

# Introductions & Agenda

- Provide an introduction of yourself
  - Name, role, organization
- Complete the polling questions
- Learn about performance-based assessments, how to use them to measure generic skills, and preview results from our international database
- Complete the polling questions
- Participate in a discussion session
- Coffee Break
- Learn about personalized evidence and micro-credentialing
- Complete the polling questions
- Participate in discuss session
- Participate in a Q&A session



# Introductions & Group Poll

### **Provide an introduction of yourself**

Name, role, organization

### **Polling questions**

- How valuable does your organization/institution think generic skills are?
- What assessment are you currently using or recommending (if any) to measure students' generic skills as part of quality assurance?





## About Council for Aid to Education (CAE)



#### Experts in Performance – Based Assessment

A nonprofit organization on a mission to improve student outcomes, CAE develops performance -based and custom assessments that authentically measure students' essential higher education and career readiness skills and identify opportunities for student growth.

CAE's Collegiate Learning Assessment (CLA+) for higher education evaluates the skills educational institutions and employers demand most: critical thinking, problem solving, and effective written communication.

CAE also partners with its clients to design innovative performance assessments that measure the constructs vital to students, educators, and institutions, including subject area and grade specific assessments.



# Assessing Higher Education and Career Readiness Since 2002



Content knowledge is no longer sufficient for higher education and career success.

CLA+ authentically measures students' essential higher education and career readiness skills, providing valid and reliable insights into students' preparedness for their next step.

CAE's research shows that these skills are predictive of positive higher education and career

Outcomes.

Critical Thinking & Problem Solving

Data Critical Reading & Critiquing an Argument

Effective Reading & Evaluation





### Authentic Assessments Through Performance Tasks



CLA+ diagnoses student strengths and opportunities for improvement, providing reliable insights to students, educators, and institutions to increase future success by:

- Situating students in scenarios that mimic **real-world**, complex decision environments
- Requiring students to **analyze and synthesize** data and information, address important issues, propose solutions, and recommend courses of action to resolve conflicts
- Instructing students to **support their responses** by utilizing information provided within the assessment, such as technical reports, data tables, newspaper articles, office memoranda, and emails
- Allowing for more than one single "correct" answer with scores that reflect a range of plausible and effective response strategies
- Evaluating students against CAE's **norm and criterion-referenced** standards



## Essential Skills Can Help Improve Student Outcomes



CAE's data show that **60%** of students entering higher education are **not proficient** in these skills

and **44%** are still <u>not proficient</u> when they graduate.

Entering students who perform better on our assessment are more likely to have higher cumulative GPAs at the end of their senior year when compared with traditional higher education entrance assessments (Zahner, et al., 2012).

### **Higher Education Success**

Students who lack essential higher education and career skills of critical thinking, problem solving, and effective written communication are the ones **at risk** for not completing higher education

(Venezia et al., 2005)

Students who perform better on our higher education assessment are more likely to have positive post-university outcomes as measured by employment, salary, and graduate school enrollment (Zahner & James, 2016).

#### **Career Success**

While content knowledge is a requisite part of a student's education, it alone is **insufficient** for a student to thrive academically and professionally (Capital, 2016; National Association of College and Employers, 2018; Rios et al., 2020)

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Students who perform better on our higher education assessment are more likely to have **higher evaluations** from their managers and advisors (Zahner & Lehrfeld, 2018).



### Supporting Students and Institutions Around the Globe



Over 800,000 students at 1,300+ institutions have completed one of our performance-based assessments. Leading foundation have supported our research.

































Smarter























### Real World Scenario





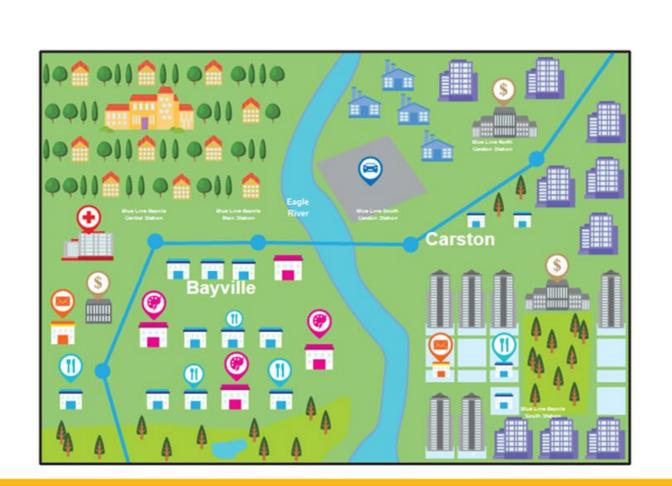










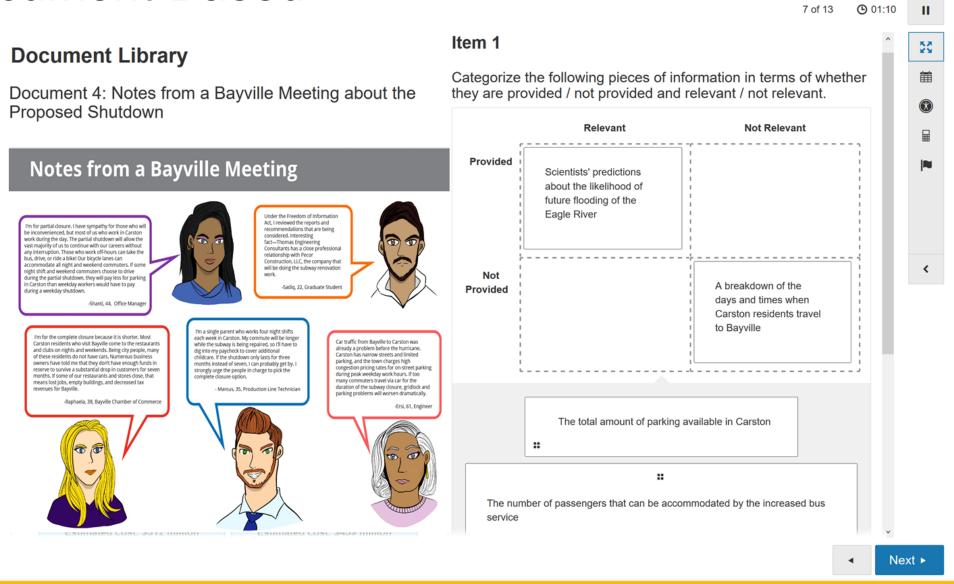


#### Scenario

The Blue Line is the primary mode of transportation used by the many Bayville residents who commute to Carston for work. Carston residents, on the other hand, regularly use the Blue Line to shop and spend leisure time in Bayville. Many Bayville residents rely on visitors from Carston for their livelihoods.

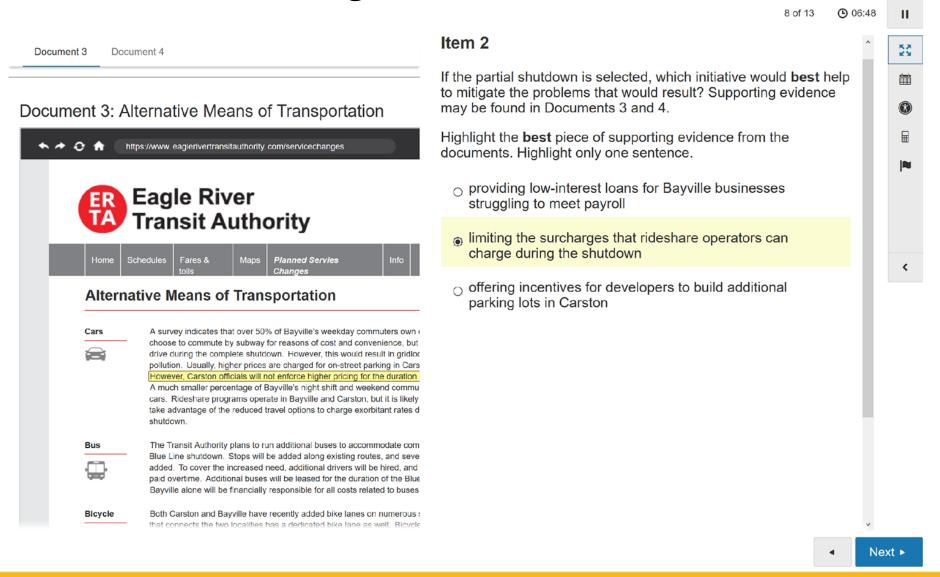


### **Document-Based**



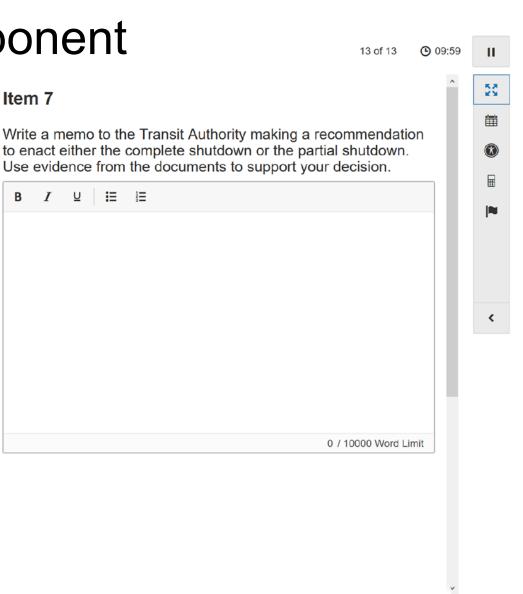


### **Provides Scaffolding**





### Includes a Writing Component



#### **Document Library**

Document 1: Report from Thomas Engineering Consultants



Pecor Construction, LLC, the firm that will perform the Blue Line repairs, retained a consultant group specializing in urban transportation infrastructure to summarize the options for repairing the Blue Line subway tunnel and make a recommendation.

**Option 1: Complete Shutdown** 3 months (July through September)

Fully closing the Blue Line tunnel between Bayville and Carston would allow repair crews to work around the clock to replace electrical equipment and track components damaged by flooding. This approach would return the Blue Line to its original working condition and would complete construction in the shortest time possible.

**Option 2: Partial Shutdown** 7 months (July through January) Item 7

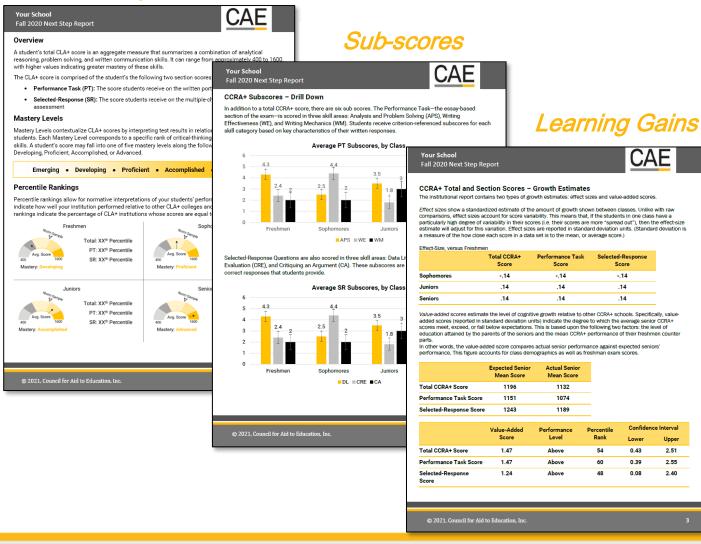
**!**=

A partial closure would keep the Blue Line running during the day Monday-Friday and close the subway on nights and weekends from 8 p.m. to 6 a.m. Monday-Thursday and from 8 p.m. Friday to 6 a.m. Monday. Repair crews would work night and weekend shifts but would be slowed down by having to reset and reconfigure equipment to resume service each weekday morning.

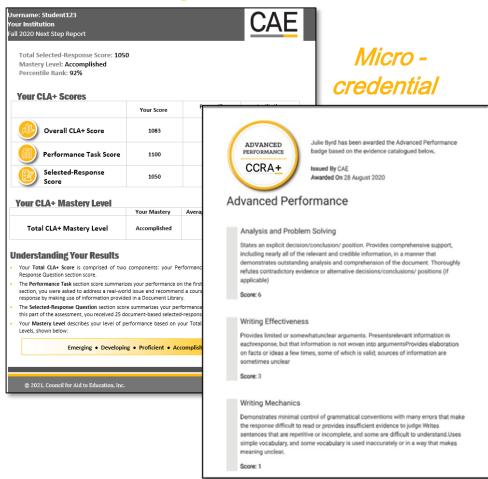


### Providing Observations and Insights on Student Learning Gains

### Mastery Levels



### Student Diagnostic







## CLA+ International Sample By Country



Country	Entering	<b>Exiting</b>	Total
Chile	2,387	568	2,955
Finland	1,469	831	2,300
Italy	0	6,589	6,589
Mexico	3,896	1,445	5,341
United Kingdom	2,086	155	2,241
United States	50,809	47,431	98,240
Total	60,647	57,019	117,666



## CLA+ International Sample CLA+ Total and Subscores

Table 2: Average total CLA+ scores and section scores, by cohort Total CLA+ score PT Score **SRQ Score** 1084 1094 1074 **Entering** (135)(162)(168)1098 1108 1089 **Exiting** (135)(161)(170)

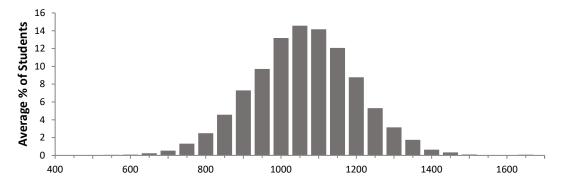


Figure 1: CLA+ total score distribution, entering students

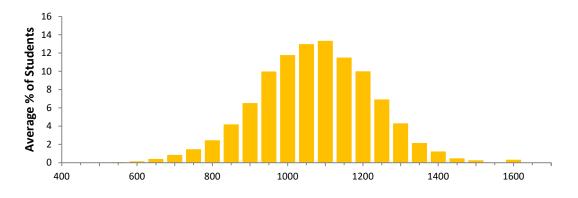


Figure 2: CLA+ total score distribution, exiting students



## CLA+ International Sample CLA+ Subscores

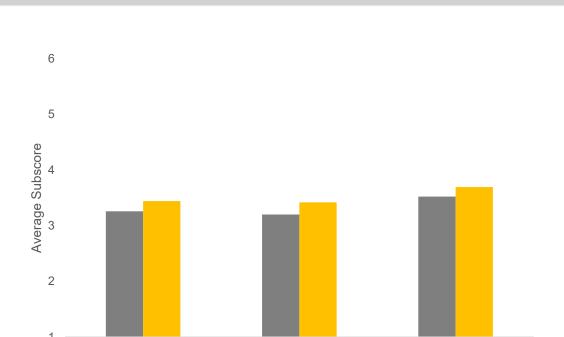


Figure 3: Performance Task subscores among entering and exiting students

■ Entering ■ Exiting

WE

WM

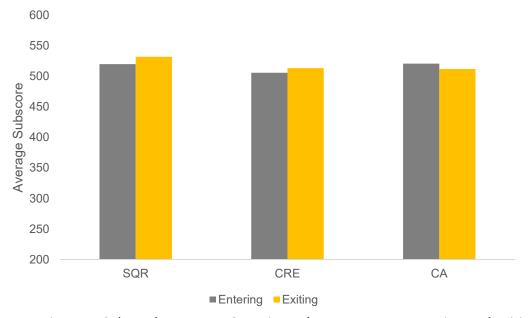
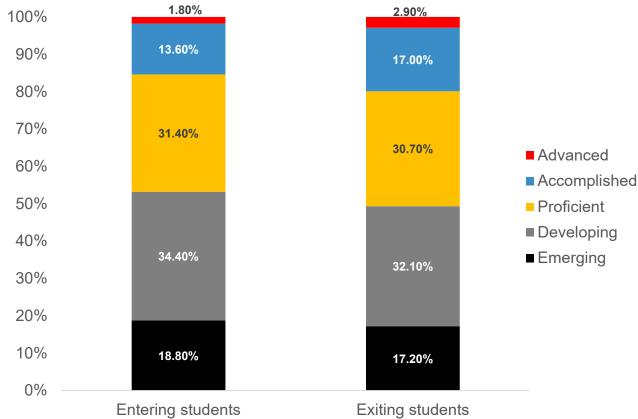


Figure 4: Selected-Response Question subscores among entering and exiting students



APS

## CLA+ International Sample Mastery Level



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- 46.8% of entering students from the international sample are at least proficient
- 50.6% of exiting students from the international sample are at last proficient.
- Of the proficient+ students, the proportion of accomplished and advanced students increases for exiting students
- There is much room for student learning gains between entering and exiting students

Figure 5: CLA+ mastery levels by cohort



## CLA+ International Sample Student Effort



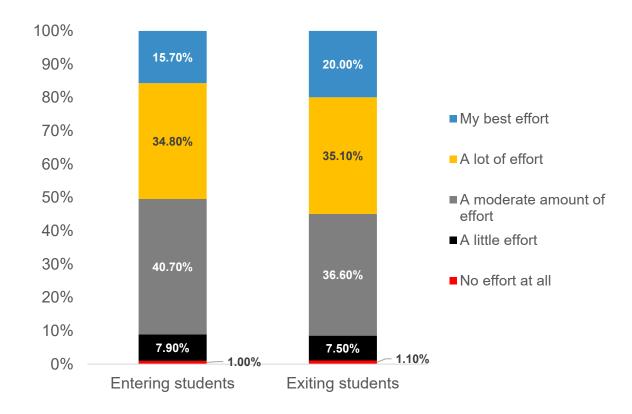


Figure 6: Self-reported effort for PT by cohort

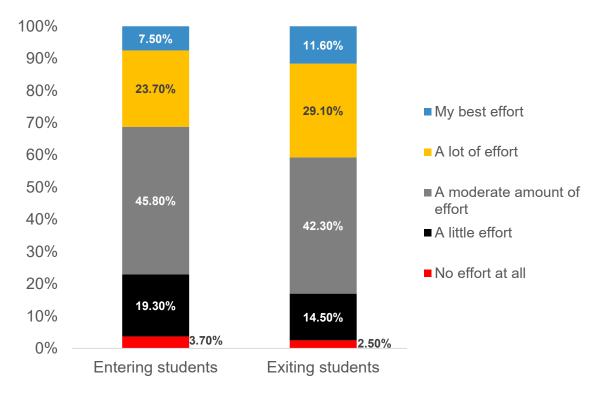


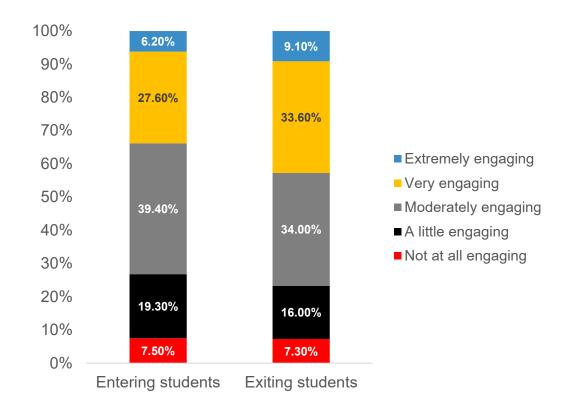
Figure 7: Self-reported effort for SRQ by cohort



## CLA+ International Sample Student Engagement



4.90%



90% 15.90% 20.20% 80% 70% 33.40% Extremely engaging 60% 35.30% Very engaging 50% ■ Moderately engaging 40% ■ A little engaging 29.00% ■ Not at all engaging 30% 25.60% 20% 10% 17.90% 14.00% 0% **Entering students** Exiting students

100%

3.80%

Figure 8: Self-reported engagement for PT by cohort

Figure 9: Self-reported engagement for SRQ by cohort



# Performance Assessments Can Improve Student Learning Gains



- Students tend to like performance based assessments more than multiple choice tests.
- Students will be more engaged and put forth more effort on performance based assessments.
- Educators can use performance -based assessments to better identify students' individual strengths and opportunities for improvement.
- With close and careful attention paid toward students' knowledge, skills, and abilities
  as measured through performance -based assessments, even a small increase in the
  development of these skills could boost future outcomes for students.



### Group Poll

### **Polling Questions**

- How much does your organization/institution value measuring students' generic skills?
- How would your organization/institution use the data or recommend using the data from the assessment of students' generic skills?





# Discussion Session Part I

#### **Discussion Questions**

- How might an assessment of generic skills help your organization/institution?
- What models of assessment would be most effective in your organization/institution?
- What type of data/reports would benefit your organization/institution?
- How useful is international comparative/benchmarking data?



### Coffee Break

## 



Margo Griffith

Head of Business Development

# Credent@alate openEQUELLA

Discover & share evidence of workplace skills

Edalex

- Helping to bridge the learning to earning gap
- ★ Personal skills via the Evidence Record
- ★ Representing ALL evidence of learning aligned to skills
- ★ Learner achievement data from YOUR systems
- ★ Skills data insights for institutions
- **★** Enable flexible learning pathways







Institutional clients across Asia Pacific

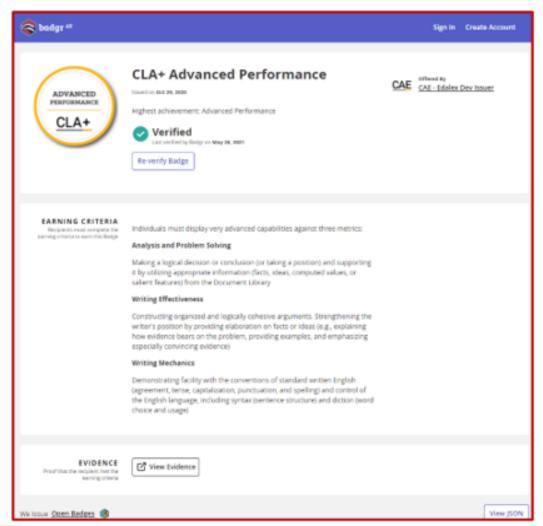


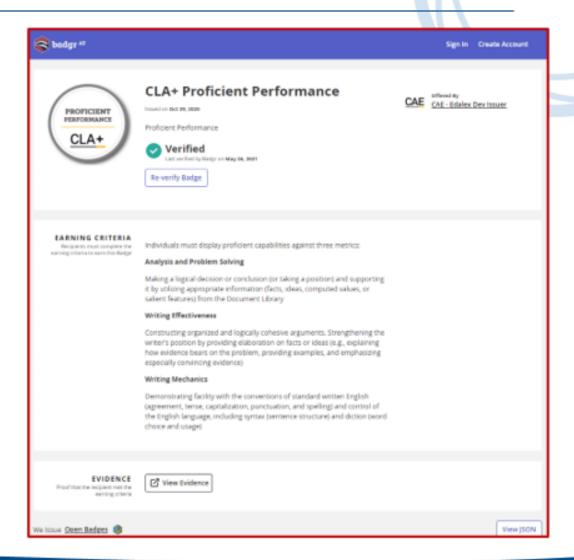
Million learners across client institutions



**Edalex client** retention

### All learners are not the same... so why are their credentials?







### Credentialate brings meaning to micro -credentials

#### Samantha Fahey

Samantha Fahey has been awarded the Platinum badge based on the evidence catalogued below.

#### Issued By Test institution

Awarded On 09 December 2020



VERIFY

#### Lucy Ding

Lucy Ding has been awarded the Gold badge based on the evidence catalogued below.

#### Issued By

Test institution

Awarded On

09 December 2020



VERIFY

#### Platinum

#### Adaptability and negotiation

Consistently adapts to the changing demands of the task. Demonstrates mastery of negotiation skills; routinely achieves a win-win outcome.

Score: 4

#### Individual contributions outside of team meetings

Completes all assigned tasks by deadline; work accomplished is thorough, comprehensive, and advances the project.

Score: 3.5

#### Responds to conflict

Addresses destructive conflict directly and constructively helping to manage/resolve it in a way that strengthens overall team cohesiveness and future effectiveness.

Score: 4

#### Gold

#### Adaptability and negotiation

Can usually adapt to the changing demands of the task. Demonstrates good negotiation skills; attempts to achieve a win-win outcome.

Score: 3.33

#### Individual contributions outside of team meetings

Completes all assigned tasks by deadline; work accomplished is thorough, comprehensive, and advances the project.

Score: 3.5

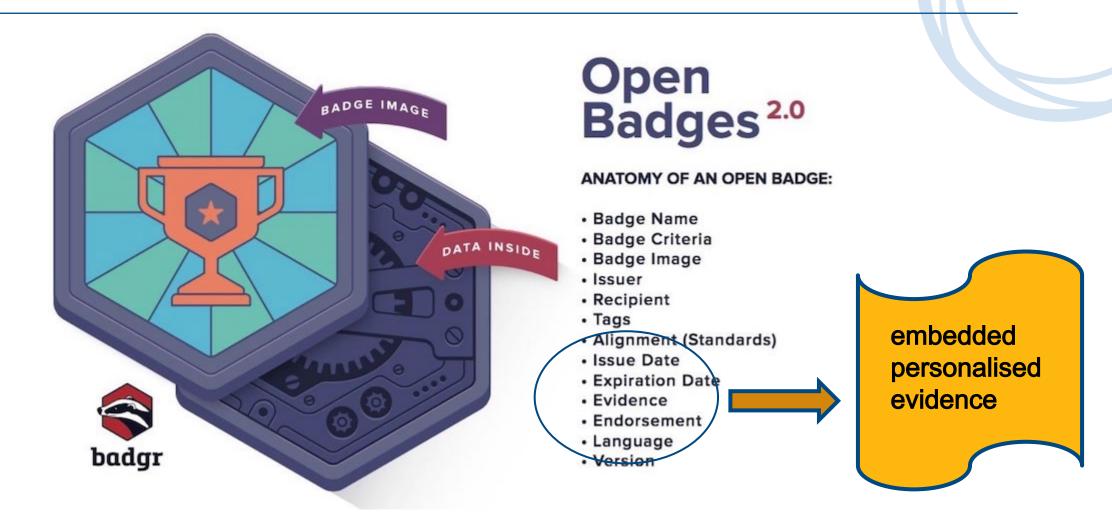
#### Responds to conflict

Identified and acknowledges conflict and stays engaged with it.

Score: 3.5

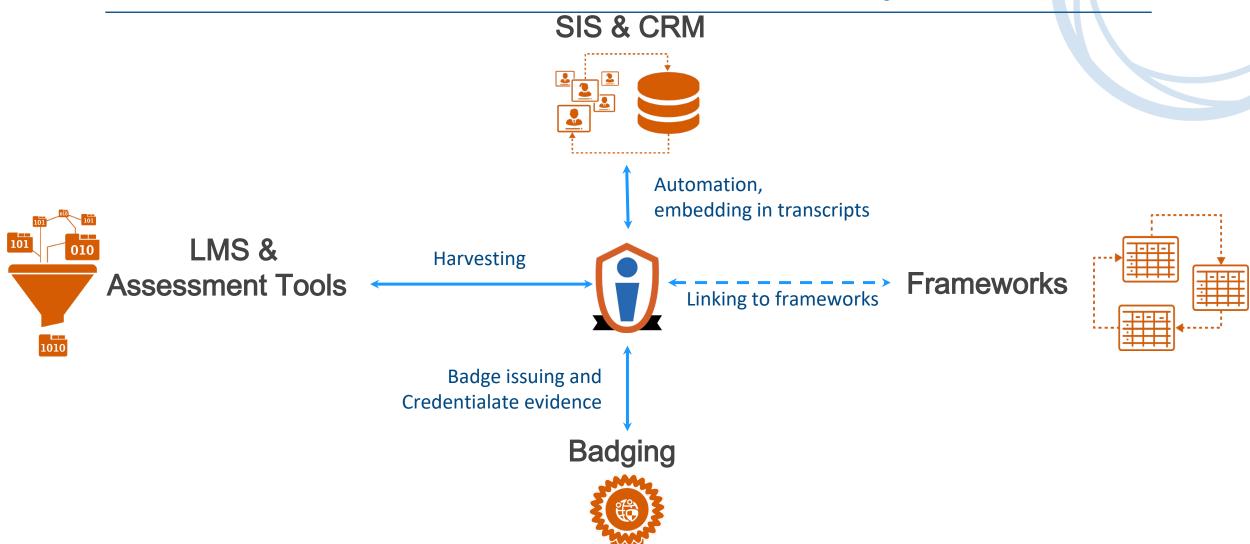


### Adding robust evidence to the metadata



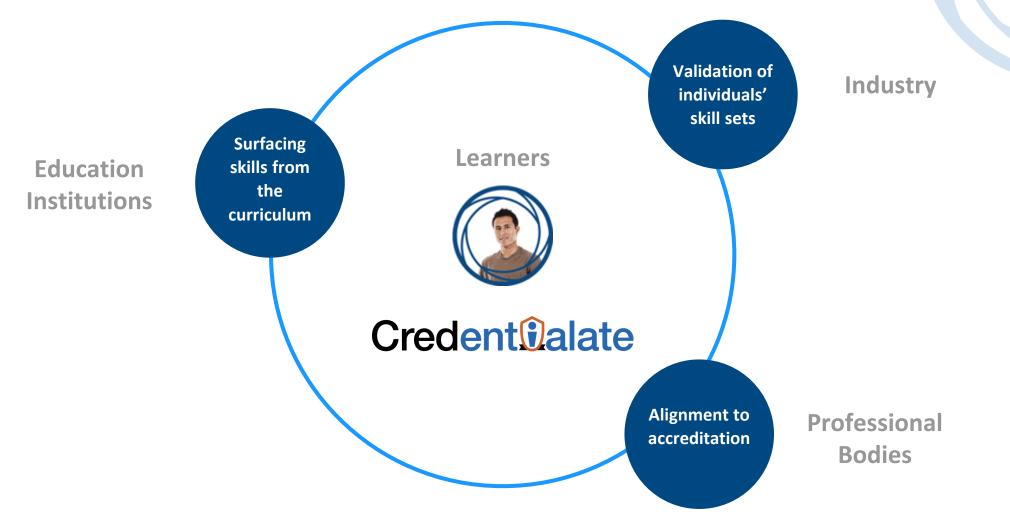


### Credentialate in the edtech ecosystem



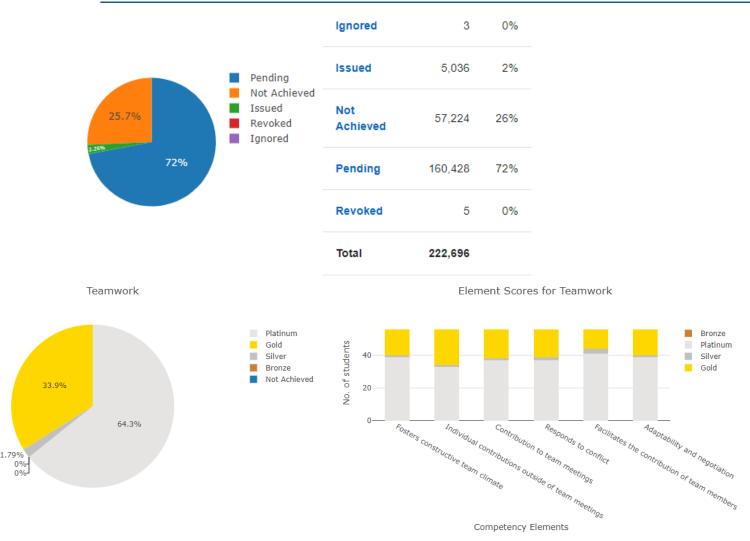


### Use case: learners





### Use case: institutions



Automation
Scalability
Analytics
At-risk student insight
Alignment to frameworks
Creating currency for creds
Stackability



### Case Studies





- Design Partner
- Strategic touch points;
- Data
- Learner Centricity
- Employability and Careers





- Micro-credentials for training gaps
- New technologies
- Industry alignment
- Pathways





- Flexibility
- Long term transformative curriculum change
- Personalisation
- Industry aligned





Micro-credentials for industry alignment



### Group Poll

### **Polling Questions**

- How interested is your organization/institution in providing or recommending personalized feedback of students' generic skills?
- How much do you think students value having competency in generic skills?





# Discussion Session Part II

#### **Discussion Questions**

- What would you like to learn about individual students' generic skills?
- What do you think students would like to learn about their own generic skills?
- How might personalized evidence and microcredientials be useful at the institutional level?
- How helpful might personalized evidence and microcredentials be for students' next steps (e.g., career or graduate school)?











### **QUESTIONS?**

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