SREB

Revising Ten Issues for 2016

Educational Technology Cooperative

Also Known As…

Getting new tennis shoes
in 2016!

Current Ten Issues from 2013

1. Data Definitions
2. Data Systems
3. Data Analytics
4. Bandwidth
5. Emerging Technologies
6. Instructional Innovation
7. e-Learning Support
8. Competency Based Learning
9. Professional Development
10. Policy

Suggested Revisions from Fall Meeting

2016	Current	Notes
1. Data Systems	1. Data Definitions	Incorporate into others
2. Predictive Analytics	2. Data Systems	Keep, include data def.
3. Data Privacy – include K12 vs. HEd FERPA, how data is used	3. Data Analytics	Revise to predictive analytics
4. Bandwidth	4. Bandwidth	Keep
5. Emerging Technologies	5. Emerging Technologies	Keep – but include Prof Dev on these tech. tools
6. CBE and other instructional innovations, such as adaptive learning, self-paced, etc.	6. Instructional Innovation	Incorporate instructional innovations under CBE heading
7. Student Digital Literacy	7. e-Learning Support	Incorporate into others
8. Technology Security	8. Competency Based Learning	Keep but include adaptive learning, self-paced, Prof. Dev., etc.
9. ADA Compliance	9. Professional Development	Incorporate into others
10. Policy	10. Policy	Keep

What do others include in the top 10?

American Assoc. of State Colleges & Universities 2015 Top 10 **Policy** Issues

1. Tuition Policy
2. State Appropriations for higher education
3. Campus sexual Assault
4. Veteran Education Benefits
5. Undocumented students
6. Guns on Campus
7. Postsecondary Education Standards Alignment
8. State Student Aid Programs
9. Performance Based Funding
10. Free Community College

https://www.luminafoundation.org/files/resources/top-ten-matters.pdf

Educause 2016 Top 10

http://er.educause.edu/articles/2016/1/top-10-it-issues-2016

DIFFERENTIATE

2: Optimizing educational technology

3: Student success technologies

7: BI and analytics

10: E-learning and online education

REINVEST

1: Information security

4: IT workforce hiring and retention
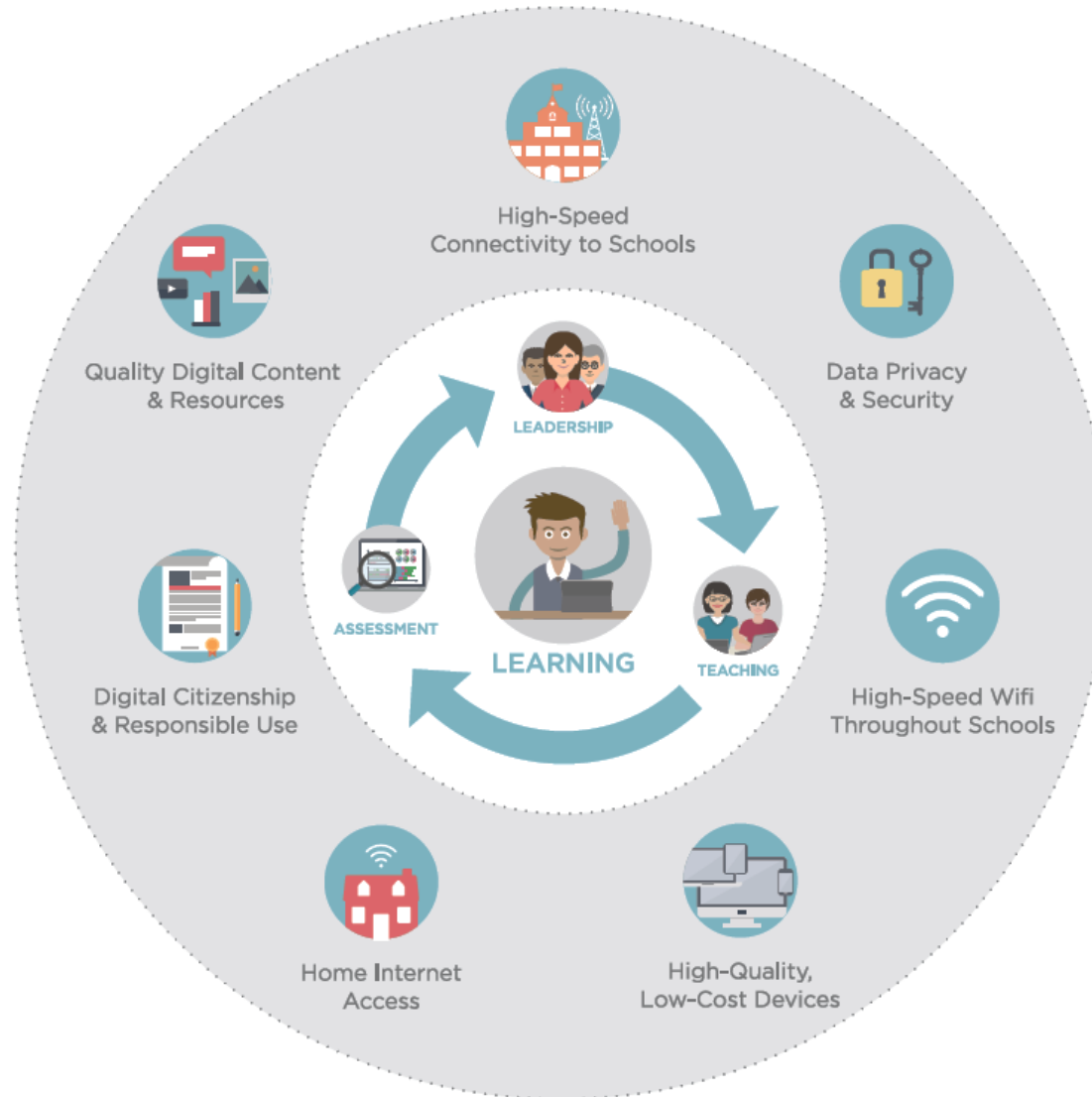
6: IT funding

9: IT organizational development

DIVEST

5: Institutional data management

8: Enterprise application integration

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USDOE Future Ready Learning

2016 NATIONAL EDUCATION TECHNOLOGY PLAN JANUARY 2016 U.S. DEPARTMENT OF EDUCATION http://tech.ed.gov

INFRASTRUCTURE

To Support Everywhere, All the Time Learning

High-Speed Connectivity to Schools

Data Privacy & Security

High-Speed Wifi Throughout Schools

High-Quality, Low-Cost Devices

Home Internet Access

Digital Citizenship & Responsible Use

Quality Digital Content & Resources

LEADERSHIP

LEARNING

ASSESSMENT

TEACHING

Campus Computing Project 2015 Survey

1. Supporting faculty integration of IT for instruction (80%)
2. Hiring and retaining qualified IT staff (78%)
3. Providing user support (78%)
4. Upgrading/enhancing network and data security (76%)
5. Leveraging IT resources to support student success (74%)

http://www.ecampusnews.com/top-news/campus-computing-priorities-270/?

94% of CIOs – Digital resources make learning more efficient

60% of Univ. had network attack in 2015

96% of CIOs – Adaptive learning has great potential to improve student learning outcomes

2016 Horizon Report

New Media Consortium and Educause Learning Initiative
https://net.educause.edu/ir/library/pdf/HR2016.pdf
Trends accelerating technology adoption
Significant challenges impeding technology adoption
Important developments in educational technology

Citation
Johnson, L., Adams Becker, S., Cummins, M., Estrada, V.,
Freeman, A., and Hall, C. (2016). *NMC Horizon Report: 2016
Higher Education Edition*. Austin, Texas: The New Media
Consortium.

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Key Trends Accelerating Technology Adoption in Higher Education

Long-Term Impact:

Advancing Cultures of Innovation

Rethinking How Institutions Work

Mid-Term Impact:

Redesigning Learning Spaces

Shift to Deeper Learning Approaches

Short-Term Impact:

Growing Focus on Measuring Learning

Increasing Use of Blended Learning Designs

Significant Challenges Impeding Technology Adoption in Higher Education

Solvable Challenges:

Blending Formal and Informal Learning

Improving Digital Literacy

Difficult Challenges:

Competing Models of Education

Personalizing Learning

Wicked Challenges:

Balancing Our Connected and Unconnected Lives

Keeping Education Relevant

Important Developments in Educational Technology for Higher Education

One Year or Less:
Bring Your Own Device (BYOD)
Learning Analytics and **Adaptive Learning**
Two to Three Years:
Augmented and Virtual Reality
Makerspaces
Four to Five Years:
Affective Computing
Robotics

The Next Big Thing: Mortimer Spinks

THE NEXT BIG THING: JOBS, TECH, DISRUPTION

There's always a next big thing in tech and this year Bio Tech, AI and the Internet of Everything top the list. Unsurprisingly as the next big things become today's reality, brand new jobs to build or support them are created. This year 'Artificial Intelligence Engineer', 'IoT Architect' and 'Chief Cloud Officer' stand out as brand new jobs that as little as five years ago you'd have been forgiven for mistaking as punchlines. Unsurprisingly there is broadly a consensus that the next sector most likely to be disrupted is healthcare, an area you can easily imagine technology offering brand new alternatives. Whatever happens, there will be another next big thing, job title and area for disruption next year; there always is.

James Hallahan, Managing Director
Mortimer Spinks
UK
http://www.computerweekly.com/ehandbook/The-Technology-Industry-Survey-2015

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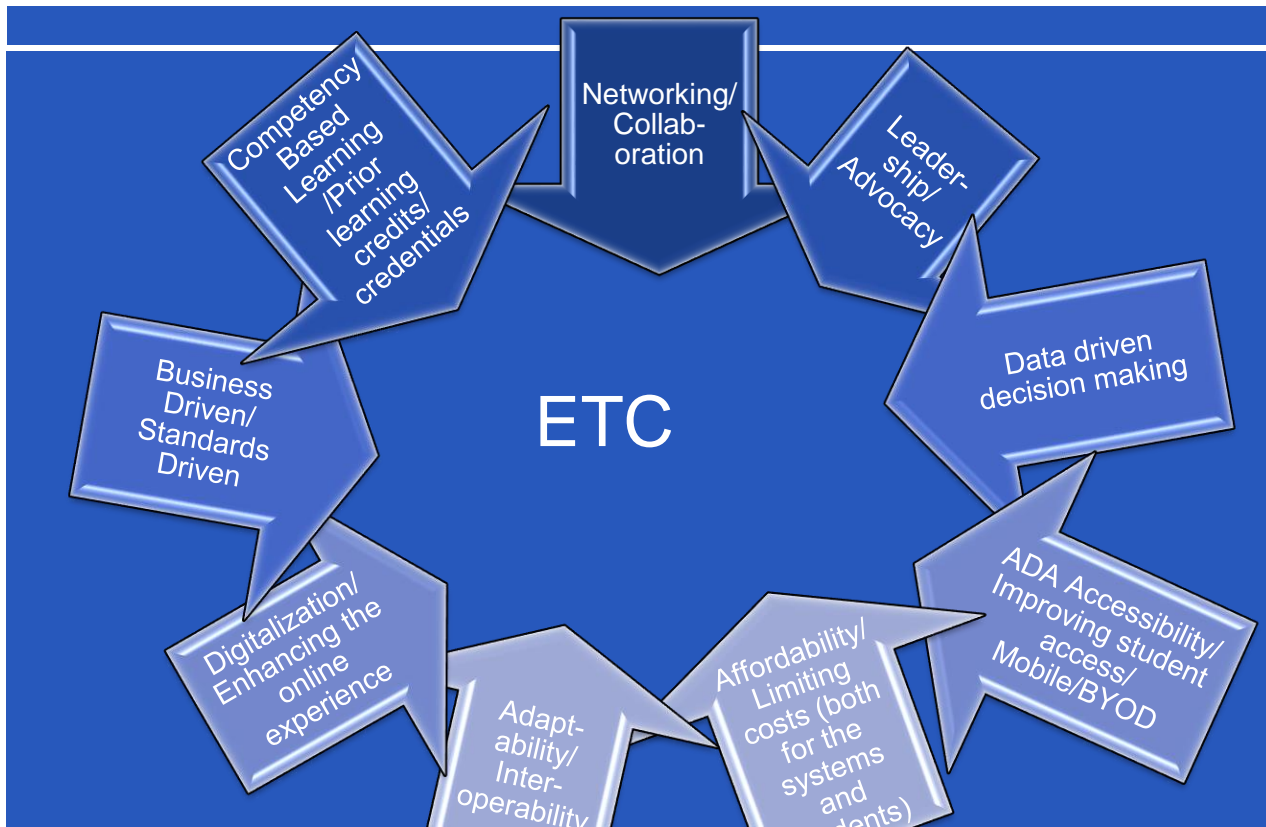
Gartner 2015 Education Top 10

Strategic Technologies
1. Adaptive Learning
2. Predictive Analytics
3. CRM (Enrollment, Alumni, etc.)
4. Exostructure
5. Open Microcredentials
6. Digital Assessment
7. Cognitive Computing
8. OER
9. Listening and sensing technology
10. Collaboration Technology

Gartner Education Hype Cycle 2015

![SREB Educational Technology Cooperative logo]

ETC
1-Page
Strategic
Plan:

- Vision
- Mission
- Core Values
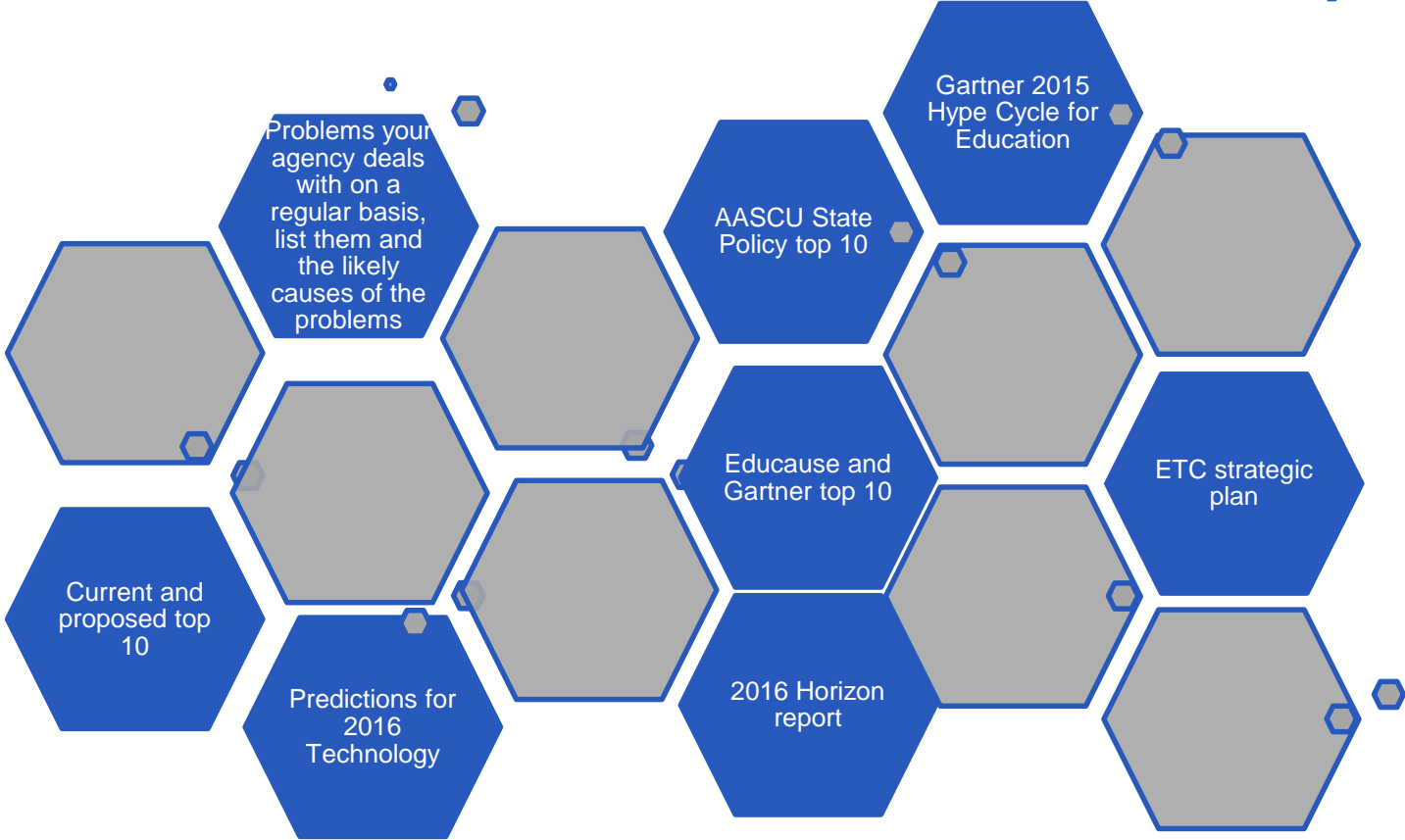- Guiding Principles
- Action Agenda

![SREB logo]

Vision:
Advancing Education Through Technology

Mission:	To create a culture of collaboration in order to improve education through technology research, best practices, and policy.	**E**ngage **T**ransform **C**onnect

ETC

- Networking/Collab-oration
- Competency Based Learning /Prior learning credits/credentials
- Leader-ship/Advocacy
- Business Driven/Standards Driven
- Data driven decision making
- Digitalization/Enhancing the online experience
- Adapt-ability/Inter-operability
- Affordability/Limiting costs (both for the systems and students)
- ADA Accessibility/Improving student access/Mobile/BYOD

TEN ISSUES

1. Data Definitions
2. Data Systems
3. Data Analytics
4. Bandwidth
5. Emerging Technologies
6. Instructional Innovation
7. E-Learning Support
8. Competency-Based Learning
9. Professional Development
10. Policy

Other Considerations for ETC Top 10?

Problems your agency deals with on a regular basis, list them and the likely causes of the problems

Gartner 2015 Hype Cycle for Education

AASCU State Policy top 10

Educause and Gartner top 10

ETC strategic plan

Current and proposed top 10

Predictions for 2016 Technology

2016 Horizon report

Are there other technology trends and issues we might want to consider in our top 10 for 2016? Discussions with your technology stakeholders (CIO, CAO, Faculty leaders, etc.)

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Poll

Are these the best 10 Issues for ETC for 2016-2018?

1. Data Systems	6. CBE and other instructional innovations, such as adaptive learning, self-paced, etc.
2. Predictive Analytics	7. Student Digital Literacy
3. Data Privacy – include K12 vs. HEd FERPA, how data is used	8. Technology Security
4. Bandwidth	9. ADA Compliance
5. Emerging Technologies – including professional development on these technologies	10. Policy

New Three Year Process

Current Questions:

What is the issue and why is it important?

What is the status in SREB states?

What if SREB states do not address or make adequate progress on this issue?

What measurements can SREB states use to assess progress?

What are some next steps SREB states can take?

Where can I learn more?

Year 1: 2016

What is the issue, Why is it important, What if we do nothing?

Bib. (where can I learn more)
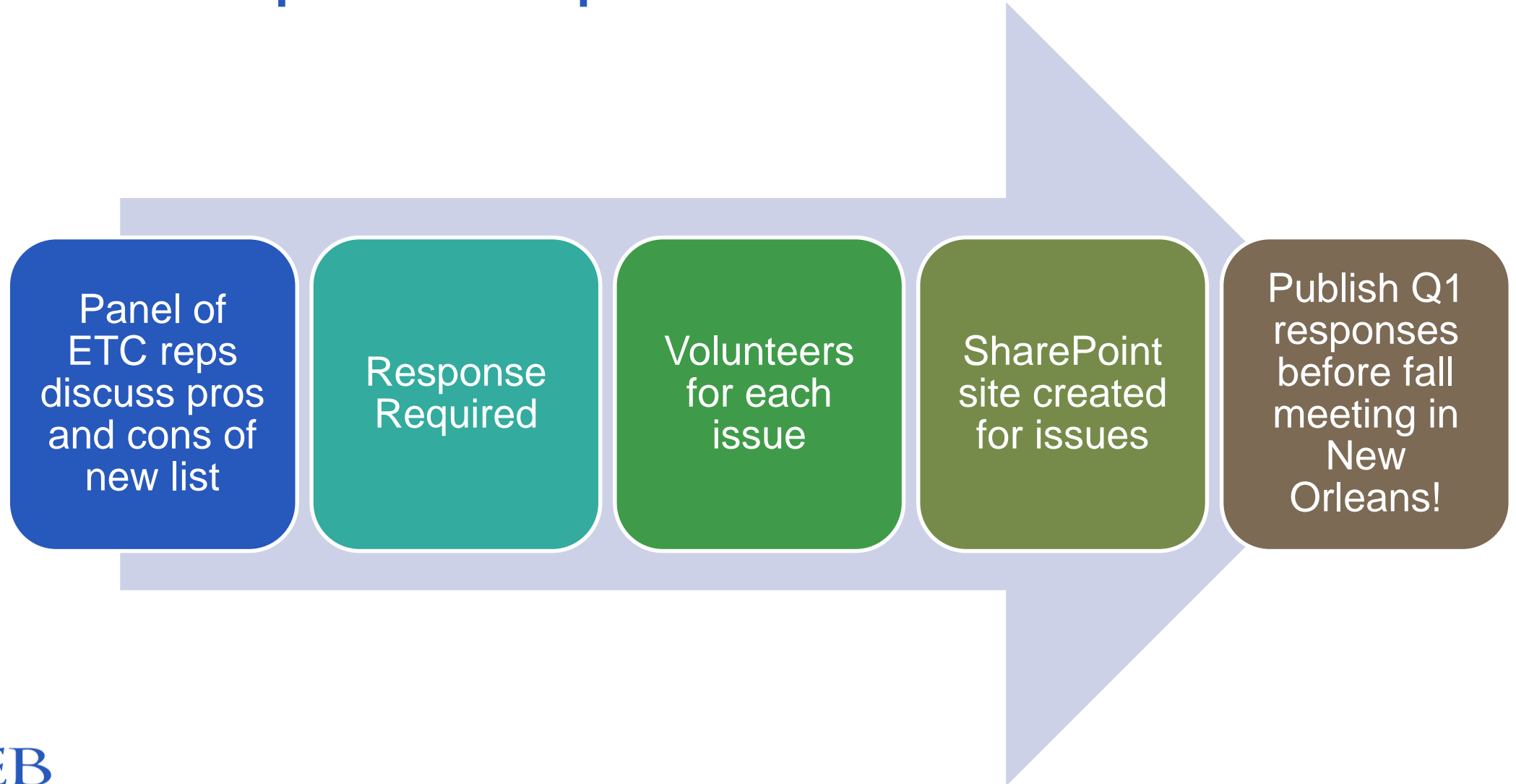
Publish before Fall 2016 meeting

Year 2: 2017

What are the measurements?

What is the status in SREB states?

Year 3: 2018

Next steps or recommendations

Publication

Next Steps for Top 10

Panel of ETC reps discuss pros and cons of new list

Response Required

Volunteers for each issue

SharePoint site created for issues

Publish Q1 responses before fall meeting in New Orleans!

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Process for New Issues

http://www.sreb.org/page/1669/10_issues_in_ed_tech.html

Spring Webinars

- SARA and SECCRA Update, 2/23/15

- ADA Compliance:
2 webinars and possible F2F session in Atlanta

Thank you for attending!