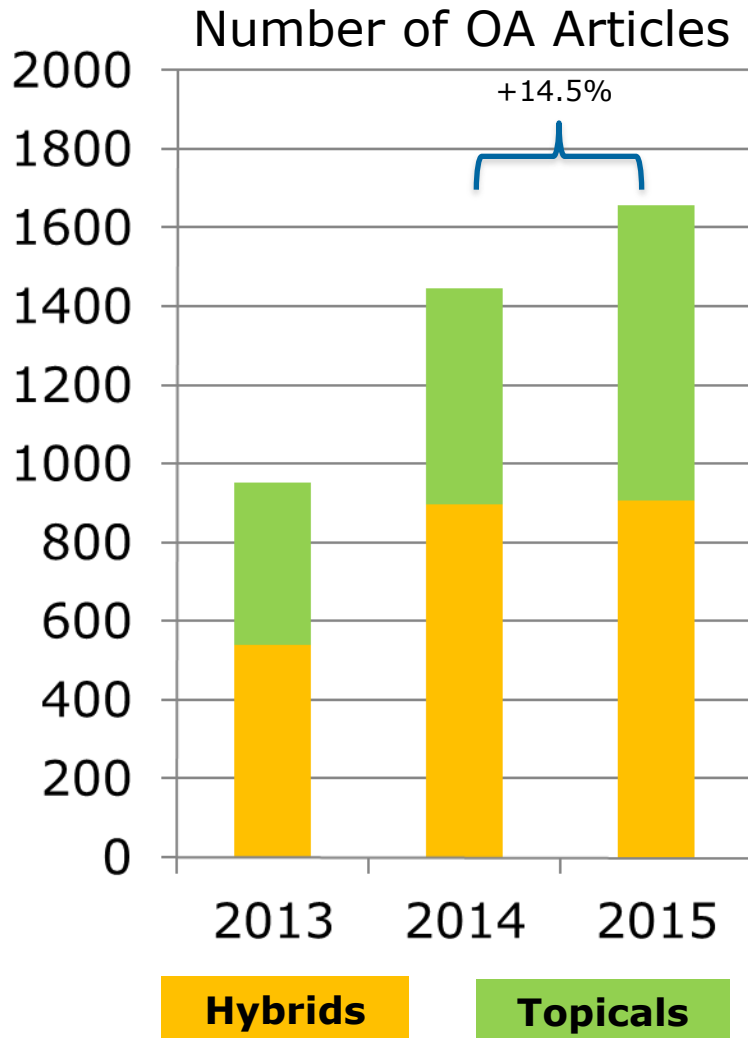
Project Success - Metrics

- 50,000 total users by December 2016
- Improved (30%+) top box satisfaction with "Opportunities for Professional Networking"
- 35% of higher Top Box satisfaction with IEEE Collabratec
- \$200K in revenue from recruiters, and advertisers

Identified Milestones to date

Milestone	Target Completion
Re-organize program team to align w/commercial status	Q1-2016
Deployment of recruiter interface	Q1-2016
Deployment of Mentoring partnerships	Q3-2016
Mobile App	Q4-2016
50,000 total users	Q4-2016
1M monthly page views	Q4-2016
Advertising, Recruitment Package Income	Q4-2016

Open Access Article Trends 2013-2015



EA Pre-University TISP

- ▶ The first Mediterranean **Teacher In-Service Program** workshop held in Athens, Greece helped volunteers in Bosnia, Cyprus, Croatia, Malta, Palestine, and Greece develop plans to support teachers



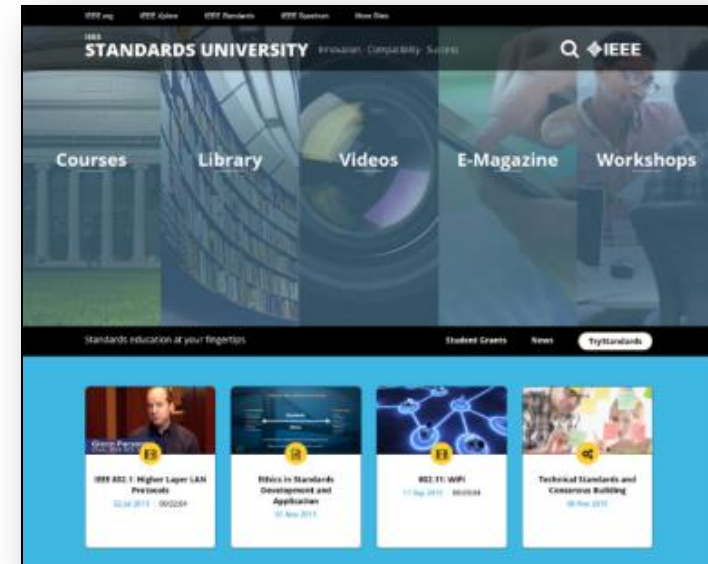
*"Education is the kindling of a flame,
not the filling of a vessel."
Socrates
Greek Athenian Philosopher
(470 BC - 399BC)*

TISP Workshop documentary:

18 <https://www.youtube.com/watch?v=G1Oue4l7jmY>

Joint Initiative of EA and IEEE-SA IEEE Standards University Project

- ▶ November 2014 NIC approved funding to create IEEE Standards University, a multi-track initiative intended to expand IEEE's Standards Education for educators, students, and professionals
- ▶ First phase of the 3-year project was completed year-end 2015 with the launch of StandardsUniversity.org
- ▶ “Innovation & Competition: Succeeding through Global Standards” launching March 2016
 - MOOC
 - Six-week course to be released
 - Funded by the IEEE Foundation



IEEE-SA: **Leveraging Technological Insights**

- ▶ Submitted a liaison statement to ITU-T SG20 on the ITU-T IoT Standards Roadmap that contained a list of IEEE standards and projects in IoT to be included in the IoT Standards Roadmap
- ▶ IEEE President Howard E. Michel and IEEE-SA President Bruce Kraemer spoke at the 2nd World Internet Conference (WIC), 16-18 December in Wuzhen, Zhejiang, China
- ▶ IEEE endorsed the goal of universal access to the Internet and commended the US Department of State on the launch of Global Connect
- ▶ The IEEE Internet Initiative ran an Experts in Technology and Policy (ETAP) Forum in Washington, DC on 5 February

Industry Award Nominations 2016

- ▶ Spectrum is a finalist in 4 categories at this year's Neal Awards:
 - **Best Website**
 - **Best Infographic**, for "Lessons From A Decade of IT Failures," by Bob Charette and Josh Romero
 - **Best Technical Content**, for "The Chip That Never Forgets"
 - **Best Media Brand**, the Neal's equivalent of "General Excellence"
(print magazine, website, digital edition, etc.)



Questions or Comments?