

AIAEE 2022 Professional Development Sessions

Professional Development Session 1, Tuesday 4:15-5:00pm

45 Minute Session: Epidaurus Room

School-Based Agricultural Education (SBAE): A Comprehensive Transformative Food Security Solution for Africa

Jack Elliot, Jessica R. Spence, and Meikah Dado, Department of Agricultural Leadership, Education, and Communications Borlaug Institute for International Agriculture and Development Texas A&M University; Haley Traini, Oregon State University; Trent McKnight, AgriCorps

School-based agricultural education (SBAE) is much more than “school gardens.” This session illustrates the comprehensive and transformative SBAE System. Specifically, the document, “Empower Youth, Transform Agriculture: An Introductory Guide to SBAE in Sub-Saharan Africa” will be shared through an interactive and engaging workshop. The SBAE system is guided by adopting the diffusion of innovation model and adapting it within a logic model framework with Kolb’s experiential learning model as its central focus. This time-tested system guides our work and provides evidence-based results. This step is crucial as amplification occurs within the developing world.

45 Minute Session: Ephesus 2&3 Room

Utilizing Improv to Prepare Extension Educators of Tomorrow

Dr. Bryan Hains & Dr. Kristina Hains, University of Kentucky

Research tells us community leaders and educators need to rehearse their craft using authentic scenarios to be effective in the culturally diverse environments often reflected in today’s society. Within this session, participants will explore improv as a methodology to develop community engagement and leadership skills for diverse audiences. Founded on Coleridge’s Suspension of Disbelief theory, participants will have the opportunity for hands-on application through the facilitated stages of prelection, with-it-ness, reflection. After engaging in and applying through the hands-on case study, there will be a debrief on how to apply this model most effectively in individual professional situations.

45 Minute Session: Ballroom 1

Breaking the Barriers of Gender & Sexual Orientation in Agricultural & Extension Education

Kameron Rinehart, Dr. Jera Niewoehner-Green, Dr. Mary Rodriguez, and Jaelene Loor Suche, The Ohio State University

As professionals in agricultural and extension education, we must continually increase our competence in sensitive topic areas. Engaging with youth, professionals, and stakeholders across gender identity and sexual orientation will further develop one’s competence and understanding of these critical issues. Through the dialogue in this session, we strive to help professionals develop the tools necessary to navigate conversations on gender identity and sexual orientation. Professionals can take what they learn through this session and apply it in their educational

programs to better engage LGBTQ+ youth and encourage them to continue their involvement in the ever-changing agricultural industry.

45 Minute Session: Ballroom 3

Solving Modern Problems with Ancient Greek Philosophy

Amy Brown, University of Florida

Originating in Athens, Greece in 300 BCE, Stoicism is a practical philosophy intended to guide the common man toward a good life, or eudaimonia, meaning human flourishing, virtue, and happiness. This workshop will familiarize participants with a methodological approach formed from Stoicism to overcome every day challenges. Designed to mirror the practicality of Stoicism, misconceptions about what it means to be Stoic will be addressed, and participants will embark on embodying a Stoic like perspective applying new mindsets to familiar challenges. The workshop can serve participants in their own lives, as well as offer fresh content in guiding others in resilience, change management, and leadership.

Professional Development Session 2, Wednesday 2:15-3:15pm

60 Minute Session: Ballroom 3

Understanding the Meaning and Impact of Microaggressions

Patreese Ingram, Pennsylvania State University

Microaggressions are the constant and continuing everyday reality of slights, insults, invalidations, and indignities visited upon marginalized groups by well-intentioned, moral and decent family members, friends, employees and educators. While few of us intentionally mean to harm others, the fact is we are all naturally biased. Often, we are unaware of the demeaning impact of our behavior and may continue it without knowing the harm it has caused. This session will provide examples of microaggressions in classrooms and other settings. Participants will gain increased understanding of microaggression, its impact on others, and their role in helping to reduce negative impact.

60 Minute Session: Ephesus 2&3 Room

Coupling Intercultural Praxis and Agroecology: Attending to the Complexity of Food Security Development in International Agricultural and Extension Education

Dr. Kim Niewolny, Virginia Tech and Dr. Lia Kelinsky-Jones, John Hopkins University

This workshop explores how international agricultural and extension education practitioners and researchers can place more emphasis on critically-framed and culturally-appropriate approaches to food security development through the combined framework of intercultural praxis and agroecology where the values and practices of equity, resiliency, and sustainability are centered. In this interactive workshop, we will briefly present Sorrell's (2014) intercultural praxis model and Anderson et al.'s (2021) framing of agroecological principles and their application in field-based and classroom contexts. Attendees will then engage in group dialogue to incorporate the coupling of intercultural praxis and agroecology in their own research and outreach programming.

Roundtable Session: Ballroom 1

Building Interest in International Development and Global Mindedness using the Peace Corps Prep Program

Ariel Kent & Shannon Norris, New Mexico State University

Peace Corps Volunteers embrace intercultural experiences to transform instructional practices in formal agricultural education classrooms and in local communities through Extension. Exposure to service-learning experiences can provide valuable examples for secondary and higher education students who are interested in working in international settings. The goal of this discussion is to provide strategies to engage the Peace Corps Prep program in secondary and higher education classrooms to teach global mindedness and international development. The discussion will introduce the four main competencies of the Peace Corps Prep program—sector-specific skills, foreign language proficiency, intercultural competence, and professional savvy and leadership.

Introducing the Globalizing Extension Innovation Network (GEIN)

Taryn Devereux, University of Maryland, Amanda Dickson, Purdue University, and Ben Grove, Virginia Tech

The Globalizing Extension Innovation Network (GEIN) connects professionals interested in Extension engagement in a global context and shares and develops best practices for augmenting extension programs through cross cultural and international experiences, emphasizing global dynamics and cultural knowledge. Participants will consider how U.S. universities, particularly land-grant institutions, can better integrate global extension with academic research and teaching, particularly in a post COVID-19 world. We will also invite participants from non-U.S. institutions to reflect on experiences working with global partners to consider global engagement from non-Western perspectives and facilitate discussion on best practices for sustainable and ethical global partnerships.

International Virtual Exchange Programs and Intercultural Competence

Ana Casas, Megan Gould, Olawunmi T. Ilesanmi, Mathilde Le Bon, Jack Elliot: Norman Borlaug Institute for International Agriculture and Development, Department of Agriculture, Education and Communications Texas A&M University

This professional development session explains the importance of international virtual exchange programs (IVEP) and how they can be successfully utilized to educate undergraduate students on international agricultural topics. Identifying how IVEPs can provide students with unique opportunities to gain intercultural competence will come to life as IVEP topics, modules, and modes of delivery between a university in Morocco and a university in the U.S.A. are shared. The IVEP focus was centered around sustainability and agricultural extension programs in both Africa and the United States. We will address the IVEP's origin, implementation, evaluation, and recommendations.

Encouraging Collaboration Between Research Scientists and Agricultural Educators

Dr. Gaea Hock, Kansas State University & Dr. Jeremy Falk, University of Idaho

Increased coordination between key stakeholder groups is needed to address challenges in the agriculture industry. This session will highlight a training program aimed at connecting research station scientists with secondary agriculture teachers and students. Participants will learn about the training program including an introduction to the important role of regional research centers,

descriptions of the participants, examples of research conducted through the collaborations, and an overview of a youth agriscience fair competitive event. Time will be budgeted during the session for discussion, idea generation, and questions. Copies of the agriscience research student workbook will be shared with attendees.

Professional Development Session 3, Wednesday 3:15-4:15pm

60 Minute Session: Epidaurus Room

Simplifying Complexity: Using Sketch Videos to Break Down Complex Topics in Agricultural and Extension Education

Rebekah McCarty & Dr. Shannon Norris, New Mexico State University

Advancements in technology and the recent increase in online or hybrid education have increased the need and relevancy of instructional videos. Explainer videos provide value to agricultural and Extension education by breaking down complex scientific concepts into short, comprehensible segments. This session will investigate the value of sketch video integration into various aspects of agricultural and Extension education. We will explore the creation of impactful educational sketch videos, discuss strategies to incorporate sketch videos in international education settings, cover a basic overview of the VideoScribe software, and provide tools to help educators become proficient in designing sketch videos.

60 Minute Session: Ephesus 2&3 Room

Let Me Think About It: Enhancing Reflection in High Impact Learning Opportunities

Dr. Gaea Hock, Kansas State University and Dr. Courtney Meyers, Texas Tech University

In this session, two faculty members will share their advice and perspectives on how to lead meaningful service learning, study away, and study abroad experiences. We will provide examples and strategies to make these experiences the highest impact learning opportunities possible. With an emphasis on how to best facilitate learning before, during, and after the experiences, we will share specific recommendations for effective reflection strategies that demonstrate successful reflection characteristics (continuous, challenging, connected, and contextualized). We will also introduce the DEAL Model of Critical Reflection, which helps students through an experience by Describing, Examining, and Articulating Learning.

Ignite Session: Ballroom 1

Microadaptive Learning Innovations for Global Place-bound Secondary and Post-Secondary Agriculture Students: A USDA NIFA AFRI Rapid Response to Novel Coronavirus Project

John C. Ricketts and Janiece Pigg, Tennessee State University

Eight online, dual enrollment capable courses that utilize microadaptive learning theory will be introduced. The innovative courses that were developed by secondary and post-secondary teachers can be explored by conference participants in detail following the presentation. Specific courses include introductory Animal Science, Plant Science, Environmental Service, Food Products and Processing, Agricultural Mechanics, Biotechnology, Agribusiness, and Natural

Resources. The goals and outcomes of the special project to develop rigorous agricultural education opportunities for learners impacted by pandemic will also be presented.

Taking Control of Your Time During a Global Pandemic

Scott D. Scheer and Kellie Claflin, The Ohio State University

Time management is hard to do during normal circumstances. Trying to take control of one's time during a global pandemic makes it especially difficult. Plus, it can be challenging while working in various settings: virtual, office, hybrid, and in the field. To continue the important work of international agricultural and extension education we must know how to best use the 24 hours in any given day. Participants in this ignite session will learn strategies to better manage your time, eliminate behaviors that are time wasters, and provide space to take care of oneself.

Utilizing 360 Degree Video to Elevate Agricultural Extension Programs

John Ricketts, Janiece M. Pigg, Jeiel Ballard, Ahmad Aziz, Tennessee State University

360-degree video technology is becoming increasingly common in production agriculture and agricultural education. This professional development program aims to introduce agricultural educators to the possibilities of utilizing 360-degree video technology in a global agricultural education context. A short demonstration video will be shown of international faculty members at Tennessee State University utilizing 360 video to teach DNA extraction. We will also introduce 360-degree video technologies that are available and most applicable in an international agriculture setting where resources and internet broadband are often limited.

Sustainable Development Goals (SDGs): Opportunities for Collaboration Among Professionals in AIAEE, AAEA, and NACTA

Rama Radhakrishna, Penn State University and Nathan Connor, University of Nebraska, Lincoln

Sustainability Development Goals (SDG) has seen renewed interest within higher education institutions. The goal of SDGs is to achieve a sustainable future for all through the 17 goals (United Nations). Faculty are being tasked to address the 17 SDGs through a variety of ways, including teaching, research, and Extension. The 17th goal, "partnerships for the goals" is a critical component for any successful collaborative effort. In this professional development session, we will explore the possibilities for collaborative efforts via disciplines, organizations, and interests for pursuing SDGs. Participants will have an opportunity to engage in discussions on the 17 SDG goals through a PowerPoint Presentation, review of documents, and small group discussions.

Transdisciplinary Strategies to Assess Food and Agriculture's Impact on Public Health

Chin-Ling Lee, Taoyuan District Agricultural Research and Extension Station, Martin Mulkerins, Galway-Mayo Institute of Technology, and Robert Strong, Texas A&M University

This interactive session will actively engage participants to understand food and agricultural sciences impact on public health, approaches to measure program impact, and strategies to develop transdisciplinary collaborations respective to the multi-dimensionality of food and agriculture and public health. The role of extension educators in diffusing public health curricula and focusing research on rural/minority intersectionality provides a means to address health issues that are timely, relevant, and important to stakeholders. This project builds relationships with agricultural organizations, health care organizations, community groups, and production

operations to increase collaboration and improve synergy for solutions to a common denominator global societal issue.

International Extension during the COVID-19 Pandemic

Amanda Dickson, Purdue University

Life as we know it- how we engage with people, how we learn, how we educate - is changing. The COVID-19 pandemic forced the U.S. cooperative extension community to explore new ways to deliver training and education programs both locally and globally. Learning how extension staff uses information and communication technologies (ICT) for international engagement will give our community confidence to make changes to their own programs, provide new ideas, and offer alternative international extension opportunities. In this session, participants will learn how a team uses a combination of ICT's to address food and nutrition security in Trinidad and Tobago.