Funding and CRTN Consortium Membership

Maria Turingan
CSRC Coordinating Council Fall Meeting, Oct. 24, 2013
Scripps Institution of Oceanography, UCSD

CSRC Funding History Over 16 Years
July 1998 to June 2014

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>Federal Support</th>
<th>State &amp; Local Support</th>
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<td>Jul-14</td>
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**CSRC Sources of Support**

- From 1998 to 2009, the CSRC has received support primarily from NOAA for height modernization projects and for subcontractors to perform surveys.
  - Approximately 40% of CSRC direct costs were subcontracted to consulting firms and consultants.
- From 1998 to 2007, we received sporadic funding from state and local agencies.
- From 2010 to the present, funding has been generated from local agencies through the California Real Time Network (CRTN) Consortium.
- Leveraging grants from Scripps Orbit and Permanent Array Center (SOPAC) research (award amounts not shown in table above), which does not directly fund CSRC operations, but funds the research work and data that underlies CSRC and offsets staff salaries.

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**CSRC Funding History from July 1998 to June 2014**

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**CRTN Membership June 2012 to July 2014**

- Current Consortium Members (with Primary Contacts and Participants):
  1. City of Los Angeles: Tony Pratt
  2. Riverside County Flood Control and Water Conservation District: Bill Hofferber with Jim McNeill and Gary Poor
  3. Orange County: Art Andrew and Kevin Hills
  4. San Diego County: Terry Connors
  5. Riverside County Transportation Department: Ken Teich with Ed Hunt and Tim Rayburn
  6. Santa Clara Valley Water District: Thomas Dougherty
  7. City of Long Beach, Gas and Oil: Kimberley Holtz- Newest Member
  8. Scripps Institution of Oceanography: Yehuda Bock
  9. CSRC: Rich Maher
- Contributing Members: East Bay Municipal Water District: Steve Martin; Rail Surveyors and Engineers Incorporated: Cody Festa; East Bay Regional Parks: Duncan Marshall
In-Kind Support- Members and Agencies

Executive Committee
- Officers:
  - Chairperson: Rich Maher
  - Vice-Chairperson: Scott Martin
  - Secretary: To Dougherty
  - Treasurer: Bill Hofferber
- Members:
  - Greg Helmer
  - Dave Olander
  - Armand Marois
  - Brian Wiseman
- Non-elected members:
  - Chancellor of UCSD Designee: Dr. John Orcutt
  - Director of IGPP: Dr. Guy Masters
  - CSRC Director: Dr. Yehuda Bock
  - Immediate Past Chairperson: Art Andrew
  - NGS Geodetic Advisor: Vacant

CRTN Expenses - July 1, 2012 to June 30, 2013
Total Expenses = $61.5K (Direct Cost Budget= $73.2K)
Scripps Orbit and Permanent Array Center (SOPAC) Approximate Breakdown by Funding Source Over 1 Year

- NASA 65%
- NSF 16%
- CRTN 8%
- NOAA (ESRL) 4%
- UNAVCO (NSF) 3%
- SCEC (USC/USGS/NSF) 2%
- Other 2%
- SCEC (USC/USGS/NSF) 2%
- Other 2%

Future Funding Efforts

- Attracting new CRTN Consortium members, such as CLSA, Caltrans, and in the private sector.
- Finding new collaborators and partners in the surveying, GPS, and GIS community.
- Building collaborations in new areas, such as the structural engineering and monitoring, public works, office of emergency services, etc.
- Educational and outreach to reach out to new users and potential collaborators through meetings, workshops, and presentations.
- Generating more contributions/donations (ongoing).
- Generating new sources of revenue by adding value to CRTN membership, such as providing a network solution (in development).
- Applying for new National Science Foundation, NASA, or other research opportunities to help leverage costs (ongoing through SOPAC).
Conclusion: How can you help?

- Continue to participate and support CSRC/CTRN
- Attend CSRC/CTRN meetings and workshops
- Get more involved in CSRC/CTRN
- Brainstorm new ways CSRC/CTRN can fit in other departments in your organizations
- Talk about CSRC/CTRN and how you benefit from CSRC/CTRN
- Help with CSRC education and outreach
- Help us find new partners and CRTN Consortium Members

Questions?

Next Meeting: May 1, 2014
San Francisco at PG&E

Thank you!