

ESCOP Science & Technology Committee Report

Harald Scherm & Nathan McKinney

<p>Chair: Marikis Alvarez (ARD)</p> <p>Delegates: Larry Curtis (WAAESD) David Thompson (WAAESD) Joe Colletti (NCRA) Deb Hamernik (NCRA) Cameron Faustman (NERA) Adel Shirmohammadi (NERA) Nathan McKinney (SAAESD) Harald Scherm (SAAESD) John Yang (ARD) Ed Buckner (ARD) Chair Elect ? (tbd WAAESD)</p> <p>Executive Vice-Chair Jeff Jacobsen (NCRA ED) Chris Hamilton (NCRA AD; Recorder)</p>	<p>Liaisons: Terry Nelsen (ERS) TBD (OSTP) Robert Matteri (ARS) Charles Allen (Pest Mgmt Subcom) Edwin Price (ICOP) Dwayne Cartmell (Social Sci Subcom) Parag Chitnis (NIFA) Denise Eblen (NIFA)</p>
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From Science & Technology Operating Guidelines (approved 10/1/2015)

The ESCOP Science and Technology (S&T) Committee is charged with promoting and enhancing science and technology in the Land-Grant University system. The committee will assist ESCOP to identify future directions and anticipate and respond to research needs and opportunities for funding. The committee will assist in linking science and technology programs to multistate and national research initiatives. The committee will recommend how ESCOP will respond to reports, recommendations, and planning documents from the national science community. This committee will provide guidance to ESCOP strategic planning and priority setting.

Monthly Conference Calls and meet annually at ECOP/ESCOP . All meeting agendas and minutes are posted at: <http://escop.ncsu.edu/ViewCommittees.cfm?comid=5> Membership to S&T is being updated, particularly with the Liaisons to the Committee (e.g. Bob Matteri, Charles Allen, Dwayne Cartmell). In addition, membership to its two subcommittees -- National Integrated Pest Management Coordinating Committee (NIPMCC) and Social Sciences Committee (SSSc) is being identified and will enable fully constituted groups to move forward and develop their agendas and S&T linkages.

Selected discussion items since fall 2015

NIFA-related items:

- Centers of Excellence provision in NIFA RFAs
 - In FY15, only 8% (156 of 1860) of applicants requested that their application be considered for CoE designation. NIFA has awarded more than \$41.8 million to 33 projects that were determined to meet the criteria of CoE.
 - Waiting for formal NIFA feedback from FY15 proposal review panels.
- Open access to data and scholarly publications resulting from NIFA-funded research
 - NIFA data management plan guidelines published
 - Data management/ open access publication costs can be included as a direct cost in the budget, but award ceilings are not increased concomitantly. Who will cover the cost of long-term data curation beyond the life of the grant?

- Moving target, with university libraries, university research offices, scientific publishers, scientific societies, various consortia, and NIFA all developing their own processes and procedures.
- There is a new, emerging NRSP pre-proposal on its way to the ESCOP NRSP-RC focusing on data management for the large crop and livestock CAPs and certain large, traditional NIFA grants.

Report discussions:

- S&T endorsement of Riley Foundation report “Pursuing a Unifying Message” and AGree report “Research and Innovation: Strengthening Agricultural Research”, recommendations passed on to ESCOP leadership.

Joint APLU/AACVM task force on antibiotic/antimicrobial resistance (AMR)

A Task Force with APLU and AAVMC members published a report “Addressing Antibiotic Resistance in Production Agriculture” that synthesized the issue and provides an active template for additional thought and action. Opportunities for ESCOP: Identifying source or process for funding. Encourage participation in NCDC230: Antimicrobial Resistance as they develop their full, 5-year project.

Chase Crawford (Program Manager), DVM working in AMR: Task Force seeks to bring agriculture and other stakeholders together.

- Extension will be developing AMR curricula for veterinarians/vet schools, and special messaging for youth and the public.
- All groups supportive of USDA’s line item request for AMR research/education.
- Potential establishment of pilot non-profit University Research Organizations (URO) and pilot projects. Models are being explored such as the recently formed Soil Health Institute (supported by the Noble Fdn and Farm Fdn).
- APLU is planning congressional AMR briefing.
- NCDC230: development committee to include AES and Vet Med faculties, perhaps Human Medicine faculty.
- Suggestions to include industry, international trade partners, pollinators, commodity groups, plant AMR.

NIPMCC

Created as a formalized path for ESS and CES to discuss IPM issues at the national level. NIPMCC to be connected to S&T via Charles Allen, NIPMCC Chair.

Social Science Subcommittee

SSSc is interested in creating an active Executive Committee and to connect in meaningful conversations throughout the year to engage and lead efforts based upon their social sciences expertise and interest.

Has reviewed NIFA RFPs and the Science Roadmap for social science language/topics. Recent meeting focus was on communicating impacts, messaging, etc. way to engage as a group to help improve social science dialogue.

Multistate Awards

Nominations in general long on outputs such as publications, meetings, grant \$, but short on impacts. Strongly encourage SERAs to measure and report impacts to stakeholders.