**WAS Student Affairs Committee report to the Board**

Chair: Chris Green  
Member: Bill Daniels  
Member: Kevin Fitzsimmons  
Member: Michael Masser  
Member: Marcelo Shei  
Member: Curry Woods

**Strategy 2. Improve global representation within the society (membership and leadership), especially from underrepresented groups**

**Strategy 5. Recognize and reward excellence in aquaculture service, technology and innovation**

**Action Plan Update:**

Please update this table which is extracted from the Strategic Plan. The updated table will be pasted back into an updated version of the plan following the Board meeting. Complete the Performance Achievement and Status columns for each Output. Consider also any modifications to outputs and actions, or the addition of new outputs. Existing outputs should not be removed.

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Strategic outcome</th>
<th>Target output (including date)</th>
<th>Specific Action</th>
<th>Indicator</th>
<th>Performance – Achievements</th>
<th>Status</th>
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| 5        | Recognize student achievement | Awards presented for best abstract (3), 1st and 2nd place awards for best poster and oral presentations at WAS annual | • Review options for revamping student abstract/presentation awards  
• Organize and implement judging for all WAS awards. | WAS-SAC mid-year and annual reports  
Home Office | • At the Prague meeting SAC coordinated a spotlight competition at  
ongoing conference centered operations | Ongoing  
Student Affairs Committee (with Honors and Awards) |
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<td>Greater global student membership &amp; participation in WAS Committees &amp; Board</td>
<td>Annually increase by 10% the number of student members (World Aquaculture 2012) Increase by 3 countries annually the number of countries with student members (by WA 2012) A student liaison (representative) to</td>
<td>• Work with educational institutions to promote WAS and WAS-Chapter membership among students. • Work with Promotion and Membership committee to put a WAS poster in every significant aquaculture school • Work with Board for development of student liaison position on the Board using USAS as potential model.</td>
<td>Annual Home office reports to Board (monitor student member trends) Mid-year &amp; Annual WAS-SAC reports to Board</td>
<td>• Between 2011 and 2012 there was a 12% increase in student members from 255 to 286. • The number of countries with student members has increased from 78 to 80 between 2011 and 2012 • At the time of this opening Plenary.</td>
<td>Ongoing</td>
<td>Student Affairs Committee (with Promotions and membership committee)</td>
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<td>promote student activities in each chapter.</td>
<td>Mid-year &amp; annual chapter reports</td>
<td>Triennial meeting in Nashville WAS student membership is 339 (15% increase)</td>
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<td>Each chapter with one student representative on the WAS-SAC (by WAS NATAL)</td>
<td>Assist each chapter in evaluating the development of a SAC.</td>
<td>WAS SAC has coordinated with USAS and other chapters on conference centered operations but not successfully outside of host chapter participation</td>
<td>Student participation with non conference activities needs to occur</td>
<td>Student Affairs Committee (with P&amp;M Committee)</td>
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<td>Student reception held at each WAS &amp; Chapter conference.</td>
<td>Organize student receptions at Annual WAS Conference (Natal, 2011) and WAS chapter conferences to increase interaction with WAS and Chapter Boards and to recruit students for WAS &amp; Chapter committees. Employ survey tools with students attending the WAS</td>
<td>The 2012 meeting in Prague represented a joint effort by both WAS and EAS, EAS/WAS students coordinated the student reception</td>
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| 2        | Student professional development | Seminar and workshop centered on international student professional development at WAS annual conference (2011). At least one other opportunity in or around conferences developed | • Identify student organizers to organize seminar and workshops.  
• Workshop topics could include: resume building, interview process, publication preparation, etc.  
• Seminar topics could include: career seminars, women in aquaculture, and other student centered issues within aquaculture.  
• Look at USAS chapter model  
• Link to visit to in-country institute  
• Opportunity to co-moderate  
• Mentor group  

Students attending successful seminar and workshops at WAS annual conference. | • For the meeting in Prague the WAS/ESA students were organized by student Benedick Frenzl whose team helped coordinate the social and student seminar  
• The Student seminar for AQUA2012 was moderated by a WAS/EAS student and was centered on Professional development | Ongoing conference centered operations | Student Affairs Committee (with Promotions and membership committee) |
The chair of parent committee should complete that above table together with the chairs of the sub-committees. The chair should also complete the table below either for the whole strategy or submit a series of reports, in the same format, from the parent committee and the sub-committees.

Narrative Report:

WAS student award winners for AQUA 2012 (post conference awards)
A total of 42 WAS student’s works were evaluated at AQUA 2012 for Presentation and Poster awards:
1st place Poster Presentation – Zoe Featherstone, University of Stirling, Scotland: “Virulence factors associated with aquatic Streptococcus”
2nd place Poster Presentation – Fabiola Lafarga, Universidad de Chile, Chile: “Development of EST-SSR molecular markers for red abalone Haliotis rufescens”
1st place Oral Presentation – Patrik Henriksson, Leiden University, The Netherlands: “Towards a practical application of life cycle sustainability analysis (LCSA)”
2nd place Oral Presentation – Hyungtaek Jung, Queensland University, Australia: “Identification of candidate genes and SNPS from 454 GS-FLX transcriptome data and their correlation with individual growth performance in giant freshwater prawn Macrobrachium rosenbergii”

Student Seminar at AQUA 2012
Student seminar moderated by WAS/ESA student Benedikt Frenzl and was centered on Student Professionalism and Development. Two of the presenters were WAS students and the room was packed to capacity with standing room only. Topics and presenters included:
Bill Daniels
- Graduate School: Where to go and how to get there
Charlie Shultz
- Taking advantage of your student status
Rebecca Lochmann
- How to publish your work and why it’s important
Jimmy Avery
- What it takes to be viewed as a professional
Christopher Green
- Preparing and interviewing for your dream job in aquaculture
Benedikt Frenzl
- The basics of writing and receiving grants
Angela Caporelli
- Take the opportunities, build your network and use it for the good!
December issue of World Aquaculture’s student article

World Aquaculture continues to have a strong presence from our student WAS members. In addition to a two page article on student awards and events from the AQUA 2012 meeting in Prague, the December issue contained an article co-authored by student member Noel Novelo on “Ultrasound Imaging of Channel Catfish Reproduction”

Aquaculture 2013 Pre-conference awards for WAS students

Mike Denson from the USAS has taken the lead in abstract and oral/poster presentations at the 2013 Triennial meeting. Pre-Conference Travel awards have been identified and will receive recognition and award checks at the Student Social the first night of the conference. These students include:

James Hill – “EFFECTS OF POULTRY BY-PRODUCT MEAL PROTEIN SUBSTITUTION FOR MENHADEN FISH MEAL PROTEIN ON GROWTH PERFORMANCE, BODY COMPOSITION, AND DIGESTIBILITY OF JUVENILE RED PORGY Pagrus pagrus”

Vaun Cummins – “REPLACEMENT OF FISH MEAL WITH BLACK SOLDIER FLY MEAL IN PRACTICAL DIETS FOR PACIFIC WHITELEG SHRIMP Litopenaeus vannamei”

Tyler Frankel – “THE EFFECT OF FREEZING RATE ON THE QUALITY OF STRIPED BASS Morone saxatilis SPERMATOZOA

Student Spotlight session for Aquaculture 2013

The Student Spotlight session will be conducted on the first day of the conference. This event will highlight student scholars who are presenting at the conference and will include student presentations from 8 students representing the three societies present at this meeting (World/ US Aquaculture Society, National Shellfisheries Association, and the American Fisheries Society’s Fish Culture Section). These students have been selected based on evaluations and merits of their previously submitted abstracts. Each student will present an abbreviated version of their abstract within a limited amount of slides and time.

Points for Board Discussion:

Student involvement and participation in Conference and non-conference activities

Currently students organize the student social, student seminar, and field trips at WAS meetings as done at meetings in Natal and Prague. Usually the SAC works with the host country or similar WAS Chapter to coordinate with students in that area or continent. For example, USAS and WAS, AFS FCS, and NSA students from the US have worked on several student centered activities for the Nashville Triennial meeting. Similarly, we have begun to identify students from Flinders University in Adelaide, Australia and the larger APC to help coordinate activities and
Student opportunities for the 2014 WAS meeting.

Student involvement in non-conference centered activities has languished as the WAS SAC has centered on regular ongoing student activities at WAS meetings and Chris Green (SAC Chair) has coordinated the organization of judging and evaluation of pre conference and conference student awards.

There is a large number of non-conference activities that could be taken on by well-motivated WAS students right now. Specifically, if there is a WAS student leader that could coordinate communications with WAS students through facebook and other social media groups that would be excellent. There are certainly lots of other activities that students could do right now, like a newsletter editor, website person, etc.

Recommendations: (List here specific recommendations from the committee to the Board. Please include specific wording of any proposed motions)