

Agenda 9 ESCOP Science and Technology Committee

Presentors: Marikis Alvarez and Jeff Jacobsen

Acton Requested: For Information Only

Committee Members

Marikis Alvarez (Chair, ARD)

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 (WAAESD)

Liaisons:

Terry Nelsen (ERS)

tbd (OSTP)

Bob Matteri (ARS)

Charles Allen (Pest Mgmt Subc)

Edwin Price (ICOP)

Dwayne Cartmell (Social Sci Subc)

Parag Chitnis (NIFA)

Denise Eblen (NIFA)

Jeff Jacobsen (Exec Vice-Chair, NCRA ED)

Chris Hamilton (Recorder, NCRA AD)

General – The Science and Technology Committee (S&T) has regular monthly calls on the third Monday of each month. 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.

SSSc Update – The Social Sciences Subcommittee of ESCOP S&T met on February 3-4, 2016 in Washington, DC. The core of the meeting and the primary discussion areas centered on Environmental Sustainability and Impact Measurements with invited presentations from NIFA, The Council on Food, Agricultural and Resource Economics, Rural Policy Research Institute and the Consortium of Social Science Associations. In an effort to set the stage to better connect and integrate with ESCOP, presentations and discussions were focused on the National Impact Database (Jack Elliot & Scott Cummings), Oregon State's Impact State Reporting training (Johanna Mitchell) and Creating Impact Stories (Faith Peppers). Topical updates were also provided by Dan Rossi on the Water Security white paper and Diversity Task Force. 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.

Report Discussions – Antibiotics are frequently labelled 'wonder' drugs for their profound impact on human and animal health. Over the past several decades, bacterial resistance to antimicrobial drugs has increased. A significant number of discussions, actions and reports have and are being developed such as: The Centers for Disease Control and Prevention (CDC), World Health Organization and Presidential Executive Order "Combatting Antibiotic-Resistant Bacteria" followed by the "National Strategy for Combating Antibiotic-Resistant Bacteria. Many have elements that

directly pertain to research and education activities. Most recently, a Task Force with APLU and the 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. S&T is actively digesting and will respond to this opportunity that spans teaching, training, Extension and research recommendations. The holistic concept of ‘One Health’ provides a framework for work across human, animal and environmental health and antibiotic resistance.

A National Summit Antimicrobial Stewardship: Policy, Education and Economics was held in Washington, DC January 20-21, 2016. In addition, a multistate research committee NCDC230 Antimicrobial Resistance has been recently been formed. All are indicative of the need and the substantial and complex challenge that this initiative reflects.

Award Recognitions – The call for the ESS Excellence in Leadership Awardees has been sent from all regional associations. Each regional association at their spring meeting will select their winner and compile summary materials to be submitted to the S&T Executive Vice-Chair. This information and pictures will be refined and submitted to APLU for inclusion in the official booklet ***A Community of Scholars Honoring Excellence*** and the National Awards Program. In addition, the S&T Committee will receive and evaluate the Excellence in Multistate Research Award regional nominees, individually rank and transmit its overall findings to ESCOP for concurrence. These Multistate Awardees will also be included in the official booklet and program. S&T will be responsible for working with APLU to ensure a high quality program for all of these outstanding contributions.