ECEP
Expanding Computing Education Pathways

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The Expanding Computing Education Pathways (ECEP) Alliance seeks to increase the number and diversity of students in the pipeline to computing and computing-intensive degrees by promoting state-level computer science education reform. ECEP supports 16 states and Puerto Rico to develop effective and replicable BPC interventions and to create state-level infrastructure to foster equitable computing education policies.

January 2017 through January 2018

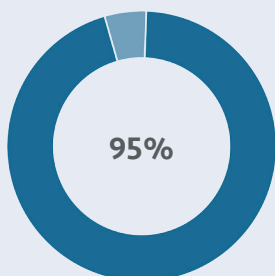## 2018 Annual Meeting in Atlanta

Measuring What Matters: Broadening Participation in Computing in the States The 2018 Annual Meeting of the ECEP Alliance was held at Georgia Tech January 26-27 with nearly 90 state leaders from 16 states and Puerto Rico. Attendees included people from state departments of education, state boards of education, STEM centers, nonprofits, governor's offices, universities, and schools.
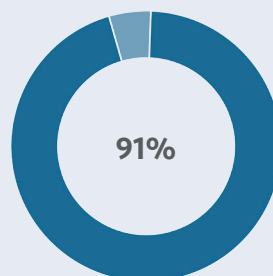
Community Survey: As a result of ECEP, our members...
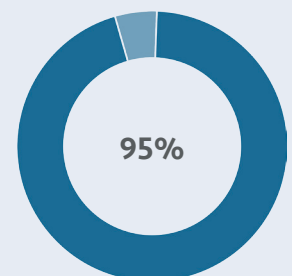
Better understand how to plan strategically to affect change and broaden participation in computer science education at the state level

95%

Report having greater coordination around computer science education efforts

91%

Say advice from other state teams and access to people/organizations is important
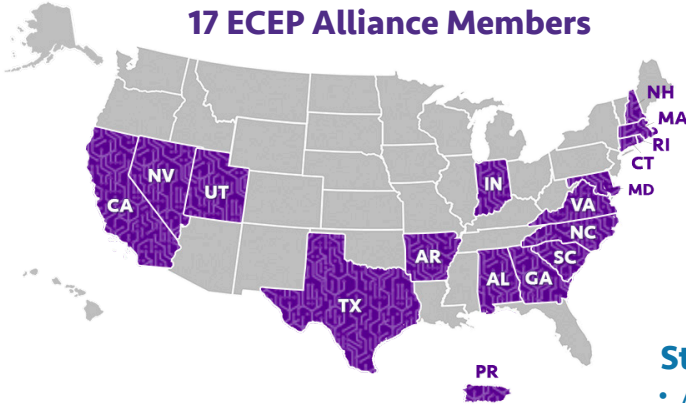
95%

El Mundo de la Computación

Participants of the first ECS professional development in Spanish with the Secretary of Education of Puerto Rico, Dr. Julia Keleher (center front).

Puerto Rico + ECEP = Translated & Culturally Relevant ECS

Thanks to the vision of the ECEP PR leadership team, and the support of ECEP mini-grants, the Exploring Computer Science (ECS) curriculum is now translated into Spanish. The ECEP PR team didn't stop when the translation was completed. To ensure ECS is used in schools, the team worked with ECS leadership to launch a teacher training model, also facilitated in Spanish.

17 ECEP Alliance Members

MINI GRANTS

Connecticut
Summit

Indiana
Case Studies

Maryland
Summit
Landscape Report

North Carolina
Summits

New Hampshire
Summit

Nevada
Standards
Summit

Puerto Rico
ECS Translation
& Training

Utah
Summit
Landscape Report

BY THE NUMBERS

57	ECEP state leaders
18	Hours of virtual alliance meetings
8	Collaboration relationships
3	Seed-funded sites for summer camps

Strength in Collaboration

- AccessComputing
- Code.org
- Computer Science Teachers Association (CSTA)
- CSforAll Consortium
- Google
- National Center for Women & Information Technology (NCWIT)
- Research & Practice Collaboratory
- STARS Computing Corps

Project Rise Up 4 CS Results

Project Rise Up 4 CS provides help sessions and role models for underrepresented students in AP Computer Science A classes.

- 63% of the alumni survey respondents who are in college are majoring in computing.
- 24% said that Rise Up changed their major to computing.
- Rise Up helped participants feel like they could succeed in computing through
    - near-peer role models,
    - a community of learners, and
    - an increase in their understanding of computing concepts.

Community Survey: How is ECEP serving its state members?

*ECEP has been an ideal **MODEL OF COLLECTIVE IMPACT** by serving as our go-to connector in Texas to national expertise, resources, and funding.*

*Our focus has been primarily on K-12. My team and I gained a lot of insight into the next step of connections to 2- and 4-year pathways in higher ed and the **BPC IMPORTANCE**.*

*The **OPPORTUNITY FOR MY STATE'S OFFICIALS** - joining us in CS for All in our state - to know and share with national leaders in this field is invaluable.*

*Our partnership with ECEP is so vital to our continued work in BPC. I just can't imagine not having this support. The Alliance has **AFFECTED SYSTEMIC CHANGE** at a level I don't think they even knew was possible.*