

Update on Membership Vacancies

June 20, 2018

STAC Quarterly Meeting Webinar

STAC Rotation Updates

- **ONGOING**

- (1) **Federal appointment** - Marc Ribaudó switched to an at-large membership in Dec. 2017
- (1) **At-large appointment** - Steve Newbold is departing STAC, effective June 2018

- **JUNE 2018**

- (2) **At-large appointments** – Carl Friedrichs and Mark Luckenbach rotate off

- **SEPTEMBER 2018**

- (2) **At-large appointments** – Donna Bilkovic and David Newburn rotate off

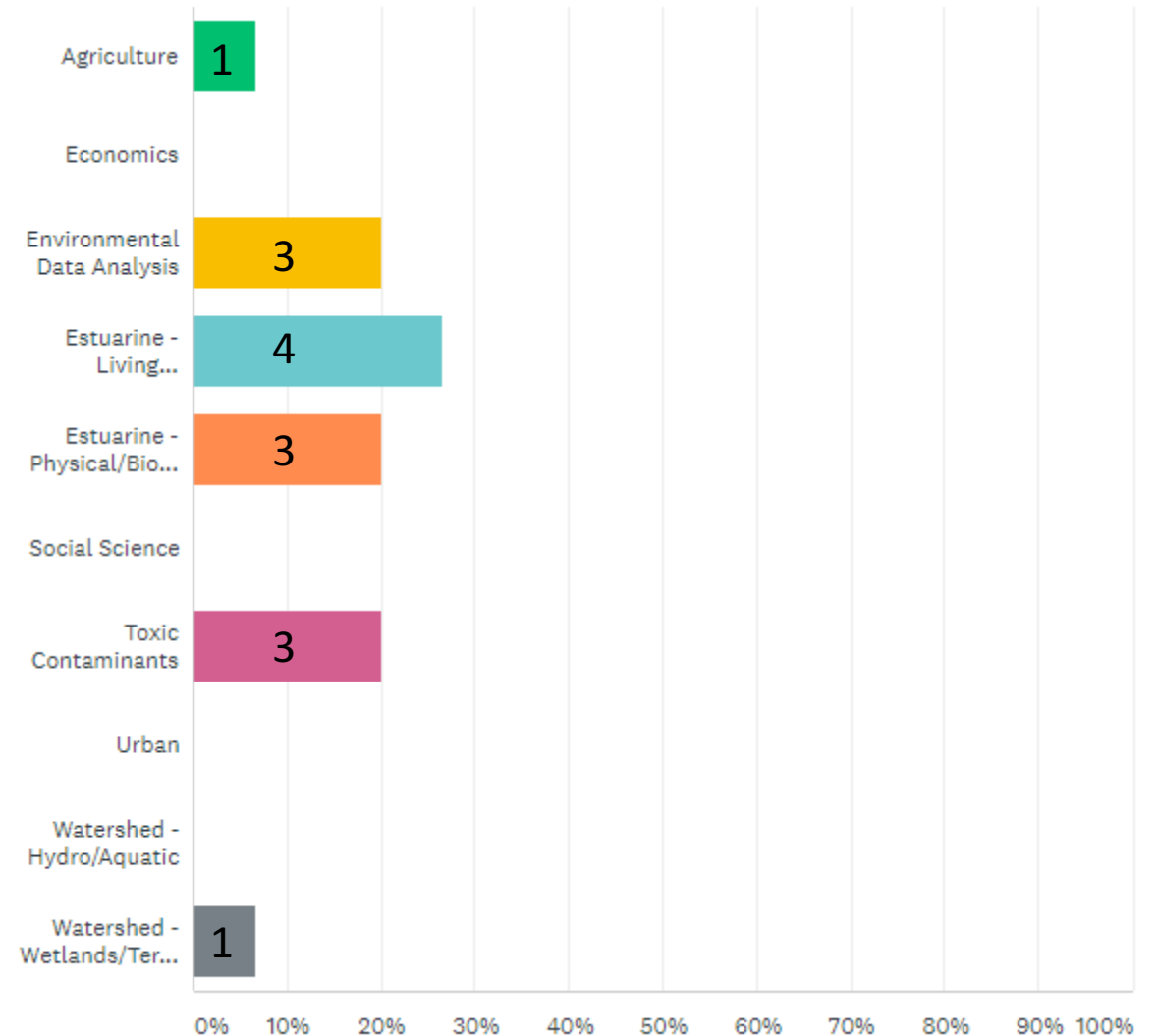
TOTAL = 1 Federal, 5 at-large appointments by EOY

Process for filling STAC vacancies

- Members appointed on the basis of relevant scientific knowledge, needed area(s) of expertise, and ability to participate actively in STAC, with due consideration given to geographic, gender, racial, and ethnic representation.
- STAC will identify and prioritize needed expertise.
- STAC members will generate nominations to fill prioritized needs.
- **STAC will review and discuss nominations at a quarterly meeting and approve a slate of nominees.**
- Executive Board will rank and recruit new members within each prioritized expertise need from among the approved nominations.
- Highest ranked nominee that confirms their readiness to serve will be appointed as a new member.

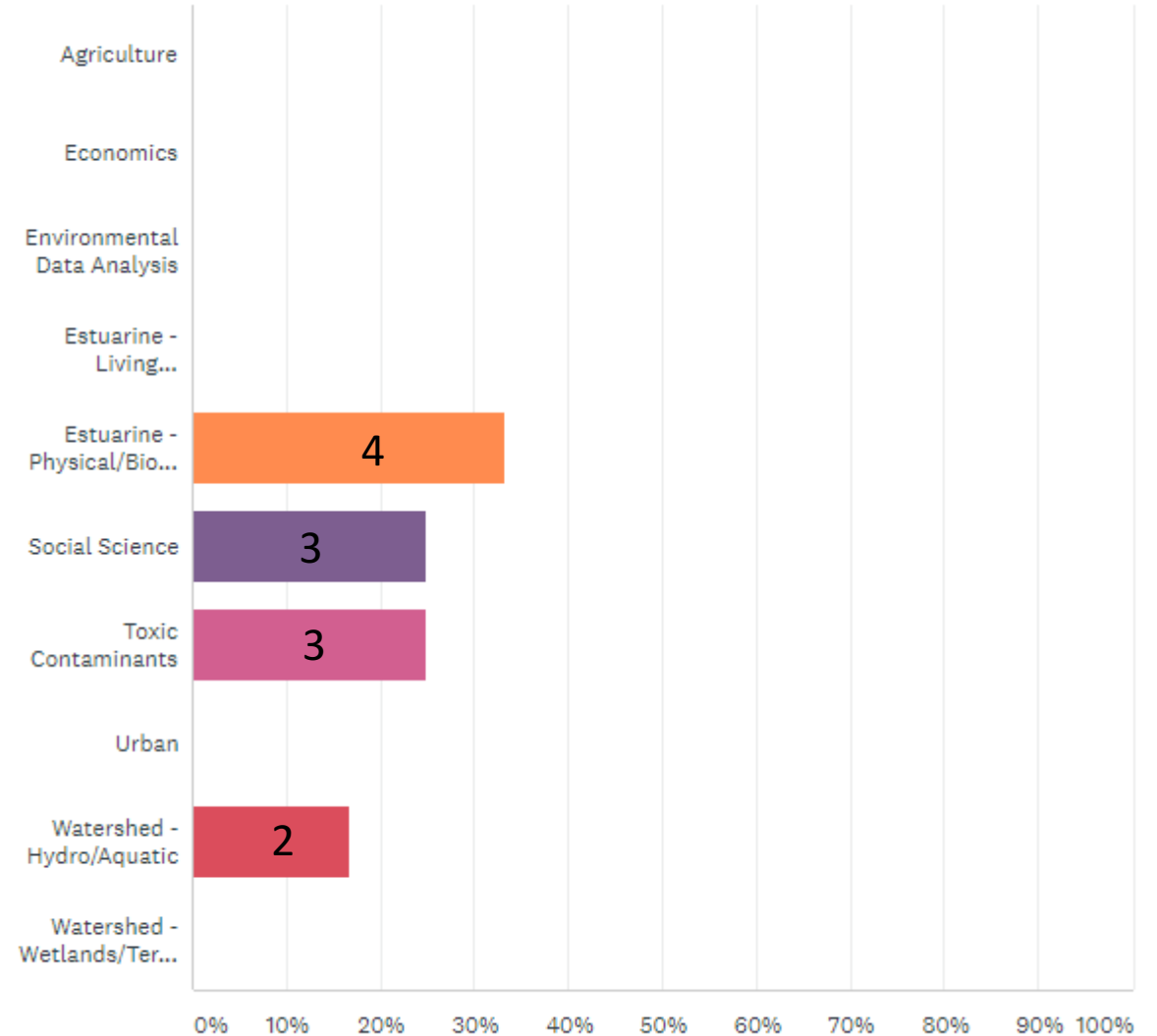
Priority Need #1

- Top needs:
 - Estuarine – Living Resources
 - Estuarine – Physical/Biogeochemical
 - Environmental data analysis
 - Toxic contaminants
- Additional needs identified:
 - BMP uncertainty
 - Environmental policy
 - Decision science



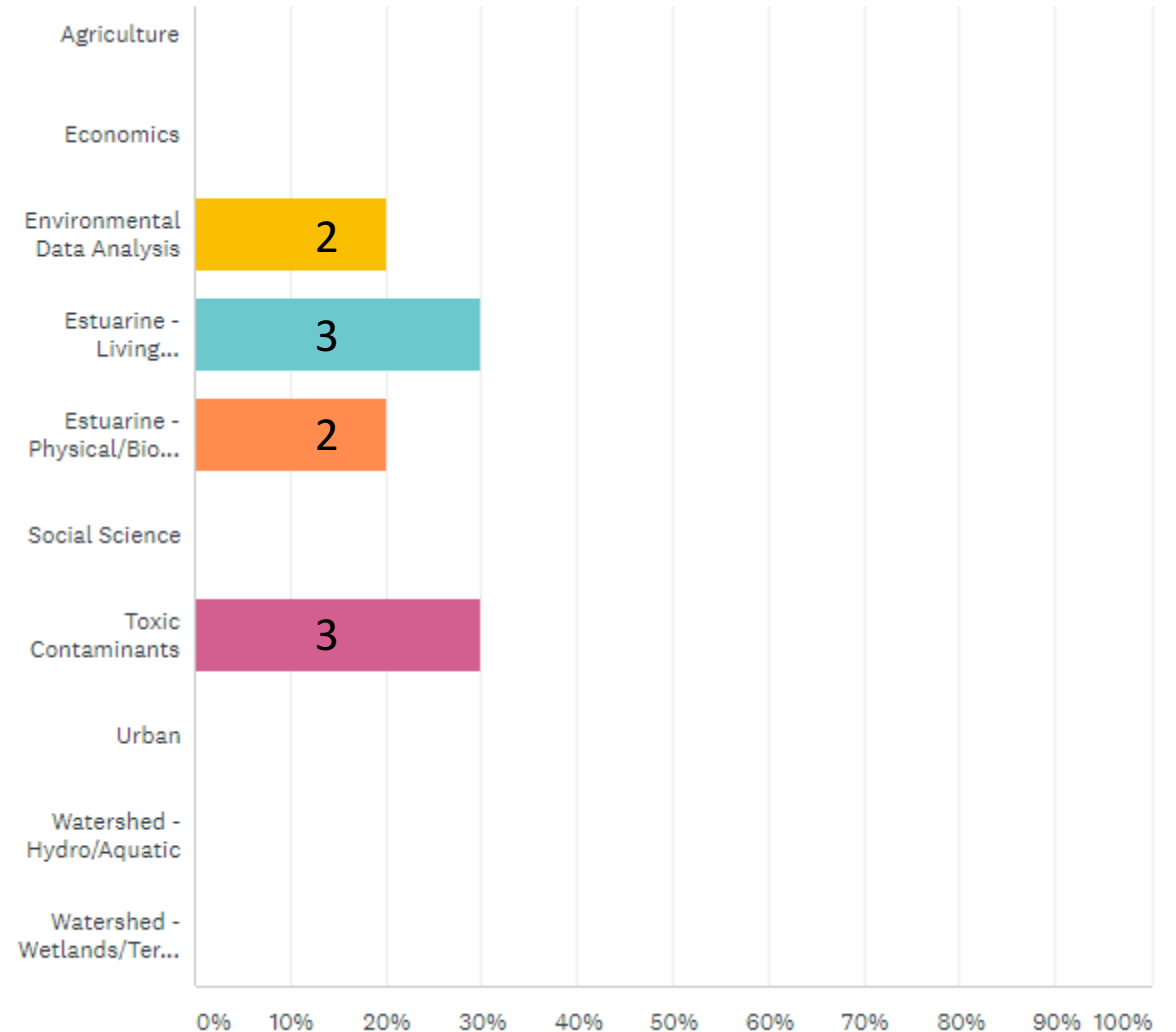
Priority Need #2

- Top needs:
 - Estuarine – Physical/Biogeochemical
 - Social science
 - Toxic contaminants



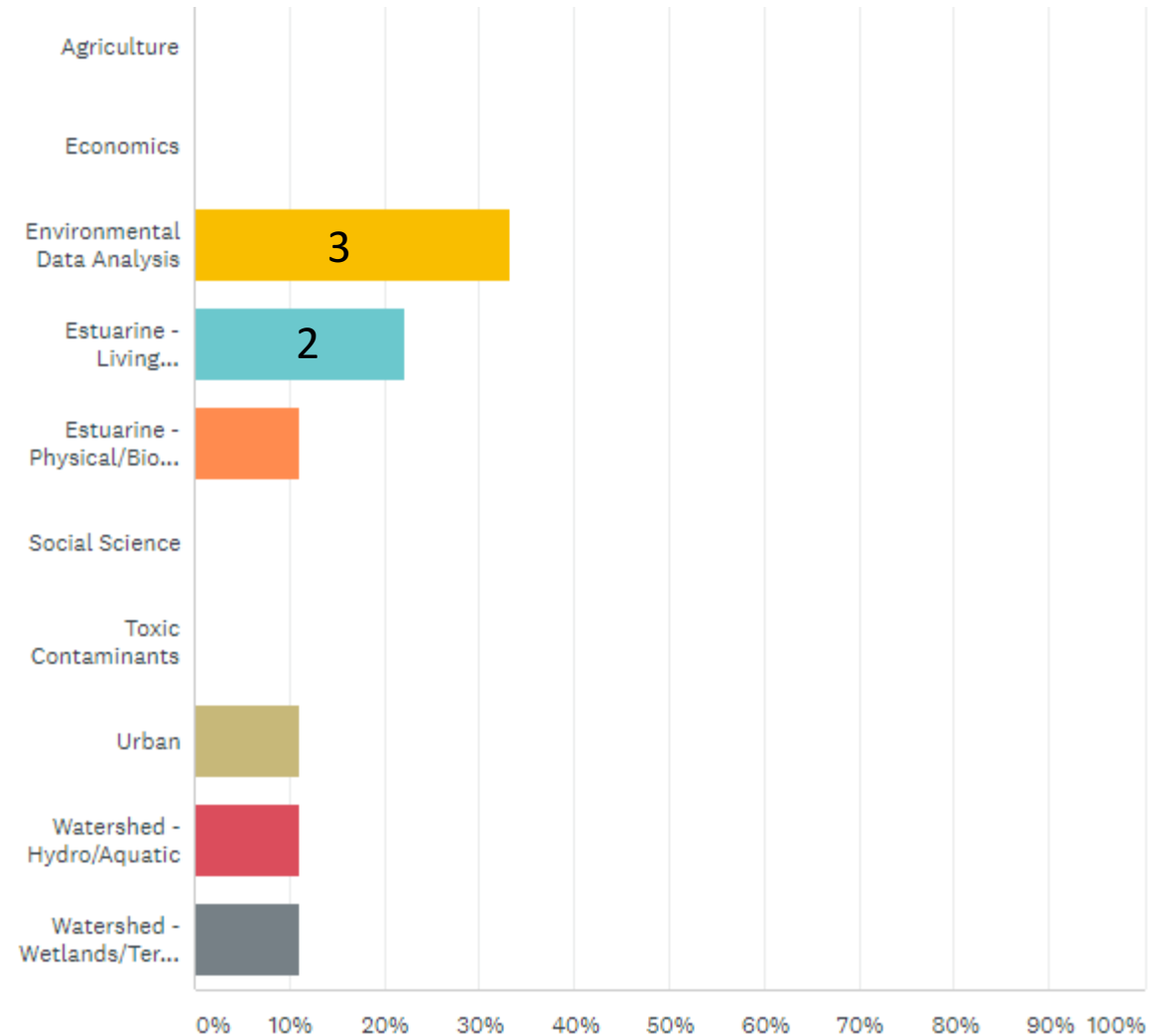
Priority Need #3

- Top needs:
 - Estuarine – Living Resources
 - Estuarine Physical/Biogeochemical
 - Environmental data analysis
 - Toxic contaminants
- Additional needs identified:
 - Hydrodynamic modeling



Priority Need #4

- Top needs:
 - Environmental data analysis
 - Estuarine – Living Resources



Proposal for filling six vacancies

Distribute the six current or pending vacancies across the four prioritized needs, devoting four of the six positions to the two estuarine areas, and nominate federal appointee to fill prioritized need.

- Estuarine
 - Living Resources: 2 new members
 - Physical/Biogeochemical: 2 new members
- Toxic contaminants: 1 new member
- Environmental data analysis: 1 new member

Proposal for filling vacancies- Updated

Distribute the 3 of 6 vacancies across the top 3 prioritized needs.

- Estuarine
 - Living Resources: 1 new member
 - Physical/Biogeochemical: 1 new member
- Toxic contaminants: 1 new member
- Executive Board solicit new members from list of nominees discussed this morning for these three areas.

Seek additional input to prioritize areas for 3 remaining vacancies. Survey will include a description of potential areas. STAC members will be asked to also submit nominations.

- Environmental data analytics/statistics
- Decision/behavioral science
- Living Resources
- Physical/Biogeochemical

Estuarine – Living Resources

Specific needed expertise

- Estuarine ecologists with broad interests
- Estuarine benthic and marine ecology
- Fish populations and food web interactions / dynamics
- Saltwater fisheries
- Impacts of pollutants on living marine resources
- Wetlands ecology & importance of structured habitat (including oyster reef) to associated living resources

Nominees

- **(3)** Jeff Shields (VIMS)
 - Crossover with toxics?
- Roger Mann (VIMS)
- Kenny Rose (UMCES-HPL)

Estuarine – Physical/Biogeochemical

Specific needed expertise

- Nutrient cycling
- Estuarine hydrodynamics, sediment transport and water quality
- Interactions between fluid flow and estuarine ecology
- River-estuarine linkages and processes
- Estuarine hydrodynamic /biogeochemical/ecosystem modeling
- Hydrodynamic modeling

Nominees

- **(3)** Larry Sanford (UMCES-HPL)
- **(2)** Greg Noe (USGS)
- Courtney Harris (VIMS)
- Cindy Palinkas (UMCES-HPL)
- Scott Ensign (Stroud Water Research Center)
- Claire Buchanan (ICPRB)

Toxic contaminants

Specific needed expertise

- Contaminants of emerging concern (CECs)
- Emerging contaminants
- Fate and transport
- Expertise in toxins of emerging concern with a background in human and/or environmental health
- Emerging contaminants, hormones, fish health

Nominees

- **(2)** Lee Blaney (UMBC)
- **(2)** Andrew Heyes (UMCES-CBL)
- Vicki Blazer (USGS)
- Upal Ghosh (UMBC)

Environmental data analysis

Specific needed expertise

- Environmental Statistician
- Data analytics/environmental statistics
- Environmental statistics and/or data mining
- Statistical analysis - including BOTH Bayesian and frequentist expertise
- Spatial statistics
- Analyzing current observed data sets. Identify gaps in data. Needed investments. Work with modeling group.

Nominees

- **(3)** Eric Smith (VT)
- **(2)** Dong Liang (UMCES-CBL)
- **(2)** Andy Royle (USGS)
- **(2)** Michael Runge (USGS)
- Rich Alexander (USGS)

Possible Federal Appointment Recommendations

**Federal appointments are selected by CBP Director, but STAC submits a nomination for consideration*

- **(2) Greg Noe (USGS)**
 - Estuarine – Physical/biogeochemical
- **(2) Andy Royle (USGS)**
 - Environmental data analysis
- **(2) Michael Runge (USGS)**
 - Environmental data analysis
- **Vicki Blazer (USGS)**
 - Toxics
- **Rich Alexander (USGS)**
- **Barry Frantz (USDA-NRCS)**
 - ag practices; traditional and alternative BMPs; animal and row crop agriculture, specialty cropping
- **Theresa Goedeke (NOAA NCCOS)**
 - social science; sociologist-human dimensions
- **Anne Timm (USDA Forest Service)**
 - freshwater fisheries scientist
- **G. Scott Boomer (USFWS)**
 - objective environmental data analyses specifically to inform resource management