SECOORA Board Meeting
June 18, 2019
1:00 – 3:30 PM
Agenda

1:00 - 1:15 PM  Welcome

1:15 - 1:30 PM  Treasurer Report

1:30 – 1:45 PM  Executive Director and Strategic Plan Report Out

1:45 – 2:00 PM  Break

2:00 - 2:30 PM  Committee and Staff Updates

2:30 – 3:30 PM  IOOS 5 Year Federal Funding Opportunity Process Update

3:30PM          Adjourn
Welcome

• Introductions / Roll Call
• Approval of Agenda
• Minutes Approval – April 15, 2019  VOTE
• Select Date: July Board Call / Officer Elections
• Choose: December 2019 Board Meeting Dates in Charleston, SC
  • December 16-17, 2019
  • December 17-18, 2019
• Brainstorm location and dates for 2020 Meeting
  • St. Petersburg, FL – schedule with Vembu Cup?
Treasurer’s Report

Mitch Roffer
SECOORA Treasurer
# Treasurer Report

**See Handout**

<table>
<thead>
<tr>
<th></th>
<th>Last Year Actual Apr. 2018</th>
<th>Current Year Actual Apr. 2019</th>
<th>Annual Budget</th>
<th>Budget Balance Remaining as of 4/30/19</th>
<th>% To Be Collected / % of Expenses Remaining as of 4/30/19</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INCOME</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Core Grant Revenue</td>
<td>35,823.96</td>
<td>29,281.61</td>
<td>514,791.00</td>
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<td>Membership Dues</td>
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<td>40,000.00</td>
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<tr>
<td>Other Revenue</td>
<td>505.00</td>
<td></td>
<td>84,637.00</td>
<td>82,619.78</td>
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<tr>
<td><strong>TOTAL INCOME</strong></td>
<td>$36,328.96</td>
<td>$29,281.61</td>
<td>$639,428.00</td>
<td>$224,938.09</td>
<td>35.18%</td>
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<td><strong>EXPENSES</strong></td>
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<tr>
<td>Personnel Expenses</td>
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<td></td>
<td>500,000.00</td>
<td>119,551.34</td>
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<td>Salaries</td>
<td>25,647.04</td>
<td>49,828.64</td>
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<tr>
<td>Benefits &amp; Mandates</td>
<td>7,110.01</td>
<td>9,132.72</td>
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<td>Contract Services</td>
<td>164.50</td>
<td>935.62</td>
<td>29,875.00</td>
<td>7,612.04</td>
<td>25.48%</td>
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<td>Education/Outreach Services</td>
<td></td>
<td>1,908.00</td>
<td>-1,908.00</td>
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<td>Travel</td>
<td>18,375.18</td>
<td>447.33</td>
<td>57,000.00</td>
<td>24,503.95</td>
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<td>Expendable Supplies</td>
<td>2,154.95</td>
<td>453.34</td>
<td>8,800.00</td>
<td>5,099.91</td>
<td>57.95%</td>
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<tr>
<td>Dues &amp; Subscriptions</td>
<td></td>
<td></td>
<td>10,000.00</td>
<td>-75.00</td>
<td>-0.75%</td>
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<tr>
<td>Other Expense</td>
<td></td>
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<td>Tort Liability Insurance</td>
<td>229.43</td>
<td>229.42</td>
<td>2,753.00</td>
<td>458.83</td>
<td>16.67%</td>
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<td>Office Expenses</td>
<td>796.10</td>
<td>696.11</td>
<td>9,000.00</td>
<td>2,487.72</td>
<td>27.64%</td>
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<td>Other Contingency expenses</td>
<td>922.47</td>
<td>175.00</td>
<td>2,000.00</td>
<td>1,514.98</td>
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<tr>
<td>Student Opportunities</td>
<td></td>
<td></td>
<td>20,000.00</td>
<td>19,538.96</td>
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<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td>$55,399.68</td>
<td>$61,898.18</td>
<td>$639,428.00</td>
<td>$178,784.73</td>
<td>27.96%</td>
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<td><strong>Net Income (Loss)</strong></td>
<td>-$19,070.72</td>
<td>-$32,616.57</td>
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# Treasurer Report
Review of Subcontracts as of June 6, 2019

## See Handout

<table>
<thead>
<tr>
<th>Contract Number</th>
<th>Institution</th>
<th>PI</th>
<th>Code</th>
<th>Total Award Amount Years 1, 2, &amp; 3</th>
<th>Invoices Received To Date</th>
<th>Amount Remaining in Award</th>
<th>Start Date</th>
<th>End Date</th>
<th>Extension</th>
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<tbody>
<tr>
<td>IOOS YEAR 1, 2 &amp; 3</td>
<td>SECOORA</td>
<td>Debra Hernandez</td>
<td>GOV</td>
<td>$106,765.00</td>
<td>$72,221.63</td>
<td>$34,543.37</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<tr>
<td>4</td>
<td>SECOORA GLIDER HOLDBACK</td>
<td>SECOORA</td>
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<tr>
<td>5</td>
<td>IOOS.16(028)UNCW.OBS.1</td>
<td>Lynn Leonard</td>
<td>OBS</td>
<td>$1,109,600.00</td>
<td>$933,848.08</td>
<td>$175,751.92</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<tr>
<td>6</td>
<td>IOOS.16(028)USF.BW.OBS-MOOR.1</td>
<td>USF</td>
<td>OBS-MOOR</td>
<td>$755,380.00</td>
<td>$602,993.95</td>
<td>$152,386.05</td>
<td>6/1/16</td>
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<td>7</td>
<td>IOOS.16(028)USF.ML.OBS.1</td>
<td>Mark Luther</td>
<td>OBS</td>
<td>$152,000.00</td>
<td>$146,463.38</td>
<td>$5,536.62</td>
<td>6/1/16</td>
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<td>5/31/20</td>
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<td>8</td>
<td>IOOS.16(028)UM.LS.OBS.1</td>
<td>Nick Shay</td>
<td>OBS</td>
<td>$399,520.00</td>
<td>$309,862.71</td>
<td>$89,657.29</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<tr>
<td>9</td>
<td>IOOS.16(028)FIT.GM.OBS.3</td>
<td>George Maul</td>
<td>OBS</td>
<td>$167,532.00</td>
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<td>$167,532.00</td>
<td>6/1/18</td>
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<td>10</td>
<td>IOOS.16(028)USC.GV.OBS.1</td>
<td>George Vougaris</td>
<td>OBS</td>
<td>$272,716.00</td>
<td>$228,123.45</td>
<td>$44,592.55</td>
<td>6/1/16</td>
<td>5/31/19</td>
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<tr>
<td>11</td>
<td>IOOS.16(028)UGA/SkIO.DS.OBS.1</td>
<td>UGA/SkIO</td>
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<td>$272,800.00</td>
<td>$148,354.01</td>
<td>$124,445.99</td>
<td>6/1/16</td>
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<td>12</td>
<td>IOOS.16(028)UGA/SkIO.DS.OBS.3</td>
<td>UGA/SkIO</td>
<td>OBS</td>
<td>$190,275.00</td>
<td>$0.00</td>
<td>$190,275.00</td>
<td>6/1/16</td>
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<tr>
<td>13</td>
<td>IOOS.16(028)UNCCH.HS.OBS.1</td>
<td>Dana Savidge</td>
<td>OBS</td>
<td>$328,160.00</td>
<td>$269,542.00</td>
<td>$58,618.00</td>
<td>6/1/16</td>
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<td>14</td>
<td>IOOS.16(028)USF.BW.OBS-HFR.1</td>
<td>Bob Weisberg</td>
<td>OBS-HFR</td>
<td>$364,520.00</td>
<td>$295,989.34</td>
<td>$68,530.66</td>
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<td>15</td>
<td>IOOS.16(028)SCDNR.DS.OBS.1</td>
<td>Denise Sanger</td>
<td>OBS</td>
<td>$110,000.00</td>
<td>$88,317.15</td>
<td>$21,682.85</td>
<td>6/1/16</td>
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<td>16</td>
<td>IOOS.16(028)UGA/SkIO.CE.GLD.1</td>
<td>UGA/SkIO</td>
<td>GLD</td>
<td>$79,415.00</td>
<td>$49,960.42</td>
<td>$29,454.58</td>
<td>6/1/16</td>
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<tr>
<td>17</td>
<td>IOOS.16(028)GATECH.FZ.GLD.1</td>
<td>Fumin Zhang</td>
<td>GLD</td>
<td>$62,286.00</td>
<td>$62,286.00</td>
<td>$0.00</td>
<td>6/1/16</td>
<td>5/31/19</td>
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<tr>
<td>18</td>
<td>IOOS.16(028)UNCCH.HS.GLD.1</td>
<td>Harvey Seim</td>
<td>GLD</td>
<td>$77,381.00</td>
<td>$39,942.98</td>
<td>$37,438.02</td>
<td>6/1/16</td>
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<tr>
<td>19</td>
<td>IOOS.16(028)NCSU.RH.GLD.1</td>
<td>Ruoying He</td>
<td>GLD</td>
<td>$53,349.00</td>
<td>$13,637.50</td>
<td>$39,711.50</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<tr>
<td>20</td>
<td>IOOS.16(028)USF.CL.GLD.1</td>
<td>Chad Lembke</td>
<td>GLD</td>
<td>$82,803.00</td>
<td>$40,881.67</td>
<td>$41,921.33</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<tr>
<td>21</td>
<td>IOOS.16(028)USC.DP.MOD.1</td>
<td>Dwayne Porter</td>
<td>MOD</td>
<td>$304,000.00</td>
<td>$236,669.51</td>
<td>$67,330.49</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<tr>
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<td>IOOS.16(028)NCSU.RH.MOD.1</td>
<td>Ruoying He</td>
<td>MOD</td>
<td>$395,200.00</td>
<td>$316,202.49</td>
<td>$78,997.51</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<td>23</td>
<td>IOOS.16(028)UNCW.JD.OBS.1</td>
<td>Lynn Leonard</td>
<td>PRO</td>
<td>$62,181.00</td>
<td>$60,928.70</td>
<td>$1,252.30</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<td>24</td>
<td>IOOS.16(028)UGA.SN.OA.1</td>
<td>Scott Noakes</td>
<td>OA</td>
<td>$164,736.00</td>
<td>$83,355.41</td>
<td>$81,380.59</td>
<td>6/1/16</td>
<td>5/31/19</td>
<td>5/31/20</td>
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<td>25</td>
<td>SECOORA Contracts</td>
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<tr>
<td>26</td>
<td>Anna Jones (Coastal States Stewardship Foundation)</td>
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<td>$4,000.00</td>
<td>1,774.20</td>
<td>2,225.80</td>
<td>11/29/18</td>
<td>2/28/19</td>
<td>2/28/20</td>
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<td>27</td>
<td>Axiom Data Science (DMAC &amp; WebCat Services)</td>
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<td>$605,232.00</td>
<td>571,258.37</td>
<td>33,973.63</td>
<td>6/1/16</td>
<td>5/31/19</td>
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<td>28</td>
<td>Filipe Fernandez (Curate IOOS Open Source Depositories)</td>
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<td>$163,995.00</td>
<td>148,113.75</td>
<td>15,881.25</td>
<td>6/1/16</td>
<td>5/31/19</td>
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# Treasurer Report
## Review of Membership P&L as of April 30, 2019

### SECOORA MEMBERSHIP REVENUES AND EXPENSES - CASH ON HAND REPORT

#### SEE HANDOUT

<table>
<thead>
<tr>
<th>FY08 - FY15</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19 04/30/19</th>
<th>Grand Total</th>
</tr>
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<tbody>
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<td><strong>Revenue</strong></td>
<td></td>
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</tr>
<tr>
<td>Membership Dues</td>
<td>313,750.00</td>
<td>41,250.00</td>
<td>38,500.00</td>
<td>37,450.00</td>
<td>36,432.50</td>
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<td>Registration / Meeting Sponsorships</td>
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<td>500.00</td>
<td>500.00</td>
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<td>Corporate Sponsorship</td>
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<td>Interest Earned</td>
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<tr>
<td>Miscellaneous</td>
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<td>2,483.83</td>
<td>26,591.77</td>
<td>2,128.98</td>
<td>17.22</td>
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<tr>
<td><strong>Total Revenue</strong></td>
<td>327,900.47</td>
<td>44,233.83</td>
<td>65,612.92</td>
<td>46,958.53</td>
<td>38,449.72</td>
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</table>

#### Expenses

<table>
<thead>
<tr>
<th>FY08 - FY15</th>
<th>FY16</th>
<th>FY17</th>
<th>FY18</th>
<th>FY19 04/30/19</th>
<th>Grand Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>5% DH Salary and Benefits</td>
<td>33,107.77</td>
<td>6,293.55</td>
<td>6,886.24</td>
<td>6,596.61</td>
<td>6,232.32</td>
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<tr>
<td>Travel / Meeting</td>
<td>36,784.31</td>
<td>9,743.46</td>
<td>13,536.96</td>
<td>8,124.78</td>
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<td>IOOS Association Dues</td>
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<td>500.00</td>
<td>3,000.00</td>
<td>2,000.00</td>
<td>1,000.00</td>
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<tr>
<td>Expendable Supplies</td>
<td>1,656.23</td>
<td>134.72</td>
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<td>Home Office Expense</td>
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<td>(1,046.00)</td>
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<td>Returned Dues (2 checks were submitted)</td>
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<td>Education / Outreach</td>
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<td>500.00</td>
<td>2,401.50</td>
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<td>Bank Fees</td>
<td>414.09</td>
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<td>Contract Services</td>
<td>700.00</td>
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<td>570.37</td>
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<td>1,270.37</td>
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<td>Insurance - Liability, Health, Workers Comp</td>
<td>2,816.88</td>
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<td>Charleston County (Property Tax) / State (Filing Fees)</td>
<td>683.95</td>
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<td>683.95</td>
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<td>Contingency</td>
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<tr>
<td>Accounting Adjustment by Elliott Davis - Expendable Supplies</td>
<td>-2,151.61</td>
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<td>-2,151.61</td>
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<tr>
<td>Student Opportunities - E&amp;O</td>
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<td></td>
<td>461.04</td>
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<td>Data Challenge Annual Awards</td>
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<td></td>
<td>7,500.00</td>
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<td>7,500.00</td>
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<tr>
<td>Vembu Subramanian Scholarship Fund Matching</td>
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<td>16,287.19</td>
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<td>26,636.19</td>
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<tr>
<td><strong>Total Expenses</strong></td>
<td>84,679.64</td>
<td>16,721.73</td>
<td>39,228.36</td>
<td>35,140.76</td>
<td>12,454.54</td>
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</tbody>
</table>

**Income/(Loss)** | 243,220.83 | 27,512.10 | 26,384.56 | 11,817.77 | 25,995.18 | 334,930.44 |

**TARGET RESERVE FUND (SECOORA Operating Expenses)** | 280,000.00 |

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Strategic Plan Report Out

Debra Hernandez,
SECOORA Executive Director
Outline

• First Foundation Grant

• Strategic Plan Update
  • Time Period: June 1, 2018 to May 31, 2019

• Funding Update
  • Hurricane Repairs
  • Coastal and Ocean Modeling Testbed Project
  • IOOS Year 4
  • WebCAT
SECOORA & FACT Receive Foundation Challenge Grant to Support Fisheries Research in South Florida

$15,000 – Curtis & Edith Munson Foundation

**Purpose:** Purchase & deploy water temperature loggers and acoustic receivers

Challenge grant – 1:1 match

**Purpose:**
Matching dollars will fund a graduate student and purchase equipment to support their research.

Study area
Munson Foundation is Supporting the FACT Network

• Purchase 30 HOBO temperature loggers and 3 VEMCO receivers.
  o All items received by Joy Young and ready for deployment

• Temp loggers will be co-located with VEMCO receivers to aid in understanding of:
  o temperature impacts to fish habitat use
  o creation of predictive models of temperature dependent fish behavior
  o model validation for hurricanes
  o coral reef response to water temperature

• Temp logger data will be shared with SECOORA for use by other research partners such as the SAFMC

• Updates to FACT Projects page (https://secoora.org/fact/projects-species/)
  • include 8-9 projects
  • Munson Foundation award
Two ways to reach goal of $15,000 match!

Reminder: Every dollar contributed will be 1:1 matched. Funds will support a graduate student to coordinate the collection of the data from the temperature loggers and purchase acoustic sensors to tag fish. All data will be incorporated in a research project.

Option 1: Donate Directly

Easy donation webpage set up on Network for Good (donation platform).

All donations are secure and tax deductible.

Option 2: Potential Donors?

Do you have foundations or other groups that might be interested in providing matching support?

Please let us know!
SECOORA Strategic Plan: 2016-2021

**MISSION**
SECOORA’s mission is to observe, understand, and increase awareness of our coastal ocean; promoting knowledge, economic and environmental health through strong regional partnerships.

**5 YEAR VISION**
SECOORA is the recognized leader, valued partner, and go to source for coastal ocean information in the southeast.

**CORE VALUES**
We believe in...

- Inclusive and collaborative partnerships
- Accessible useful information for addressing societal needs
- Science based discovery and decision-making
- Leadership in coastal ocean science
- Positive and supportive SECOORA working environments
- Scientific integrity, technical excellence, and innovation
- Active stewardship of coastal ocean ecosystems

**STRATEGIC GOALS**

1. Increase exposure and broaden usage of SECOORA’s information and products
   - Strategies:
     - Improve web-based information system and web presence.
     - Provide state of the art tools, including phone apps, data analysis tools and decision support tools, and information on how to use the tools.
     - Implement an effective outreach strategy to reach priority user groups, such as managers, fishers, researchers, planners, etc.

2. Utilize a prioritized science-justified ocean observing system plan to guide and inform decision making and implementation
   - Strategies:
     - Regularly review status of Coastal Ocean Observing System technologies and advancements.
     - Develop agreement on the Regional Coastal Ocean Observing System Plan utilizing existing proposal, plans and documents.
     - Utilize the RCOOS plan for funding opportunities

3. Expand partnerships – including membership and stakeholders
   - Strategies:
     - Engage and inform students and the public in ocean observing
   - Strategies:
     - Support citizen-science opportunities
     - Engage students in problem solving using ocean observing data
     - Establish our researchers and program managers as resources for students and the general public
     - Identify and pursue cooperative educational funding opportunities

4. Engage and inform students and the public in ocean observing
   - Strategies:
     - Expand & diversify funding that advances SECOORA’s mission
     - Ensure SECOORA’s operational & governance structure enables us to achieve our vision
     - Have an effective marketing and outreach strategy
     - Ensure effective implementation of all grants, including the IOOS grant

www.secoora.org/2019-annual-meeting

#SECOORA19
| Goal 1: Increase Exposure and Broaden Usage of SECOORA's Information and Products |
| Time Period: June 1, 2018 to May 31, 2019 |

<table>
<thead>
<tr>
<th><strong>WEBINARS</strong></th>
<th><strong>DATA PORTAL</strong></th>
<th><strong>WEBSITE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>358 People Attended</td>
<td>11,212 Sessions</td>
<td>51,290 Sessions</td>
</tr>
<tr>
<td>576 People Registered</td>
<td>11,212 Sessions</td>
<td>41,446 Users</td>
</tr>
<tr>
<td>181 Views on YouTube</td>
<td>5245 Users</td>
<td>38 News Stories</td>
</tr>
<tr>
<td>515 People on Listserv</td>
<td>2 Feedback Sessions</td>
<td>4%</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th><strong>SOCIAL MEDIA</strong></th>
<th><strong>MISCELLANEOUS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Twitter 650 Followers</td>
<td>1 Annual Report</td>
</tr>
<tr>
<td>Facebook 452 Facebook Likes</td>
<td>2 Public Forums</td>
</tr>
<tr>
<td>174 Data Portal Referrals</td>
<td>6 Emails to Newsletter Listserv (1022 ppl)</td>
</tr>
<tr>
<td>1546 Website Referrals</td>
<td>1 Boat Show</td>
</tr>
<tr>
<td>21%</td>
<td>149%</td>
</tr>
</tbody>
</table>

6% | 4% |

52% | 60% |

66% | 52% |

43% | 23% |

67% | 149% |

43% | 6% |
GOAL 2 - Utilize a Prioritized Science-Justified Ocean Observing System Plan to Guide and Inform Decision Making and Implementation

Time Period: June 1, 2018 to May 31, 2019

15 SCIENCE MEETINGS
2 Sponsored Meetings

OBSERVING PLANS
RCOOS Plan Draft (17 Reviewers)

BY THE NUMBERS

20 Glider Days at Sea
13 HF Radars
13 Buoys
6 Coastal Stations
178 Pamlico Sound, NC and St. John’s River, FL
6 Models and Applications
4
GOAL 3 - Expand Partnerships – including membership and stakeholders
Time Period: June 1, 2018 to May 31, 2019

MEMBERSHIP
4 New Members Joined
40 SECOORA Members
6 In Person Member In-reach Meetings
6 Meetings with Potential Members

FACT Network
4,470 Pageviews ↑ 75%
1 Foundation Grant
1 Data Manager

SOCAN
1 South Carolina and Georgia Stakeholder Meeting
3 In Person Outreach Visits
1,517 Pageviews ↓ 27%

SDRP
2,997 Pageviews ↑ 211%
2 In Person Meeting
In Process of Hiring a New Coordinator
New Website Launched March 2019
GOAL 4 - Engage and inform students and the public in ocean observing
Time Period: June 1, 2018 to May 31, 2019

VEMBU SUBRAMANIANI AWARD
$1,000 Raised for VS Award Giving Tuesday
Increased Award to $3,500
3 People Applied for the Award

EXTREME EVENT
1 Hurricane Data Page
1 Red Tide Data Page
2 National News Stories

STUDENT OUTREACH
1 Science Festival with GCOOS
4 Field Trips to a Coastal Station in FL
1 Undergraduate Data Workshop

1 INFOGRAPHIC
Projects By State

E&O COMMITTEE
4 Calls Were Held
Planning SLR Curriculum 4 Part Webinar Series

DATA CHALLENGE
5 Applied
2 Awards of $3,000
Expands WebCAT Data Use
GOAL 5 - Improve SECOORA's Organization Capabilities
Time Period: June 1, 2018 to May 31, 2019

CONGRESSIONAL
18 In person meetings with Congressional staffers
(+ numerous other phone calls & emails)
Fill the Gaps Campaign resulted in:
  6 radars
  1 new Slocum profiling glider

ADMINISTRATION
Clean audit report
2 IOOS progress reports submitted
1 IOOS descope completed
6 Principal Investigator calls

PROPOSALS
7 Federal proposals submitted (5 funded)
1 foundation proposal funded
Funding Update

Hurricane Repairs: $1.014M
- 7 contracts issued
- Purchasing supplies & equipment
- Monthly updates and quarterly reports
- 2 year award

Coastal & Ocean Modeling Testbed project: $899k
- 2 contracts
- 3 year award

Pending - Hurricane Gliders: $220k
- 2 year award

IOOS Year 4: ~$3.4M
- IOOS core funds: $2.4M
- Fill the Gap campaign: $505k
  - HAB effort on the west Florida shelf
  - Acoustic sensors on buoys / data analysis
- ATN (FACT and GADNR): $155k
- SCDRP: $110k
- SOCAN: ~ $30k
- OAP (Gray’s Reef buoy): $31k
- Regional Ocean Data: $166k
- 1 year award

  - WebCAT
    - 2 year award

  - $5,000
Education and Outreach Committee Update
Abbey Wakely, SECOORA
Education and Outreach Committee Update

Projects Update

Data Challenge
- 5 proposals were submitted
- 2 awards of $3,000
- Expands WebCAT data use

Vembu Award:
- Updated to support conference presentation travel and research
- 3 People Applied for the Award

Members
Dwayne Porter, University of South Carolina (Chair)
EV Bell, SC Sea Grant
Philip Kramer, FL Institute of Oceanography
Melinda Simmons, Jacksonville University
Lisa Adams, Kennesaw State University

Looking Ahead

Team with Georgia Smart Sea Level Sensors Project to host sea level rise curriculum for 6th graders on the SECOORA website

4 part webinar series for teachers planned for September 2019
Science Committee
Nick Shay, Chair
## SECOORA Science Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>State</th>
<th>Expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nick Shay, Chair</td>
<td>UM</td>
<td>FL</td>
<td>Experimental and theoretical investigations of the ocean response and coupled air-sea interactions during strong atmospheric forcing events</td>
</tr>
<tr>
<td>Lynn Leonard</td>
<td>UNCW</td>
<td>NC</td>
<td>Coastal Hydrology and Sedimentology, ocean instrumentation</td>
</tr>
<tr>
<td>Vince Lovko</td>
<td>Mote</td>
<td>FL</td>
<td>UVs, HABs</td>
</tr>
<tr>
<td>Ruoying He</td>
<td>NCSU</td>
<td>NC</td>
<td>Coastal and ocean dynamics and modeling</td>
</tr>
<tr>
<td>Lena Schulze</td>
<td>JU</td>
<td>FL</td>
<td>Large scale ocean circulation, Ocean dynamics, Ocean instrumentation</td>
</tr>
<tr>
<td>Bill Savidge</td>
<td>UGA</td>
<td>GA</td>
<td>Estuarine water quality, continental shelf oceanography, development and application of new technologies for ocean observation</td>
</tr>
<tr>
<td>Chris Kalinowsky</td>
<td>GADNR</td>
<td>GA</td>
<td>Fisheries management and science, tagging, etc.</td>
</tr>
<tr>
<td>Nicole Elko</td>
<td>SC Beach Advocates</td>
<td>SC</td>
<td>Beach dynamics, beach re-nourishment, coastal policy</td>
</tr>
<tr>
<td>Tiffany Troxler</td>
<td>FIU</td>
<td>FL</td>
<td>Wetlands ecosystems ecology, sea level rise, climate change, and community resiliency</td>
</tr>
</tbody>
</table>
Science Committee Charge

• Support the SECOORA staff in development and maintenance of a RCOOS Plan for SECOORA. This plan will define, in broad terms, the observational, technical, scientific, and information delivery components of SECOORA’s enterprise necessary to address the coastal ocean issues facing the SECOORA region. The RCOOS Plan should be kept consistent with national guidelines and the IOOS societal goals.

• Keep the SECOORA RCOOS Plan current, by modifying, refining, and adding to the existing plan as SECOORA efforts progress.

• Provide oversight for ensuring instrumentation and observation schemes in the SECOORA region are consistent with national and international Ocean Observing System scientific recommendations.

• Interface with other SECOORA committees to ensure fidelity of the RCOOS Plan with the broader SECOORA charge, such as service to stakeholders.

• The Committee, through its Chair, will provide guidance and review of science and observing related Request for Proposals, and input into proposals written on behalf of SECOORA as requested by the Executive Director.
Mini Proposal
Jennifer Dorton, SECOORA
SECOORA Mini-Proposal

• SECOORA RFP - $30,000 for a one year project to address environmental concerns in the region
  o Harmful Algal Blooms
  o Sound in the marine environment
  o Coral health

• 10 proposals submitted and 5 reviewers

• PI Eric Monti, University of South Carolina – Beaufort
  • Integrating Biological Sound and Noise Measurements into Regional Coastal Ocean Observing Systems (RCOOS) in Estuaries of South Carolina
IOOS 5 Year Federal Funding Opportunity Process Update

Debra Hernandez & Jennifer Dorton
SECOORA
IOOS 5-year Proposal Process & Schedule

June 2019 Annual Meeting
• Vote on proposal process with full membership
• Terms of Reference for Expert Review Panel

June 2019 - September 2019
• Independent DMAC and PI Review
• Stakeholder assessment for RCOOS plan
• Solicit nominations and finalize membership of Expert Review Panel
• ? Conduct DMAC solicitation ?? Select DMAC contractor

September 2019 - December 2019
• RCOOS Plan(§) updated & finalized
• Draft solicitation for LOIs: Establish priorities for next 5-years
• Refine process and schedule for approval at next in person December 2019 Board Meeting

January 2020 – May 2020
• Solicit nominations for Expert Review Panel

May 2020
• Vote on proposal process with full membership
• Terms of Reference for Expert Review Panel finalized
• Board Votes on LOI Expert Review Panel Membership

May 15 – July 15, 2020
• Open LOI process for 60 days

• IOOS PO Call for Proposals is released
• Review Panel Selects LOIs

March 2020 – June 2020
• Identify proposal Writing Team
• Write Proposal
• Fall 2020 January 2021
• Proposals are due
IOOS 5-year Proposal Process & Schedule

Summer 2019
1. Independent DMAC Review
2. Stakeholder input to RCOOS plan

Sept. 2019:
Select DMAC contractor

Sept. – Dec. 2019
1. RCOOS Plan updated & finalized
2. Establish priorities for next 5 years
3. Draft solicitation for LOIs

Dec. 2019:
Board approves LOI process & schedule

Jan. – May 2020
1. Solicit nominations for Expert Review Panel

May 2020:
1. Membership votes on process
2. TOR for Expert Review Panel approved
3. Expert Panel selected

May 15 – Jul. 15, 2020
1. Open LOI process for 60 days

Jan. 2021
1. Board approves
2. Proposal submitted

Jul. - Dec. 2020
1. IOOS PO releases FFO
2. Review Panel selects LOIs
3. Proposal written
RCOOS Plan

Debra Hernandez & Jennifer Dorton

SECOORA
DMAC RFQ

• RFQ Issue Date: March 20, 2019
• Submission Deadline: May 22, 2019
• Period of Performance: June 1, 2021 – May 31, 2026*
• Two proposals submitted
• Four person review team:
  o SECOORA PI
  o NOAA IOOS
  o NOAA NCEI
  o other RA representative
• Reviews begin end of June, identify contractor by end of September
January 2019 Board Meeting

RCOOS Planning Session, January 16, 2019

• Recommendation: RCOOS Plan ≠ technology plans.
• RCOOS Plan should connect to theme areas and focus our next proposal.
• SECOORA staff, with the help of experts: Develop informal thematic white papers (as basis for RCOOS plan).
• RCOOS plan will include:
  • environmental concerns
  • technology that can address the concern
• RCOOS plan will be drafted by September 2019.
Objective

- Presents SECOORA priorities for contributing to our improved understanding, management, and sustainment of valued coastal ocean resources.

- Document Sections
  1. Overview
  2. Focus Areas
  3. RCOOS Technologies

- Outcome:
  - This plan will provide guidance for SECOORA future research and technology investments and guide 2020 IOOS proposal development process.
Audience

• **SECOORA staff and Board of Directors:**
  o to establish **priorities** for funding decisions

• **IOOS Program Office:**
  o to inform and meet **certification requirements**

• **SECOORA members:**
  o to articulate **priorities and provide guideposts** for future activities

• **Regional stakeholders** and potential members:
  o to **demonstrate capabilities and describe connections** to regional needs and priorities
Document Timeline – Completed Actions

Feb. 2019:
• Contracted w/ Megan Treml

Apr. 2019:
• Ecosystems focus areas sent to reviewers for initial feedback

May 2019:
• Integrated reviewer comments,
• Developed Marine Operations & Coastal Hazards and Climate Variability focus areas
• Draft document to:
  • Board
  • Subject Matter Experts
• Reviewer feedback incorporated.

Jun. 10, 2019:
• Draft document sent to PIs
Timeline – Upcoming Actions

Jun. 18:
- Present four focus areas at Annual Members and Stakeholders meeting
  - Storm Tracking and Forecasting
  - Coastal Flooding and Sea Level Rise
  - Public Health
  - Fisheries

Jun. 30:
- Receive edits/comments from PIs

Jul.:
- Integrate feedback from Annual meeting and PIs
- Send Plan to Science Committee

Jul. – Sept.:
- Incorporate feedback from the Science Committee
- Develop online surveys to gather stakeholder feedback
Timeline – Upcoming Actions

October 1 - 14:
  • Integrate survey responses into document

October 15 – 31:
  • Final Board Review

November 1 - 10:
  • Integrate Board feedback

November 15:
  • Finalize RCOOS Plan
Focus Areas and Research Themes

• Ecosystems: Living Marine Resources and Water Quality
  • Fisheries
  • Ocean Sound
  • Public Health
  • Coral Health
  • Coastal and Ocean Acidification

• Marine Operations
  • Marine Safety
  • Rip Currents
  • Offshore Resources

• Coastal Hazards and Climate Variability
  • Storm Tracking and Forecasting
  • Coastal Flooding and Sea Level Rise
Structure of Research Themes

• Challenges:
  o defines key management challenges

• Priority Geographic Area(s):
  o identifies critical geographic areas

• Partner Activities:
  o examples of related efforts by state, federal, and NGO partners

• Core Variables Required:
  o core variables as defined by NOAA IOOS with other variables identified as needed

• Current SECOORA Investments:
  o funded RCOOS components

• Additional SECOORA Investment Opportunities:
  o needs defined by stakeholder engagement, subject matter expert discussion, and previous observing platform gap analyses
RCOOS Technologies

- Observing
  - Moored Stations
  - Coastal Stations
  - Autonomous Underwater Vehicle Observatory (gliders)
  - High Frequency Radar
  - Web Cameras
  - Unmanned Aircraft Systems
  - Emerging Technologies

- Modeling

- Data Management and Communications

- Products

- Outreach and Education
Planning for 2021 - 2026

- RCOOS plan will guide our next proposal writing process.
- Potential PIs should review the Plan and assure their LOI/proposal aligns with SECOORA priorities.

Process for setting Priorities
  - Evaluate existing investments (develop metrics?)
  - Prioritize additional investment opportunities
1. Significant gaps in focus areas or research themes?

2. Are these focus areas equal?
   • Should funds be used equally between all 3?

3. What are the priority investments:
   • Observations?
   • Data management support?
   • Modeling and forecasting?
   • Research/science investment?
   • Education and outreach?
Focus Areas and Research Themes

- Ecosystems: Living Marine Resources and Water Quality
  - Fisheries
  - Ocean Sound
  - Public Health (HABS, Beach & Shellfish WQ)
  - Coral Health
  - Coastal and Ocean Acidification

- Marine Operations
  - Marine Safety
  - Rip Currents
  - Offshore Resources (Wind, O&G, Sand, Aquaculture)

- Coastal Hazards and Climate Variability
  - Storm Tracking and Forecasting
  - Coastal Flooding and Sea Level Rise
1. Significant gaps in focus areas or research themes?

2. Are these focus areas equal?
   • Should funds be used equally between all 3?

3. What are the priority investments:
   • Observations?
   • Data management support?
   • Modeling and forecasting?
   • Research/science investment?
   • Education and outreach?
Current Expenditures

2018 Percentage

- Biological: 4%
- Program dev.: 10%
- DMAC: 7%
- Models & Products: 7%
- Observations: 67.4%
- Ed. & Outreach: 3.2%
- Resiliency: 1%

Observation Percentage

- New: 25%
- Moorings & Coastal stations: 20%
- HFR: 15.4%
- Gliders: 4%
- Acoustic receivers: 2%
- Webcams: 1%