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 the territory of Puerto Rico in the identification and development of innovative, effective and replicable educational interventions, helping the states implement and expand state-level infrastructure that will foster educational policy change.

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Benefits to ECEP members

Community
- Monthly virtual and annual face-to-face meetings
- Access to expertise and resources to broaden participation
- Exchange promising practices, models to apply to unique state contexts

Services
- Mini-grants to support statewide CS ed reform
- Training and seed grants for sustainable & diverse summer computing camps
- Training workshop providers to address equity
- Experts bureau to consult in states

Interventions & Models
- Helping female and black students pass AP-CS exams (Project Rise Up 4 CS)
- Integrating robotics with 3-D kinetic art (Artbotics)
- Evaluation models
- “How to Change a State” - Getting started in broadening participation in computing through state education systems

Building state capacity to broaden participation in computing

- JAN: ECEP Annual Meeting in Maryland
- Feb: Summer camp seed grants awarded to 9 programs in 4 ECEP states
- MAR: Maryland Computing Education Summit
- APR: Monthly Call Topic: CSTA: New directions
- MAY: Monthly Call Topic: Progress on K-12 CS framework
**BY THE NUMBERS**

- 587 Attended state and national gatherings
- 119 Registrants in Train the Trainer webinars
- 92 Participants at D.C. Summit
- 51 State leaders
- 18 Hours of virtual alliance meetings
- 17 Alliance state/territory members
- 12 Virtual alliance calls
- 9 Seed-funded sites for summer camps
- 3 Mini-grants awarded
- 3 RiseUp for CS programs conducted

**2015-16 mini-grants**

Working with dedicated researchers and data collectors, a K-12 CS education landscape report will produce benchmark data to guide policy and form a basis for further action and research.

Through stakeholder meetings, a landscape report — including strengths, weaknesses, and recommendations for next steps in broadening participation in K-12 — will be produced.

The CS4TX meeting highlighted efforts to broaden and diversify K-12 CS experiences. National leaders in CS from the White House, Google and Code.org were guest speakers.

**National gatherings**

- ECEP Annual Meeting: National Harbor, MD — 21 attended
- ECEP Summit: Washington, D.C. — 92 attended
- ECEP state-based summits:
  - Maryland
  - Puerto Rico
  - Texas
  - Indiana
  - New Hampshire

**Strength in collaboration**

ECEP was founded through a partnership between Georgia Computes! and the Commonwealth Alliance for Information Technology Education (CAITE); collaboration is central to our work. In addition to our partnerships with NCWIT, STARS, and CSTA, this year we expanded our work with the Research & Practice Collaboratory, Code.org, Google, CS for All, AccessComputing, and other national organizations. We welcome leaders working on state-level efforts to broaden participation in computing to contribute to and learn from our community. Browse our website (ecepalliance.org) or contact us (ecep@cs.umass.edu) for more information.

**2016 (continued)**

- **Monthly Call Topic:** Developing teacher communities with ScratchEd meetups
  - ECEP PI planning retreat
- **SEP**
  - Puerto Rico CS for All Symposium
  - CS4TX Statewide Meeting
- **CS4NH Summit**
  - Advanced Placement CS A participation - by state, gender, race, pass rates
- **JUL**
  - Google/Gallup reports on CS education
  - Mini-grants awarded to CT, IN, TX
- **Monthly Call Topic:** AccessComputing: resources for students with disabilities
  - 2-day D.C. Summit, White House, Office of Science & Technology Policy
- **NOV**
  - Monthly Call Topic: Getting parents involved in education policy

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