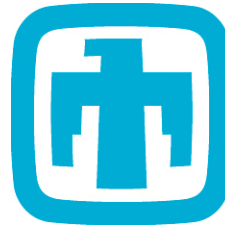




CCST
CALIFORNIA COUNCIL ON
SCIENCE & TECHNOLOGY



SUSAN HACKWOOD
EXECUTIVE DIRECTOR

SANDIA NATIONAL
LABORATORY/CALIFORNIA
MAY 26, 2016



RECENT ACTIVITIES

- ❖ Laboratory Affiliates
 - ❖ CCST Projects
 - ❖ Education
 - ❖ Community College Project
 - ❖ Freight Action Plan
 - ❖ California Grand Challenges
 - ❖ Contracting with the State Government
 - ❖ Water Information Systems
 - ❖ Biomethane
 - ❖ S&T Policy Fellows
 - ❖ Alumni – Continue to be Active
 - ❖ 7th Class Working in Legislature
 - ❖ 8th Class Interviews Completed
- 

LABORATORY AFFILIATES

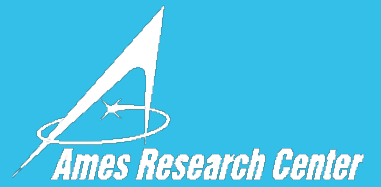
The Laboratory Affiliates are becoming even more actively engaged with CCST via increased staff support and representation on the Board of Directors.

Since February, CCST has revised and updated the Laboratory Affiliates Value Proposition and has produced a document covering the history and accomplishments of the CCST-Labs partnership.

A Laboratory Affiliates meeting will be held directly following the Council meeting.



JPL



SLAC

PROJECTS



We continue to work with Council members and decision makers to identify the highest priority information needs of the State and opportunities for CCST.



MAKERSPACE CCC PROJECT

CCC Chancellor's Office is working to engage with the Maker Movement by setting up a network of makerspaces.

CCST developed a report to provide background and a "playbook" for network development & CCCCO's forthcoming grant program.

Response has been enthusiastic. CCCCO has increased investment in the program significantly, up to \$17 million.



MAKERSPACE CCC PROJECT

Next step: Regional Stakeholder Symposia (planning in process)

3 regional meetings to be held in June

- Southern - June 16th – UCSD
- Central - week of June 20th – CSU Bakersfield
- Northern - June 13th - UCB



Report available on CCST website
<http://ccst.us/publications/2016/2016makers.php>



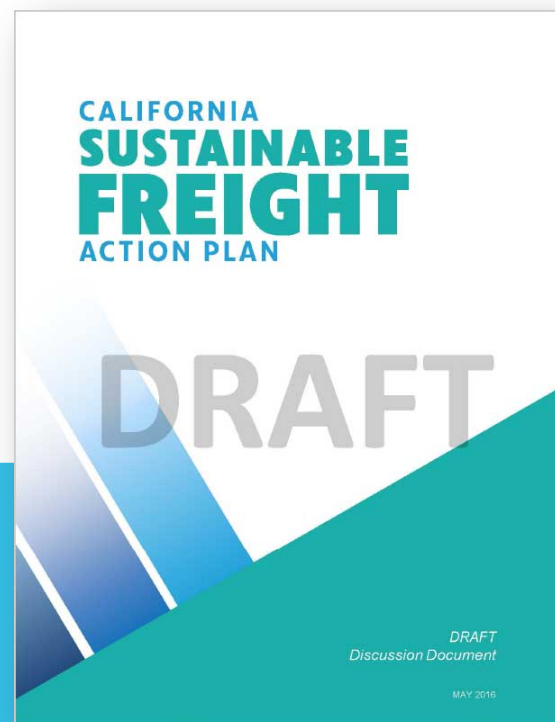
CALIFORNIA FREIGHT ACTION PLAN

Team from GoBiz working on California's Sustainable Freight Action Plan reached out to CCST for input on select issues:

- Defining & measuring competitiveness
- New technology
- Workforce development

CCST has held discussions with GoBIZ, the Air Resources Board, and CalTrans, specifically Issue 6 in Appendix C for possible CCST involvement

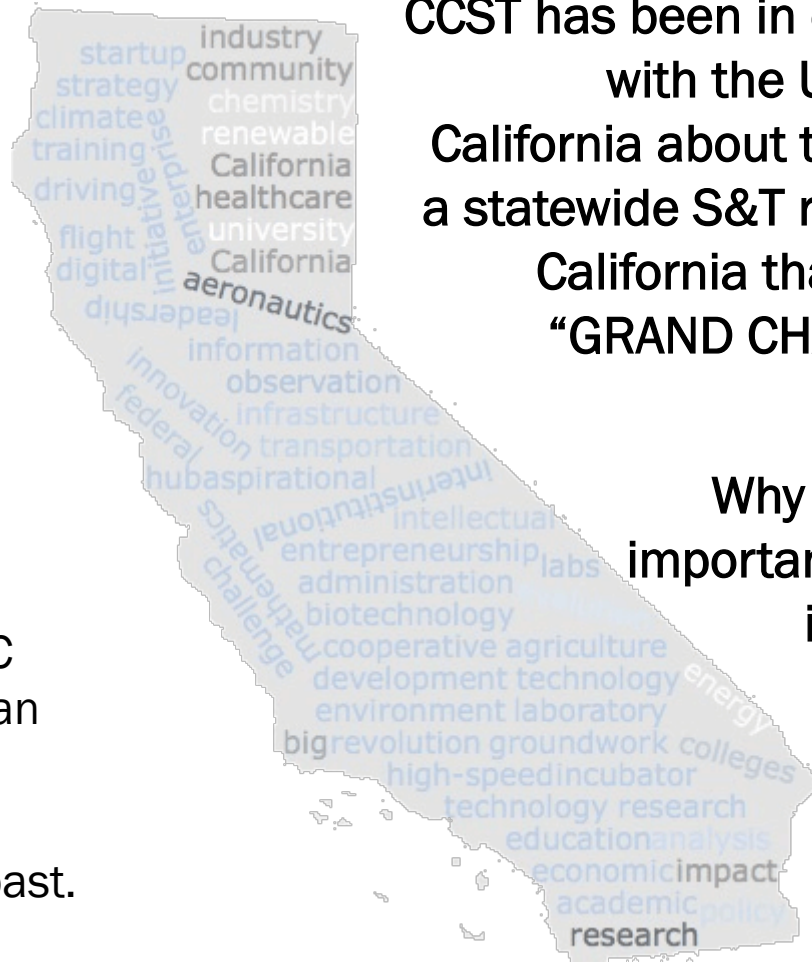
“Convene stakeholders to identify and deploy strategies that consider commercial viability and promote the competitiveness of California’s statewide and local freight transportation system, develop tools and share data to analyze benefits and impacts of actions including costs, and develop and implement a quantitative metric to track progress.”



GRAND CHALLENGES

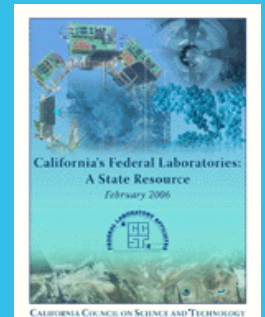
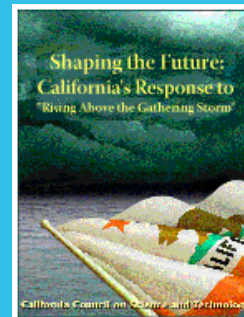
Corey Goodman is serving on the UC Innovation Council and will provide an update this afternoon.

CCST has done similar work in the past.



CCST has been in discussions with the University of California about the need for a statewide S&T roadmap for California that identifies “GRAND CHALLENGES”

Why is research important in driving innovation?



**CONTRACTING
WITH STATE GOV'T**



**AB 2452 (Assembly Member Bill Quirk)
Would allow California agencies to sole
source contracts to CCST.**

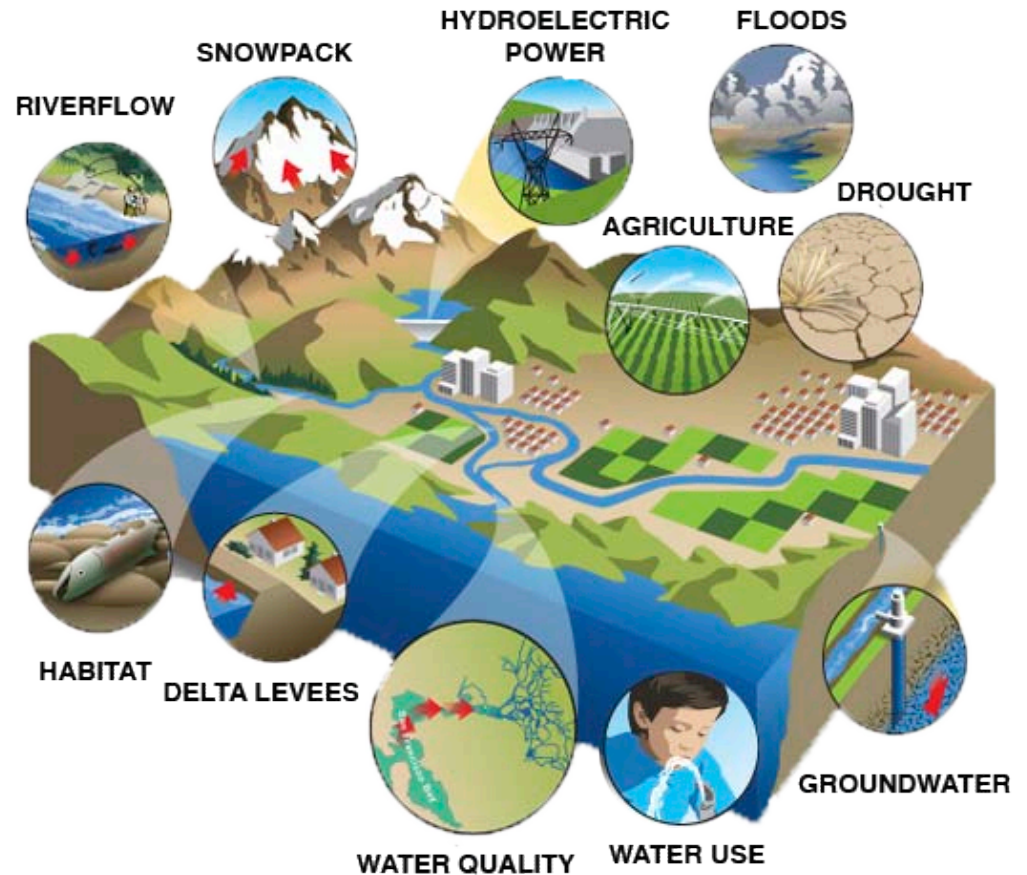
**Bill is on hold until a consensus can be
reached between CCST, the Dept. of
General Services, and the legislative
analysts.**

Meetings are ongoing.

WATER INFORMATION SYSTEMS

Council members held a call on this topic in April.

Kamyar Guivetchi, DWR will join the meeting this afternoon to discuss.



BIOMETHANE

AB 2206 (Williams) requests CCST complete a study analyzing specifications for delivery of biomethane to public gas pipelines and their impacts to cost, volume, equipment operation, and safety.

AB2206 has been referred to the Appropriations Committee.



S&T POLICY
FELLOWS

2016 FELLOWS



S&T POLICY FELLOWS

2016 Policy Fellows Placed

Erin Arms, *Senate Office of Research* PhD in Genetics from UC Davis

Emily Berry, *Assemblymember Cooley* – Ph.D. in Cell Biology from the UCSF

Dan Brumbaugh, *Senate Environmental Quality Committee* – Ph.D. in Zoology from the University of Washington.

Sarah Carvill, *Senate Transportation & Housing Committee* – Ph.D. Environmental Studies from UC Santa Cruz.

Matthew Dumlao, *Senate Natural Resources Committee* – Ph.D. in Soils and Biogeochemistry from UC Davis.

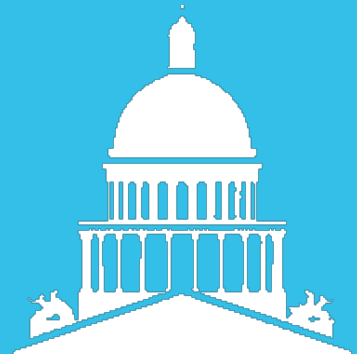
Diana Lin, *Assemblymember Quirk* – Ph.D. in environmental engineering and science from Stanford University

Esha Mathew, *Assemblymember Medina* – Ph.D. in Cellular and Molecular Biology from the University of Michigan-Ann Arbor.

Gabby Nepomuceno, *Assemblymember Bonilla* – Ph.D. in Microbiology UC Davis.

Renita Polk, *Assemblymember Gipson* – Ph.D. in Human Genetics and Molecular Biology from Johns Hopkins University

John Thompson, *Assemblymember Obernolte* – Ph.D. in Materials Science and Engineering at Northwestern University.



S&T POLICY FELLOWS

The 2016 class is immersed in the work of the Legislature. Fellows are staffing and analyzing bills, and staffing their Legislators on committees and on the floor of the Senate and Assembly.

Some areas that the current Fellows are working on include:

- Medical marijuana
- Renewable energy
- Environmental justice
- Delta and the Twin Tunnels
- Upgrading IT infrastructure in state buildings
- Drones
- Clinical lab deregulation
- Education funding
- Hydraulic fracturing



S&T POLICY FELLOWS

Application process closed on February 29th for 8th class of Fellows.

This year we had 65 highly qualified applicants. Selection committee narrowed field down to 30 applicants to be interviewed. Interviews were held May 17-19 in our Sacramento offices.

Committee will now work on selecting 10 finalists and 10 alternates. Offers will be sent out in early June.

2017 Class of Fellows
Applications



S&T POLICY FELLOWS

Expanding social media presence



<http://fellows.ccst.us/news.php>
<http://fellows.ccst.us/blog>
<http://facebook.com/CCSTFellows>
<http://twitter.com/ccstfellows>

S&T POLICY FELLOWS ALUMNI

Activities of the Policy Fellows Alumni Network, funded by a generous grant from the WHH Foundation, have been focused recently in three ways:

- **1. Professional networking**
- 2. Leadership structure & organization**
- 3. An event in the Capitol**

Alumni Network Steering Committee plans to continue meeting bimonthly or quarterly to establish a permanent, viable, sustainable organization for alumni.



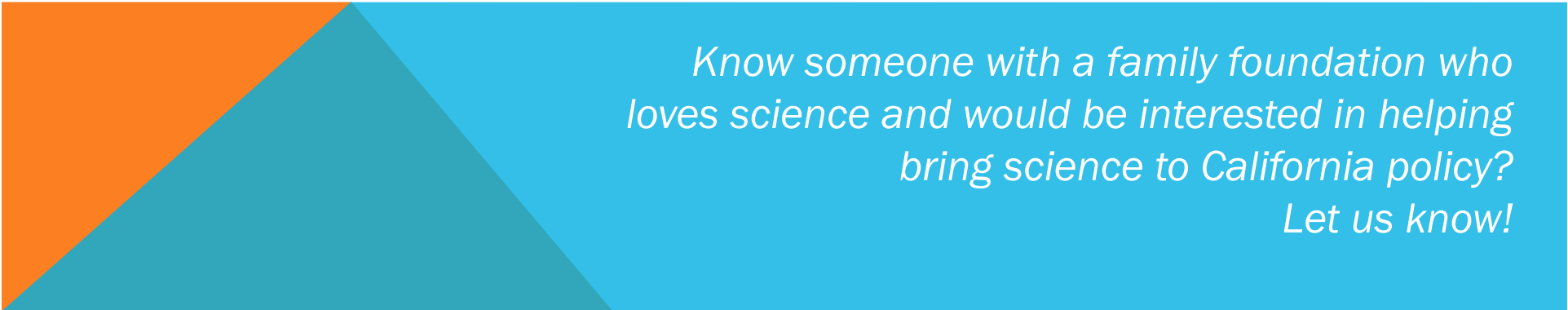
SUSTAINABILITY

We have organized numerous meetings across the state over the past few months.

Focus on markets in Palo Alto, San Francisco/Bay Area, Santa Barbara, Los Angeles, and San Diego.

Pat Callahan, our Major Gifts Officer, is trying to meet as many CCST leaders as possible.

Our goal this year is \$600,000, with a goal of \$150,000 from our Annual Giving Campaign.



*Know someone with a family foundation who loves science and would be interested in helping bring science to California policy?
Let us know!*



SUSTAINABILITY

We want to position CCST as a:

- Thought Leader
- Cutting Edge Issue Leader on Philanthropy Policy
- Convener of scientists to translate data to information for policy makers

SSIR – Stanford Social Innovation Review

Submit articles

Innovation Conference

Silicon Valley Community Foundation Innovation Conference





SUSTAINABILITY

Overlay markets and philanthropy leaders
in each market, progress to date:

- **Palo Alto, San Francisco and the Bay Area**
 - Philanthropic lead: Gordon and Betty Moore Foundation, John Morgridge, and Bruce Alberts
- **Los Angeles**
 - Philanthropic lead: Bernadette Glenn, WHH Foundation
- **Santa Barbara**
 - Philanthropic lead: TBD, two prospective donors could lead





SUSTAINABILITY

In each market:

Meet with Community Foundations – identify individuals with donor advised funds.

Completed:

Silicon Valley Community Foundation

Santa Barbara Foundation

In Process:

San Francisco Foundation

San Diego Foundation

Rancho Santa Fe Foundation

Sacramento Foundation



**WE NEED YOUR HELP IN MAKING
INTRODUCTIONS TO OPINION
LEADERS AND PHILANTHROPISTS.**

2016 MEETINGS



CCST
CALIFORNIA COUNCIL ON
SCIENCE & TECHNOLOGY

Next meeting:

OCTOBER 26-27, 2016

Board and Council Meetings

Location TBD

**A poll to set the 2017 meeting dates will
be sent out soon.**

**FOR MORE INFORMATION:
[HTTP://CCST.US](http://ccst.us)**