

CCST

CALIFORNIA COUNCIL ON
SCIENCE & TECHNOLOGY



COUNCIL MEETING
10.12.17

SUSAN HACKWOOD
EXECUTIVE DIRECTOR

2018 Anniversary Year

- 30th year for CCST, 10th year for Fellows program
- Events lined up beginning with Science and Technology Week in February



Background:

- \$1.3M/year, launched in 2009
- Embeds PhD scientists in the Legislature
- Nov. 2017 marks conclusion of 8th year



CCST SCIENCE FELLOWS

Fellows are in high demand in Sacramento
Praised year after year on the floor of the Assembly and Senate
To date, Fellows have worked on over 900 bills

We are beginning to institutionalize the presence of S&T experts in policymaking in CA

- **Bao-Ngoc Nguyen** – (Senate Committee on Health) Bioengineering, University of Maryland
- **Anna Reade** – (Senate Committee on Environmental Quality) Developmental Biology, UC San Francisco
- **Mikel Shybut** – (Senate Committee on Transportation and Housing) Plant Biology, UC Berkeley
- **Julianne McCall** – (Senate Office of Research) Cellular & Molecular Biology, Heidelberg University
- **Mike Peterson** – (Senate Committee on Natural Resources and Water) Environmental Science, Policy & Management, UC Berkeley
- **Bish Paul** – (Assembly Committee on Elections and Redistricting) Cell Molecular Biology, University of Washington
- **Kristin Warren** – (California Legislative Black Caucus) Mechanical Engineering, Carnegie Mellon University
- **Laura McWilliams** – (Assembly Committee on Utilities and Energy) Chemistry, University of Oregon
- **Jennifer Chase** – (Assembly Committee on Privacy and Consumer Protection) Cellular & Molecular Biology, University of Michigan





2018 Fellows

138 applications received – largest in program history

10 new fellows will begin training Nov. 1

Alumni

Alumni group created in 2013 with grant from WHH Foundation

Co-chairs: Sarah Brady ('14) and Dharia McGrew ('12)

Bimonthly Luncheon Professional Development series kicked off



Model for other states

Multiple grants of up to \$25K to support planning processes in other states to develop similar programs

Grant recipients:

Alaska

Colorado

Connecticut

Idaho

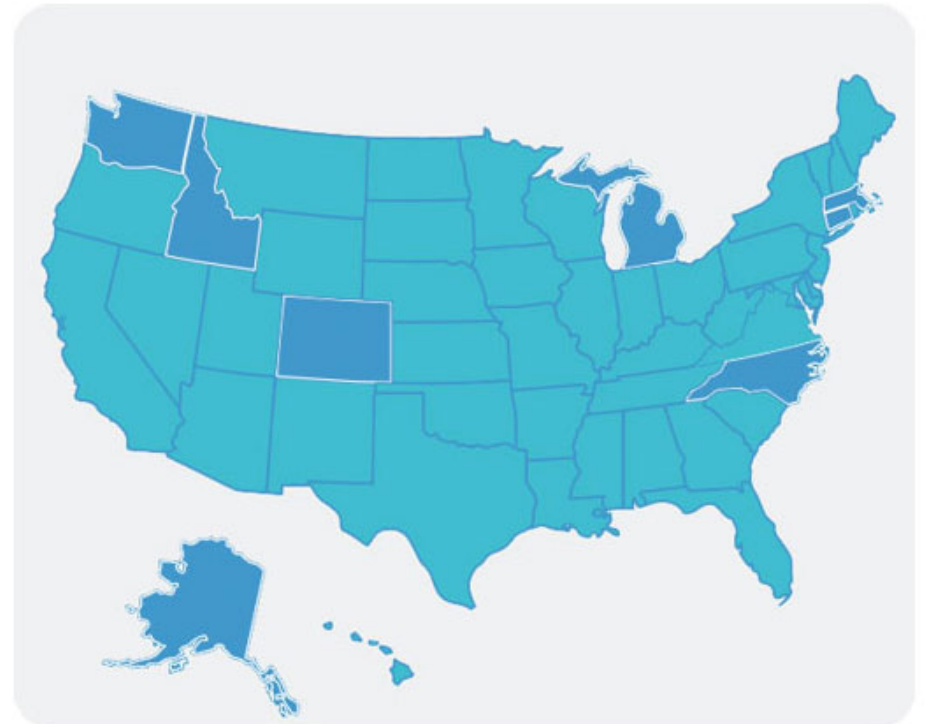
Massachusetts

Michigan

New Jersey

North Carolina

Washington



LABORATORY

AFFILIATES



- CCST receives \$141K annually from six affiliate members
- Sharing information with State decision makers about how the Labs are well-positioned to help inform the State
- Welcome to National Renewable Energy Lab (NREL), new Laboratory affiliate



CaITAC

- Created in 2005 to help give STEM teachers a voice in policy discussions
 - Modeled after NTAC
 - Grant from Gordon & Betty Moore Foundation
- Workshop at annual conference of National Science Teachers Association 4/1/17
- Webinar series to prepare CaITAC teachers to engage with policymakers

Wednesday & Thursday, March 29 & 30

NSTA National Conference
on Science Education

SUN • SURE



Projects: California Community Colleges Maker Initiative

- Funding: \$350K – Sierra Joint Community College District
- Audience: California Community Colleges, national Maker community
 - Timeline: 9/13/16 – 6/30/19





Projects: Viability of Underground Natural Gas Storage

- Funding: \$2.5M – State of California
- Audience: CPUC, Governor Brown, State Legislature
- Timeline: January 2017 – January 2019



NATURAL GAS STORAGE



Projects: Biomethane Heating Values

- Funding: Requested \$500K, part of existing CPUC proceeding
- Audience: CPUC, Governor Brown, State Legislature
- Timeline: Contract signed 9/29/17. Study due 9 months after signing.





Projects: Water Use and Treatment in Oil and Gas Activities

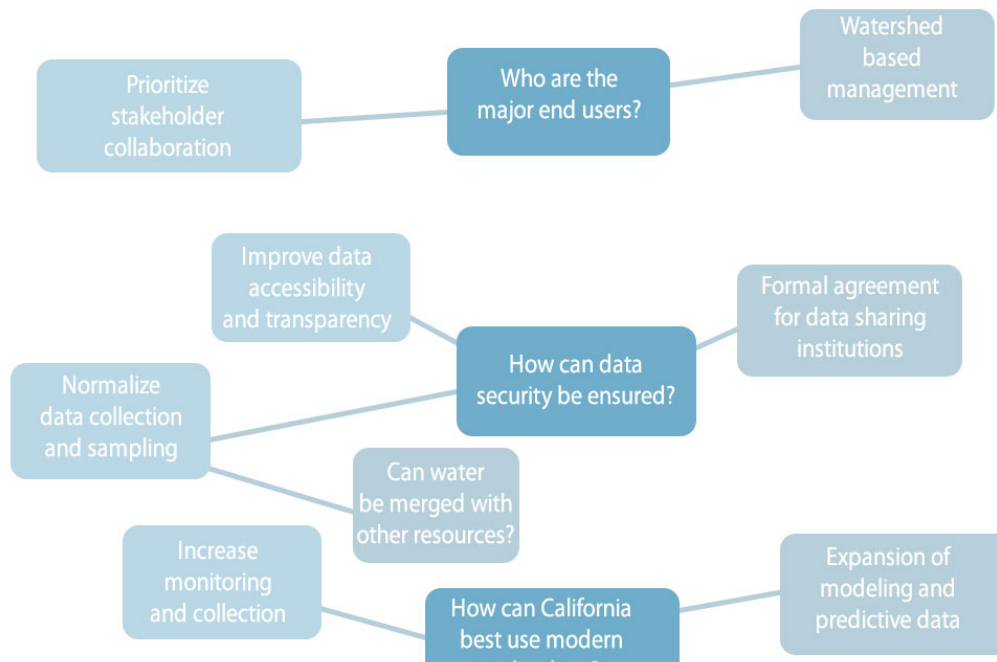
- Funding: Est. \$350K – Division of Oil, Gas, and Geothermal Resources
 - Audience: State Legislature, agencies with jurisdiction over water supply and quality industry, environmental groups, public
 - Timeline: Est. 13 months





Projects: California's Water Information Systems

- Funding: No current funding exists
- Audience: State policymakers, State agencies
- Timeline: Ongoing





Communications & PR



- Under guidance of Ben Young Landis CCST continues to grow name recognition & branding
 - Twitter: @CCSTFellows, #AAASmtg, @ccstorg
 - Facebook: @CCSTFellows, @CCSTorg
 - Medium: medium.com/@CCSTorg
 - LinkedIn: linkedin.com/organization/7574392



Capitol Outreach

- This year, we increased our efforts to expand our reputation in Sacramento by discussing our work with decision makers
- Long-term goal: think of CCST first!





Finances

- CCST continues to operate within budget
 - \$280K needed for 2018 Fellows
- \$2.5 million contract with CPUC for NGS study
 - NGS project cost: @\$800K
 - CCST Audit underway
- Net assets fluctuate according to income & expenses



NATURAL GAS STORAGE



Fundraising

GOAL:

Develop a major gifts program that:

Supports CCST Science Fellows at \$1.3M per year

Creates “Rapid Response Team” fund

Increases End of Year Annual Giving to \$100K/year





Stretch goals:

Fully expand Fellows through 2020

Expand program to Executive branch by 2020

Fund Rapid Response Team fund

	Year 9 2018 Fellows	Year 10 2019 Fellows	Total
Total Funding Need for Fellows	\$1,150,000	\$1,300,000	\$2,450,000
2016 Goal	\$650,000		\$650,000
Actual	\$638,000		\$638,000
2017 Goal	\$500,000	\$1,300,000	\$1,800,000
Raised to date in 2017	\$220,000	\$410,000	\$630,000
Remaining to be raised by:	12/2017 \$280,000	Q1 2018 \$890,000	\$1,170,000

**RAPID
RESPONSE
TEAM
FUND**

BUILDS MOMENTUM

ENABLES PROACTIVE ENGAGEMENT

GOAL: \$1.5-2M



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**MORE INFORMATION:
CCST.US**