

2017 ANNUAL REPORT



Go Code Colorado



Colorado Secretary of State's Office
Wayne W. Williams, Secretary of State

SEAWELL BALLROOM

GO CODE COLORADO 2017

FINAL COMPETITION

10 COLORADO TEAMS. 3 WINNERS.



TABLE OF CONTENTS

MESSAGE FROM SECRETARY WILLIAMS	2
THE 2017 TOUR & WINNING TEAMS	4
BY THE NUMBERS	8
COLORADO OPEN DATA	9
AT&T FOUNDRY	10
THANK YOU	11

MESSAGE FROM SECRETARY WILLIAMS



Data is the infrastructure of the digital age. And public data is an underutilized resource that has the potential to improve outcomes, increase transparency, and enhance our business environment.

This was the motivation behind creating Go Code Colorado four years ago. In 2017, we hosted our fourth app challenge and watched again as Colorado's innovative and collaborative spirit showed how public data can create business insights.

Continuing a four-year trend, participation in the challenge increased again this year, with over 240 participants—making up 43 teams—presenting their ideas for using public data to help business decision makers. Another trend we are proud to continue: participants are glad they did it. Ninety percent of survey respondents said they would participate again. But the survey response that is most impactful to the heart of the program relates to the public data available for use. Just 32 percent of survey respondents said there was a data set not available that they wanted to use for their idea. This is a decrease from over 50 percent who answered that way last year.

Because behind all the great events for Go Code Colorado there is a team hard at work publishing data to the Colorado Information Marketplace (CIM), making it available in machine-readable format, with rich metadata to provide context to external users, and automated updates wherever possible to keep it current. This team has published over 200 datasets to CIM—Colorado's open data platform—over the last four years. These datasets are available not just to Go Code Colorado participants, but also to anyone with an internet connection. Because we know that when you make public data more easily accessible, smart, creative people with a different perspective will use it in ways that we never would have thought of—a concept that is proven each year by Go Code Colorado teams.

As always there are many people and organizations to thank for another successful year. Thank you to the 64 mentors, 20 judges, and more than a dozen community partner organizations who supported the challenge. And thank you to our sponsors from the private sector who backed the challenge with nearly \$50,000 in direct financial support and more than \$75,000 of in-kind support to help us continue providing the challenge as a free, statewide event that is not only open to all, but a tremendous and worthwhile experience.

Once again, Go Code Colorado has demonstrated the value of making public data available to Coloradoans.



A handwritten signature in blue ink that reads "Wayne W. Williams". The signature is written in a cursive, flowing style.

Wayne W. Williams
Colorado Secretary of State

2017 GO CODE COLORADO TOUR

Kickoff	Denver	February 1
Local Kickoff	Grand Junction	February 9
	Durango	February 16
	Pueblo	February 24
	Vail/Avon	March 1
	Colorado Springs	March 2
	Broomfield	March 9
	Fort Collins	March 20
Challenge Weekend	Colorado Springs	April 7, 8, 9
	Denver	April 7, 8, 9
	Durango	April 7, 8, 9
	Fort Collins	April 7, 8, 9
	Grand Junction	April 7, 8, 9
Mentor Weekend	Boulder	April 21, 22, 23
Final Competition	Denver	May 24

DRIP

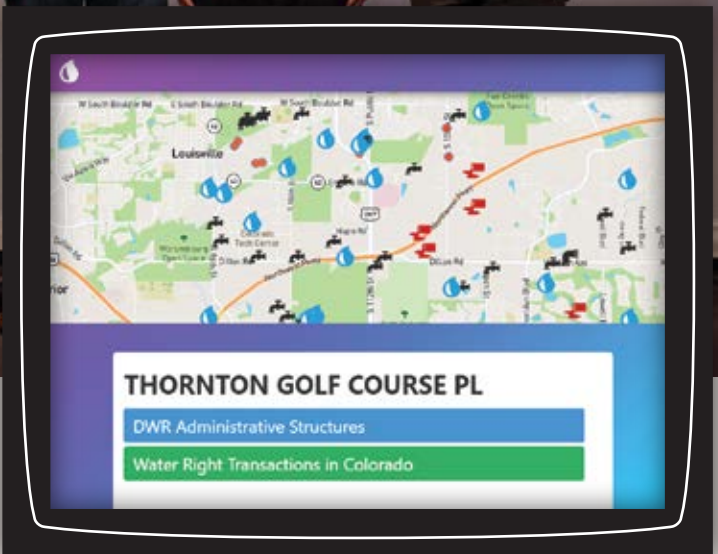


TEAM MEMBERS (Left to Right): Loren Anderson, David Cako, (Secretary of State Wayne Williams), Tim Haynie, Lucas Schmidt, Vincent Zaballa

COLORADO SPRINGS

A platform that will streamline the effort required to track down numerous sources of water and environmental data that affects the value of land.

During their presentation, Drip focused on the resources and cost associated with finding this information without their platform and demonstrated a real value proposition for their company.



www.getdrip.in

Drip absorbs water data into a large data-store, removing the barriers to data commingling. Drip incorporates data from the Colorado Department of Water Resources, water rights transactions and water court documents, US Geological Survey (USGS) National Water Information System, as well as EPA and US Department of Agriculture data.

HUD BUDDY



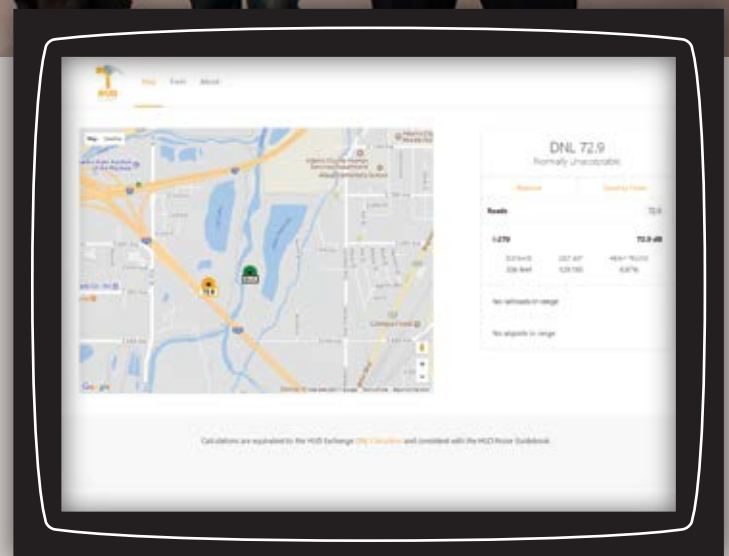
TEAM MEMBERS (Left to Right): James Jannicelli, Tony Guerrie, (Secretary of State Wayne Williams), Emily Shirtz, Paul Guerrie, Joshua Leasure

FORT COLLINS

A solution to perform first-phase noise analysis for HUD-backed residential developments, easing the process of complying with HUD environmental requirements. Without HUD Buddy, noise analysis required by Housing and Urban Development (HUD) is manual and time-consuming, and may cost hundreds or thousands of dollars if performed by a consultant.

With HUD Buddy, a real estate developer can perform a noise analysis for any location with the click of a mouse. This not only saves time and cost in the environmental analysis, but also allows the developer to screen properties for noise as part of the site selection process.

HUD Buddy analyzes four data sets from the Colorado Information Marketplace: Highways in Colorado, Railroads in Colorado, Airports in Colorado, and Population Projections in Colorado.



www.hudbuddy.com

Data from all four datasets are combined to calculate the Day-Night Noise Level (DNL) for any location the user chooses on the map. Details from the transportation noise sources are combined with the Population Projections dataset to project future traffic levels. Future traffic levels and physical characteristics, such as distance, are then used to calculate DNL.

MAGPIE SUPPLY

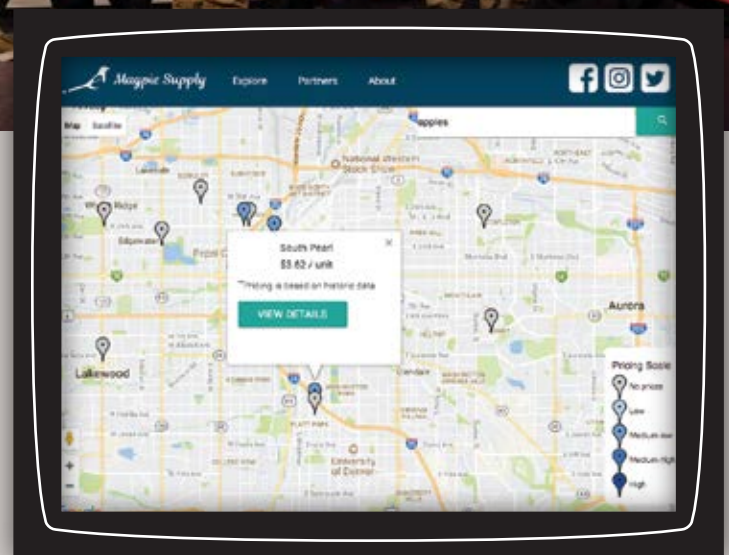


TEAM MEMBERS (Left to Right): Matthias Bachmann, (Secretary of State Wayne Williams), Ellen Downing, Ethan Lockshin, Keefer Caid-Loos, Emily Shirtz (squatting), Daniel Ritchie, Gavin Estenssoro, Marcus Reighter, Michael Scherer, Michael Melcher

DENVER

A platform to help farmers search historical farmers market prices on a map and show farmers various markets in the state to identify new opportunities. Magpie Supply identified during their presentation that they will be adding a feature for small farmers to combat the cost of transporting goods.

Magpie Supply used the farmers market location dataset from the Colorado Information Marketplace and combined it with other publicly available data on farmers markets to create a more robust list, which they provide in map format.



www.magpiesupply.com

The application also used data from the U.S. Department of Agriculture to provide producers with historical pricing information, showing a minimum and maximum spread and price changes on a daily basis, in order to assist with pricing in a direct-to-consumer model.

2017
BY THE NUMBERS

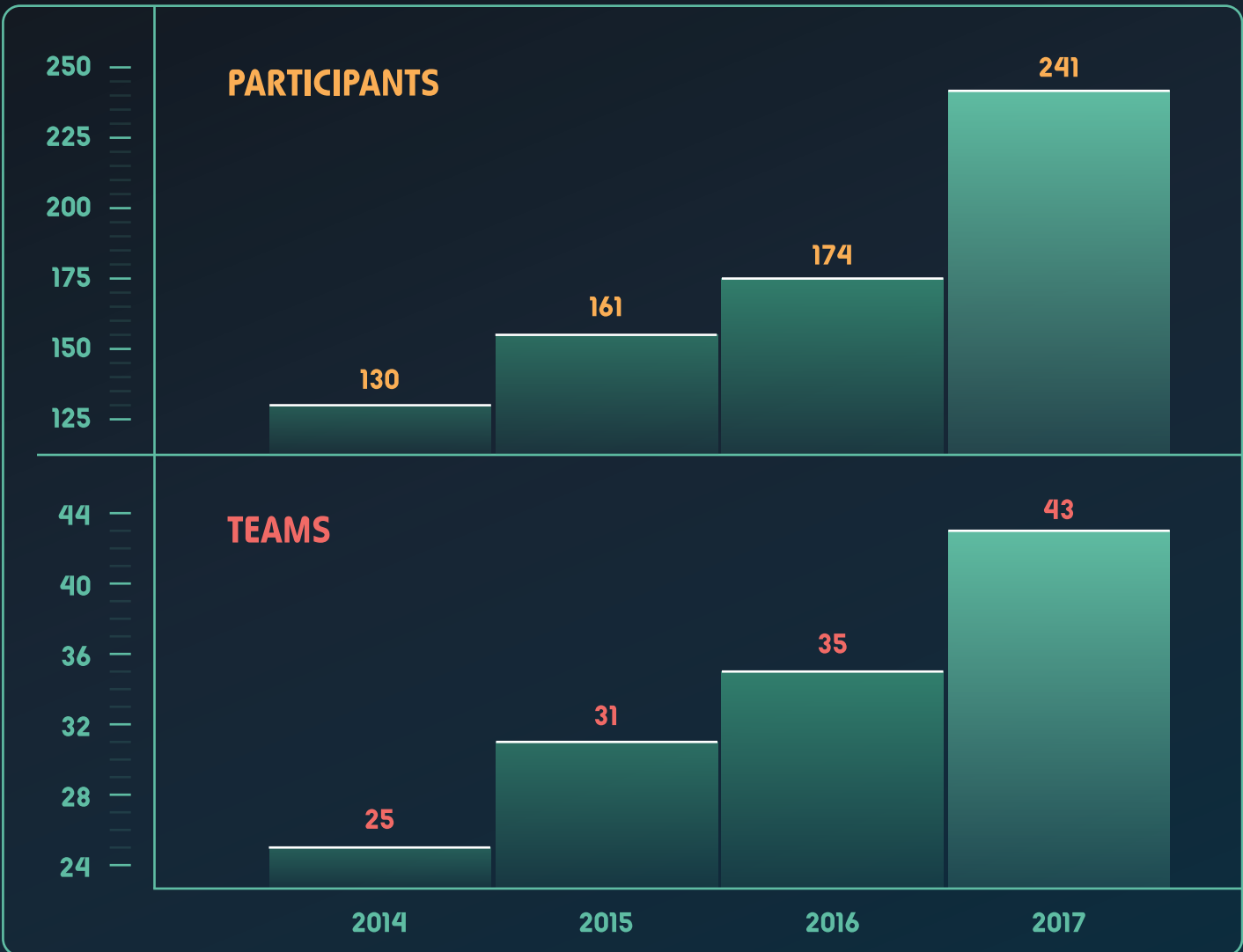
1000+
ATTENDEES ACROSS THE EVENT SERIES

\$50,000
FINANCIAL SUPPORT

\$77,000
IN-KIND SUPPORT

90%
OF PARTICIPANTS
WOULD ENCOURAGE
A FRIEND TO PARTICIPATE

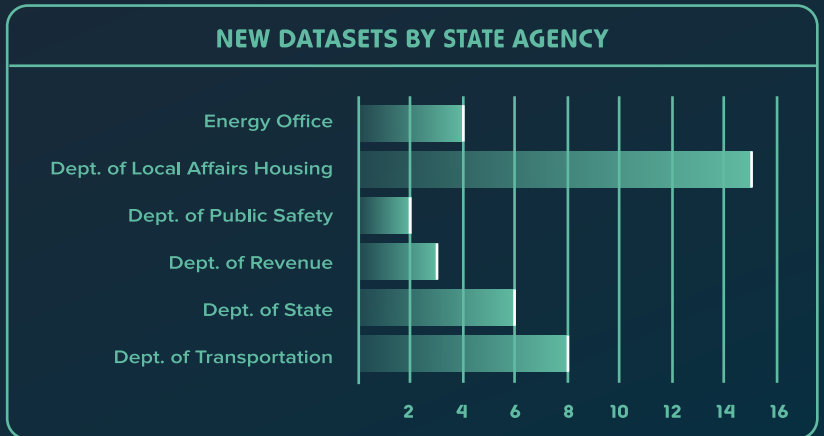
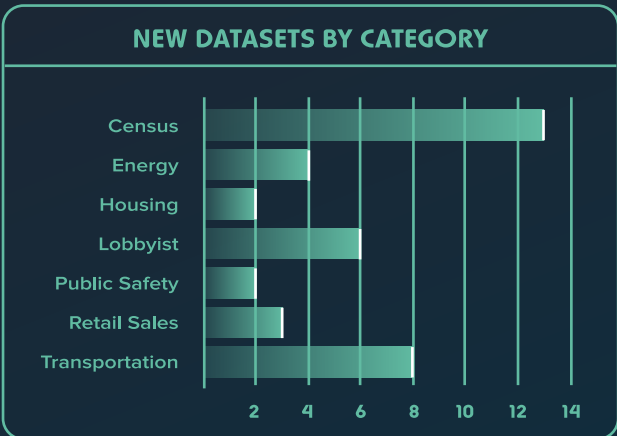
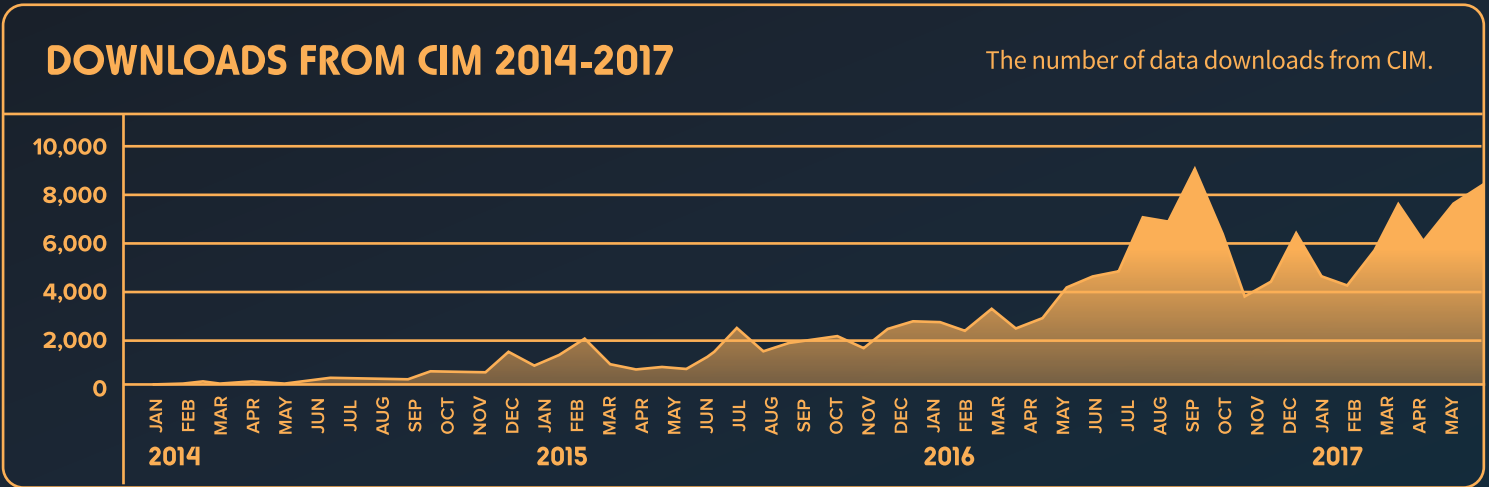
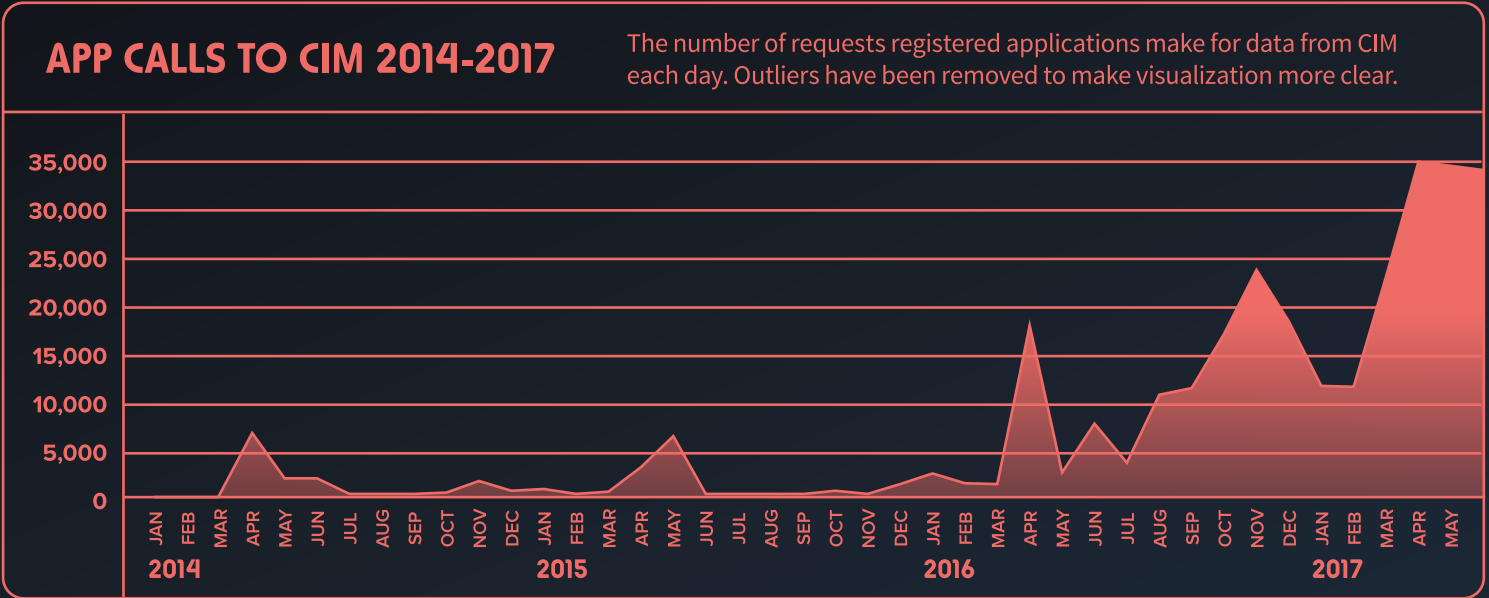
96%
OF FINALISTS
WOULD ENCOURAGE
A FRIEND TO PARTICIPATE



“When that much brain power gets together, amazing ideas are born. It’s fun to be a part of that process.”

“The exposure to ideas, mentors, and talented people will have positive impact far beyond the event timeline.”

Go Code Colorado seeks to increase access to usable public data and show the value of public data to solve business challenges. Go Code Colorado assists state agencies in publishing data to the state’s open data platform, the Colorado Information Marketplace (CIM), in a machine-readable format with helpful metadata to provide the user with context. Charts below show use of CIM rises each year during the Go Code Colorado challenge in the Spring.



THANK YOU



AT&T FOUNDRY⁺

It takes many hands to build and continually grow a successful program like Go Code Colorado. One of the key elements is our corporate collaborators. Collaborators help offset costs, which ensures the competition remains free to participate in. Others offer access to special data, tools, or mentors. Some do both. And some do both year-after-year. As our returning Summit Partner for 2017, AT&T provided a big boost to participants.

Since the days of the first transcontinental telephone call 100 years ago, AT&T and its subsidiaries have been leading innovation in the ways we connect and communicate.

AT&T Foundry is the company's network of innovation centers built to explore new technology and the future of the industry. The Foundry embodies the company's innovative spirit in fast-paced and collaborative environments, where employees and partners work to deliver applications and services to customers more quickly than ever before. The Foundry also serves as a front door for startups, developers, and partners, with teams from AT&T Foundry meeting with up to 500 startups a year seeking to do business with AT&T.

This year, the Foundry in Palo Alto opened those doors to the Go Code Colorado winning teams for a day of mentoring. AT&T's financial support meant the teams' travel expenses were covered. The Foundry's staff and mentor coaching meant the teams left stronger and better poised for success.

"During our visit to the Foundry we had the opportunity to share with Foundry staff our team's business propositions and issues we are facing," said Loren Anderson from Drip. "These staff members are either successful entrepreneurs themselves or broadly experienced working with startup companies. The discussions ranged from how AT&T is bringing new technologies into their businesses, how they encourage and work with entrepreneurial companies, and advice for structuring our companies and what to focus on for success."

Daniel Ritchie, from Magpie Supply, saw the trip as the culmination of a great overall experience competing in, and winning, the app challenge.

"Visiting the AT&T Foundry was one of many incredible opportunities provided by Go Code Colorado," said Ritchie. "It was humbling to learn what industry leaders in Silicon Valley thought of our idea. Thank you for an unforgettable experience!"

Thank you indeed. Thanks to AT&T Foundry for another great year supporting Go Code Colorado participants as we apply innovation lessons to using public data. And thank you to all of our 2017 collaborators for making this another successful Go Code Colorado challenge.



2017 Winning Team members Pictured with Erik Sundelof, Jerry Higgs, Ruth Yomtoubian and Faraz Hoodbhoy from AT&T Foundry

THANK YOU



WILMER CUTLER PICKERING HALE AND DORR LLP ®





Go Code Colorado's Value To Business

Go Code Colorado works to create a strong open data environment in Colorado, which is both a practical opportunity for businesses and also a signal that Colorado is open for business. <https://vimeo.com/172898752>

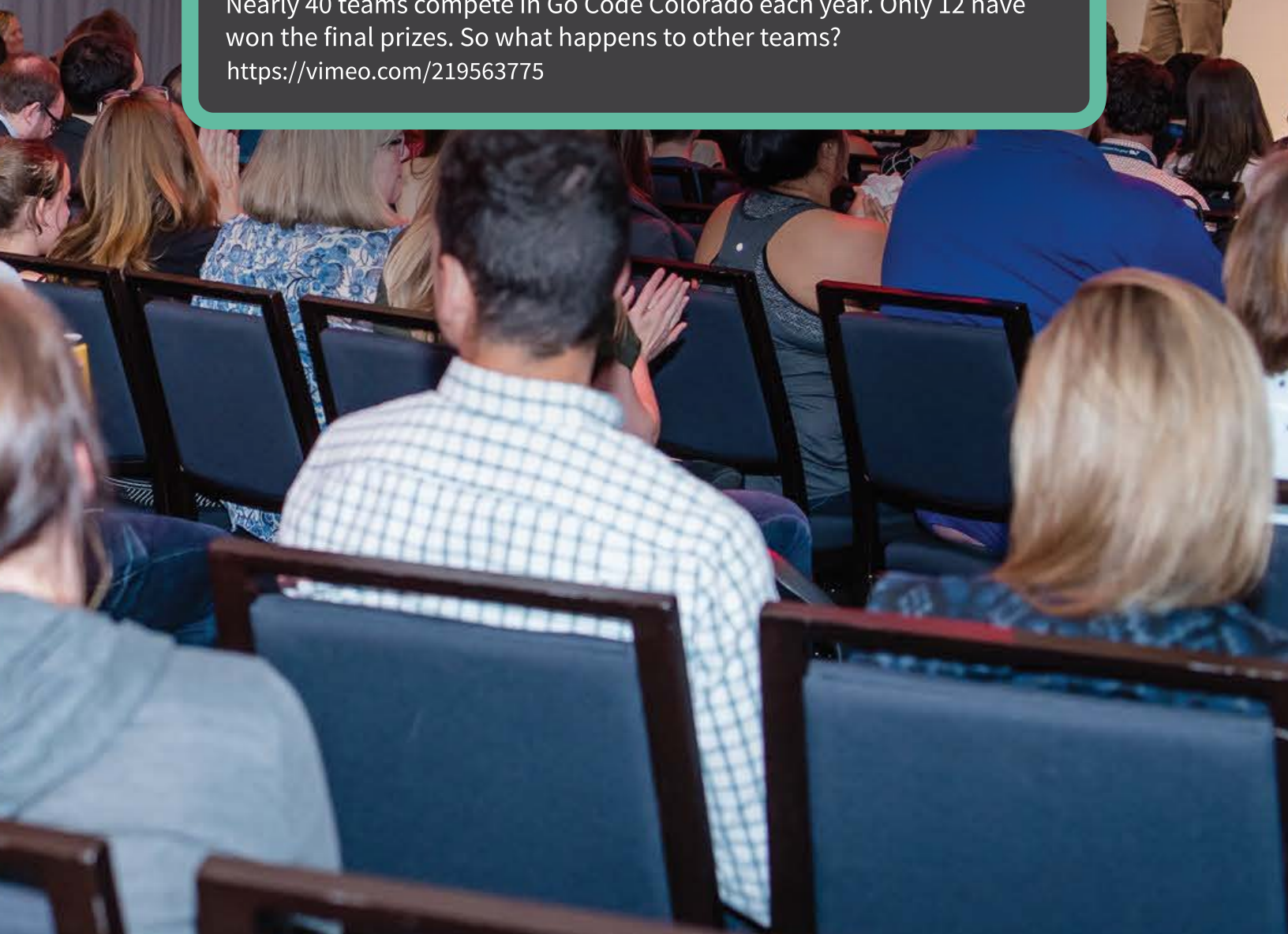




Losing Go Code Colorado

Nearly 40 teams compete in Go Code Colorado each year. Only 12 have won the final prizes. So what happens to other teams?

<https://vimeo.com/219563775>





[GOCODE.COLORADO.GOV](https://gocode.colorado.gov)