



Grand Challenges in Higher Education Assessment 2021-2026 Strategic Plan

Produce actionable and visible assessment findings that drive innovation and improvement

Introduction

The field of assessment has shifted from conducting assessment to demonstrate compliance towards producing actionable assessment findings to drive innovative learning improvement and informed decision making (Blaich & Wise, 2018; Pasquerella, 2018). To effectively drive innovation, it is essential to improve assessment methodology so that assessment findings inform our understanding of the outcomes associated with innovative practices. We must identify the causes of gaps in student learning and success, identify evidence-based solutions, determine whether selected interventions are implemented correctly, and measure the extent to which interventions drive improvements (Eubanks, 2017; Fulcher, Smith, Sanchez, Ames, & Meixner, 2017). To move towards an innovative, visible, and actionable model of assessment, institutions must develop institutional frameworks of integrated institutional effectiveness (IIE). IIE requires the purposeful coordination and integration of institutional functions and processes that support institutional performance, quality, and efficiency (AHEE, 2021). As can be seen in Figure 1, within the triad of teaching and learning, discovery, and engagement, there must be integration between strategic and operational planning, outcomes assessment, institutional research, regional and specialized accreditation, and program/unit review. Integrated institutional effectiveness will encompass all that an institution does and tie it directly to its mission.

Frequently assessment is only seen through the academic lens when it has the potential to address the academic, co-curricular, extra-curricular *and* administrative aspects of the institution. An expanded view of assessment sets the stage for integrated planning, collaborative governance, and change agility informed by data. Under this evolved strategy, innovative processes tie in well with braver and safer spaces to discuss the data which allows institutions to: Foster collaboration across campus units to become a mission-driven and data informed; Provide opportunity for members of the campus community to craft programs that advance academic excellence, discovery and engagement, and foster student learning and development; Use institutional performance measures to link student learning outcomes data to institutional planning and budgeting, resource allocation, and priority setting; Monitor environmental trends that extend the distinctive competitive advantage of institutions while attending to internal challenges and external threats; Model collaboration and transparency in the use of institutional performance data, and; Promote a campus culture of continuous improvement to ensure institutional vitality and operational excellence (Seymour & Bourgeois, 2018).



Full Plan

Goal 1: Advance innovative approaches to institutional excellence

Challenges have emerged in higher education since the mid 1990’s, including politicization of higher education, decreased student enrollment, and COVID-19 (Klor de Alva & Christensen, 2020; Lesane II, 2020). These stressors and catalysts of change render a commitment to changes in institutional effectiveness a national priority (Metz, 2020). Linking integrated planning (IP) to the work of institutional effectiveness (IE) is key to creating mission-driven institutional improvements. IP is an innovative and sustainable approach to planning that builds relationships, aligns the organization, and emphasizes preparedness for change (Santilli, 2018). The organizational alignment, fundamental to IP must occur both within and between units, so that staff and faculty work in collaboration to meet their institution’s mission and goals, by displaying proactive long-term planning and operational agility. IP promotes and sustains institutional effectiveness and excellence. In view of this, IE offices should be situated in and inform strategic and operational integrated planning (see Figure 1).

Objective 1.1. Improve integrated planning skills in senior leadership, faculty, and staff

Successful innovations require integrated planning across an institution. Operationalizing IP requires cross-functional teams and boundary-spanning leadership that link strategy and implementation within and between domains and develop skills across units. To actualize these goals, IE professionals must be prepared to function at the nexus of strategic, tactical, and departmental planning and IE offices should serve as a “command center” within an institution’s infrastructure and work in concert with senior leadership to conduct the internal and external analyses that inform strategic, tactical, and departmental plans.

Year	National Tactics	Local Tactics
1	Develop IP communications toolkit for use by leadership - Work with organizations to define roles for IE and IR, describe how IP and IE work differs from IR, assessment, and accreditation	Provide resources for linking budget/resource allocation to goals and assessment findings
2	Develop a toolkit for use in IP - Include templates for environmental scans, structural, personnel, and process changes.; see SCUP models; Create tools to assess the quality and quantity of IP	Improve resources for IP - invest in SCUP, Bryson, and other similar organizations
3	Promote national training opportunities through organizations for IE and IR to develop IP skills (see Appendix C)	Train administrators, faculty, and staff in IP
4	Encourage national organizations to support development of IE training network - Establish partnerships (AIR, SAAL, AALHE, NASPA, SCUP, ACPA) to define IP and IE in student affairs and co-curricular areas; create IP strategies for IE in these contexts	Integrate student affairs and co-curricular/experiential learning into IP
5	Create mechanisms for recognizing best practices in use of IP , such as a Baldrige Award or special journal issues; Secure funding and establish award criteria; create IE certifications	Apply for an IP award to recognize campus accomplishments

Costs: content developers, marketing plans aligned with the programs, communications, graphics, funding for awards

Performance Outcome: By 2026 there will be a national consensus on best practices for IP and training will be readily available to support high quality IP at institutions of higher education. Each subsequent year a higher proportion of institutional staff and leadership will be trained in IP.



Objective 1.2. Increase the use of integrated planning

Institutions trying to increase the speed of improvements through IP lack guidance regarding the skills needed to successfully integrate planning. Strategic alliances and a cohesive plan must be developed to encourage momentum within the assessment and higher education community. Agreement around the skills needed and the practices that should be followed to accomplish IP will help institutions of higher education more effectively drive innovations and improvements. To improve IP, we must improve the extent to which we follow individual students over time. Through analyses of when and how to change via constant environmental scanning of both the internal and external environments impacting the institution, integrated planning creates a culture of innovation and enables campuses to be change-ready. Assessment, program review, and institutional planning efforts help institutions calibrate their internal operations according to external demands to remain nimble and future oriented.

Year	National Tactics	Local Tactics
1	Develop national framework for IE – describe IE and how IE relates to IR; Create IE badges or micro-credentials; Create certification programs to recognize skilled IE professionals capable of IP	Create IE offices that are part of institutional leadership and oversee all aspects of planning, assessment, and related activities; advocate for sufficient staffing – See data at https://www.cupahr.org/
2	Develop software to integrate information from multiple units –learning management and student information systems, financial aid, co-curricular, alumni, admissions, graduate student application, and support services	Incorporate institutional effectiveness badges or micro-credentials in educational leadership and higher education degree programs
3	Advocate for participation in national system assigning individual K-12+ ID numbers that travel with students from kindergarten through graduate study - Professional organizations can advocate for State and federal agencies to tie financial incentives to establishment of individual ID numbers	Unify assessment, planning, program review, and research - Provide professional development to support integration
4	Create mechanisms for sharing information on data integrity, veracity in reporting, and data governance	Improve access to data for IP and improving student learning – identify barriers and implement strategies
	Develop templates for RFPs for purchasing software for managing, integrating, and extracting data	Implement data sharing practices - Identify and train management team; develop implementation plan; build confidence and awareness
5	Conduct research on the effectiveness of IE and IP - Determine metrics to assess institutional IP efficacy. Encourage research via special calls	Adopt systems for documenting student learning over time: Consider a comprehensive learner record



Year	National Tactics	Local Tactics
1	Create best practices and criteria for recognition around “promising failure” data storytelling - Limit power differentials among stakeholders; engage stakeholders in program and institutional-level assessment work; design avenues for reflection on promising failures	Create campus norms, practices or structures that allow IE experts to confer honest accounting of the data “the good, the bad, and the ugly” to leadership without fear of reprisal
2	Create national incentives the sharing of the “good, bad, and ugly” assessment data - Identify organization to sponsor recognitions; Issue calls for recognition; Offer recognitions	Add a level of peer review to assessment reports – invite peers to focus on what can be learned from failures
3	Disseminate best practices through conference presentations and publications	Have IE professionals report directly to senior leadership - Revise job descriptions to include new hierarchy

**Note about local tactics: We need to value incremental change, which can be transformative over time (usually takes 3-5 years for incremental change to produce significant changes in institutional culture).*

Costs: Recognitions, conference attendance

Performance Outcome: By 2026 assessment discussions will take place at more institutions and be viewed as opportunities to examine successes and failures to make future improvements.

Objective 1.5. Create opportunities to experiment with alternative approaches to teaching

Innovation and improvement require the safety to try new techniques. In ‘brave spaces’ faculty can experiment with innovative teaching strategies, course structures, and assignments without fear of negative consequences for early efforts that do not function as expected. Policies that allow faculty to note innovative strategies in promotion and tenure discussions by adding additional points for trial strategies or allowing faculty members to exclude one semester of course evaluation data from high-stakes decision processes may create a safe zone for exploration of new curriculum and teaching models.

Year	National Tactics	Local Tactics
1	Create best practices that encourage faculty to innovate and protect them from negative consequences – Consider reappointment, promotion, and tenure guidelines	Revise policy and practices to encourage innovation - Create proposal for exemption from review or temporary exclusion of course evaluations in tenure and promotion; Create processes for small and complex innovations
2	Disseminate best practices	Establish a grant for innovative teaching strategies - Determine budget ‘buckets’ based on cost for approvals; Establish a proposal submission process
3	Gather case studies of campuses following best practices	Draft proposals for alternative teaching assignments - Consider submission timeframes (annual/other), review process, Approval process, Publication of approved proposals



2.3. Improve data interpretation by increasing stakeholder engagement in the interpretation of findings

To drive innovation and improvement we must create spaces for stakeholders to discuss assessment findings. The intentional sharing of data from the unit level to the institution connects micro-level reporting with institutional (macro-level) decision makers, increasing the usefulness of the data. Intentional collaboration between data stakeholders, including academic affairs, student affairs, finance, enrollment, students, and governance bodies, is necessary to identify, understand, and encourage improvements (Moreno & Song, 2021). To accomplish this, a comprehensive communications and knowledge translation plan is essential.

Year	National Tactics	Local Tactics
1	Create templates, resources, and best practices for communications and knowledge translation plans that will engage stakeholders in the interpretation of assessment findings	Adopt a stakeholder engagement framework - Identify groups of stakeholders; select engagement framework; Create implementation plan; Engage in dialogue with stakeholders regarding their understanding and developing expertise; Post engagement framework (hard copy and electronic); use it in decision-making.
2	Pilot template and resource use at institutions - Train institutions on sharing reports and provide template/resources; Help institutions outline internal and external subject matter experts	Share micro-level (unit) assessments at the institutional level – follow your stakeholder engagement framework to solicit broad feedback and discussion
3	Revise templates and resources – use feedback to make improvements	Increase inter-unit communications by encouraging expert subject matter reviews of academic programs and support services effectiveness reports
4+	Reward/recognition programs for stakeholder engagement “Best practice or Good Practice” documents	Increase micro-to-macro level communication – encourage discussions of assessment findings by governance bodies; create policies to encourage review of assessment findings prior to decisions

Costs: creation of materials and dissemination costs

Performance Outcome: By 2026 higher education leadership will be aware of the need to have a comprehensive communications and knowledge translation plans for assessment findings. As awareness grows, more institutions will engage broad groups of stakeholders in discussions of assessment findings and these findings will be used to make institutional decisions with greater frequency.



Costs: conference slots, labor to create and award recognitions, cost of awards

Performance Outcome: By 2026 more individuals who create assessment reports will make use of data visualizations

Objective 3.3. Increase use of data storytelling

Data storytelling uses narratives and illustrations along with numbers to effectively share analyses of data with a broad audience. Data stories are easily transferred from a compliance-style report onto post-lets (mini-posters) that can be displayed throughout the institution to share findings with a wide audience. By increasing the use of data stories, we will increase the extent to which assessment findings are visible to stakeholders and can be used to direct progress towards institutional improvements.

Year	National Tactics	Local Tactics
1	<i>Objective 3.1 includes data storytelling professional development</i>	Provide training in data storytelling for assessment and IR professionals
2	Disseminate best practices and case studies - Special journal on data storytelling resources and examples; National organization hosts week highlighting data storytelling	Encourage internal data stories - Issue a call for posters, post-lets, or data submissions - Share a poster template; Host open labs to help develop ideas; Host “Learning Improvement” poster series or assessment week sharing best practices and promising failures; Display posters during convocation or faculty development
3	Solicit and publish data stories about effectiveness of higher education - Collaborate with industry stakeholders and policy advisors to identify higher education stories to share	Encourage external data stories - Collaborate with local stakeholders to determine data stories to share with community via social media and local news; Create stories to share at a state, regional, or national venue.

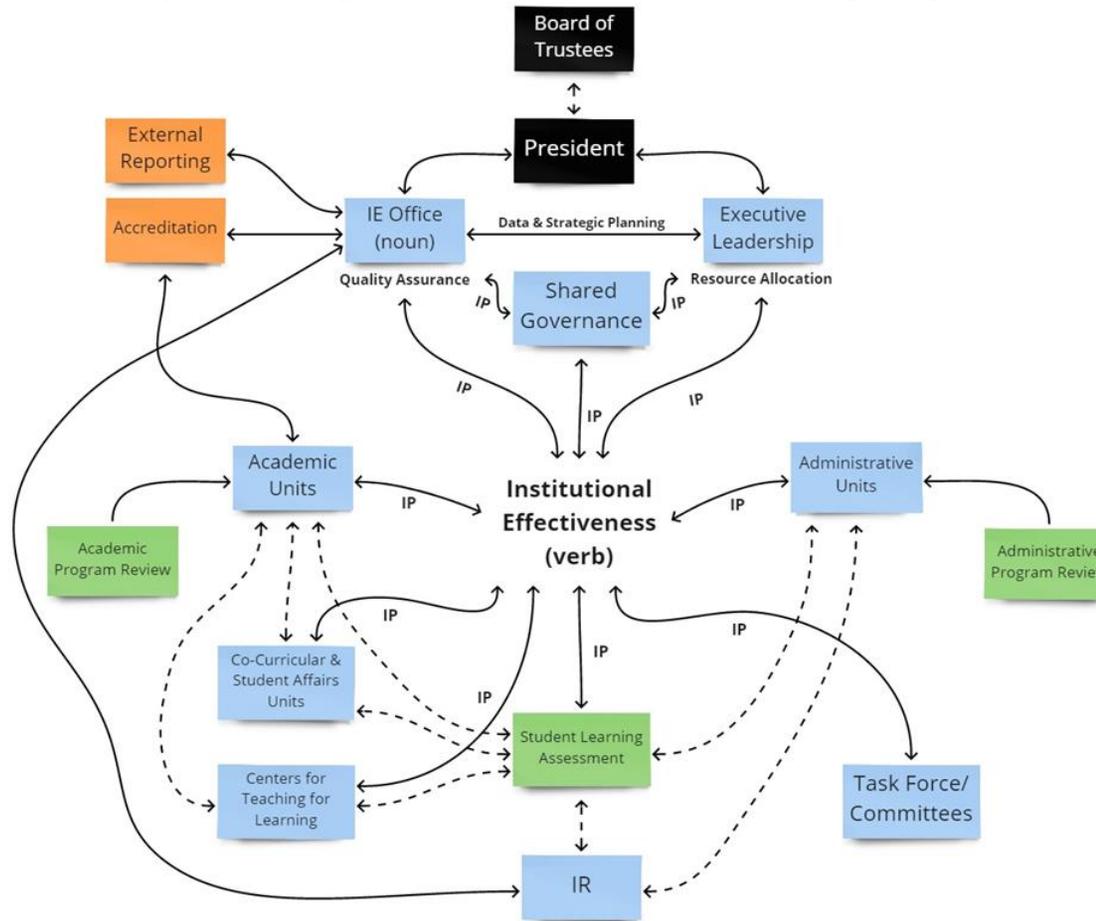
Costs:

Performance Outcome: By 2026



Appendix A - Figure 1

A Model of Institutional Effectiveness as both a Noun and Verb through Integrated Planning



Note. This figure demonstrates the function of IE as both a noun and a verb in the broad institutional context. Black and blue boxes denote official university personnel and functions. Orange boxes denote external regulatory entities and functions. Green boxes denote mechanisms for gathering and using institutional data. Solid lines represent data collaboration to support integrated planning. Dotted lines represent data collaboration to support work at unit levels.



Appendix B - Working group members

Angela Bowlus, Director of College of Management Advising Center, Metropolitan State University

Angela Bryan, Director of Institutional Effectiveness, University of West Florida

Edward Collins, Executive Director of Assessment, Southern Methodist University, Kentucky

Carley Dear, *co-chair*, Director of Assessment, University of Mississippi Medical Center, teaches and has worked in institutional research and effectiveness in higher education at two- and four-year institutions. She has experience with K-12 and higher education accreditation.

Dr. Lina Di Genova, Director of Strategy, Assessment and Evaluation in Student Services at McGill University, has experience in organizational performance metrics, is on the steering committee of the Best Practices Network in Canadian Higher Education: Making a Positive Impact on Student Mental Health, co-chairs the Campus Mental Health community of practice with the Canadian Association of College and University Student Services, and received the 2020 CACUSS Leader in Learning Award and the 2019 Student Affairs Assessment and Research Conference Assessment to Action Award.

Ashli Grabau, Director of Strategic Initiatives and Assessment for Student Affairs, University of Missouri, is pursuing her doctoral degree in Educational Leadership and Policy Analysis.

Erin M. Isaacson, *co-chair*, Assistant Director of Institutional Assessment, Liberty University Office of Institutional Effectiveness, assists in the development of a culture of improvement across the University by facilitating the assessment process for academic and non-academic schools and departments. She is currently working on a Doctorate in Strategic Leadership from Liberty.

Gregory Lin, Assessment Coordinator, Drake University, Iowa

Kirstin Moreno, Ph.D., Education Manager and Assistant Professor of Academic Affairs, Oregon Health & Science University, runs faculty development and mentorship programming and coordinates academic and student affairs assessment processes at the institutional level.

Nicholas R. Santilli, Ph.D., *co-chair*, Senior Director for Learning Strategy for the Society for College and University Planning (SCUP), drives the development of learning content for individual practitioners and institutions looking to build the professional competencies in integrated institutional planning including the SCUP Planning Institute, a professional development program that builds institutional capacity for integrated planning in higher education.

Teri Schnelle, Director of Projects and Partnerships, The University of Iowa

Xiaomei Song, Director of Assessment and Program Evaluation, College of Medicine, Central Michigan University, received her Ph.D. in Measurement, Assessment, and Evaluation. Her primary research interests include test validity and fairness, clinical performance evaluation, progress assessment and continuous quality improvement, and institutional effectiveness.

Claudia Stanny, Director of Center for University Teaching, Learning, and Assessment (CUTLA), University of West Florida

Constance Tucker, Vice-Provost for Educational Improvement and Innovation, Oregon Health & Science University

Dr. Robert Wilkinson, Director of Institutional Research and Effectiveness, Bemidji State University /Northwest Technical College, holds a B.A. in History, a M.A. in Higher Education/Student Personnel Administration from the University of Missouri-Kansas City and a D.Ed. in Higher Education from The Pennsylvania State University

Dr. Melissa Williams, Director of Institutional Effectiveness and Assessment, Colorado Technical University focuses on the pursuit of organizational success by way of mission-based continuous advances, her passion is emotional-intelligent leadership and being a JEDI (justice, equity, diversity, inclusion) Master.



Appendix C - CORE Staffing for an IE Office

At a *minimum*, these skill sets should be assumed among four or more staff within the IE office. As noted previously, IE staff should work in partnership with stakeholders from many other units, including the president's office, the provost's senior leadership team/college deans, financial aid, admissions, student affairs, information technology, records and registration, finance, and student support.

- 1) Leader of IE Office (Associate Provost or Associate Vice President)
- 2) IE Data Analysts (Managing 3-4 large scale projects annually, including forecasting, business intelligence, and required reporting for IPEDS)
- 3) IE Programmer (Expert in extracting data, writing SQL code, creating reports, managing survey software such as Qualtrics)
- 4) IE Data warehouse expert (working on faculty files, FTE, data for annual reports)
- 5) IE Director of Assessment
- 6) IE Accreditation Liaison/Supervisor of Program Reviews
- 7) IE Budget Analyst
- 8) IE Data Visualization Expert (Tableau or Power BI)

Close Partnerships/Crossover: If your core IE group does not have skill sets in the domains listed below, then additional institution staff from other areas should be dedicated to the required roles.

- 1) Strategic Analysis/Enrollment Planner. Enrollment management, recruitment, transfer student's assimilation, retention, and graduation are all inextricable facets of IE.
- 2) Policy or Compliance Officer.
- 3) Student Affairs Assessment Expert
 - Timeline: 1-5 years
 - Assessment plan: development of a HR plan to cover all areas above along with hiring plans and justifications
 - Metrics of advancement: development of the plan; filling of positions
 - Fiscal, human, or other required resources: budget to allow hiring of essential staff

