

ANNUAL COMMITTEE REPORT

Committee Name: Education & Training
Submitted by: Paul Eggers / Lee Mauney
Report Date: 4/1/2022

Committee Mission/Purpose

The mission of USSD's Committee on Education and Training (Committee) is to create impactful educational opportunities, identify relevant and timely training topics, and oversee the organization of workshops, seminars, and webinars outside of the annual conference. More broadly, the Committee seeks to advance the dam and levee state of practice by promoting, communicating, and advocating for lifelong learning and sound engineering practices.

The Committee's vision is to provide state-of-the-art training opportunities for every member of the dams and levees community through a structured learning platform and to establish USSD as a leader in dam and levee engineering and construction education.

2021 Goals/Accomplishments

The Committee was established by the USSD Board of Directors in 2020 under the leadership of Paul Eggers (Chair) and Lee Mauney (Vice Chair). Committee activities to date have focused on establishing committee goals and leadership teams, creating a charter, developing strategic relationships with target professional/academic organizations and other USSD technical committees, and prioritizing industry training needs.

The Committee developed 6 subcommittees, with the following 2021 Goals/Accomplishments:

Workshops Planning Subcommittee

Sub-Committee Overall Goals:

- Oversee the organization of workshops, seminars, and webinars outside of the national conference
- Collaborate with USSD staff on training logistics.
- Identify and oversee the development of at least 10 online webinars.

Sub-Committee Year Specific 1 Goals (2021):

- Establish sub-committee (membership, goals, vision, etc.)
- Organize the fall workshop

Accomplishments (2021):

- Established subcommittee leadership and membership
- Successful Fall workshop, included 5 workshops ranging from 0.5 – 5 days (Oct-Nov. 2021)
- Pivoted from in-person to virtual
- Overall great ratings from attendees

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Risk Training Subcommittee

Sub-Committee Overall Goals:

- Develop RIDM training that meet combined goals of USSD, USACE, Reclamation, FERC and others related to risk.
- Establish database to document completed training requirements for members who will serve as facilitators and SMEs on FERC and USACE Non-Federal Levee Risk Analyses

Sub-Committee Year Specific 1 Goals (2021):

- Establish sub-committee (membership, goals, vision, etc.)
- Finalize the list of experience and training requirements for members who will serve as facilitators and SMEs on FERC and USACE Non-Federal Levee Risk Analyses
- Identify one new training offering for 2022 rollout

Accomplishments (2021)

- Established subcommittee leadership and membership
- Finalized document that lists experience and training requirements for members who will serve as facilitators and SMEs on FERC and USACE Non-Federal Levee Risk Analyses
- Continuing to offer SQRA training course
- RIDM Facilitator training course under development
- Started considerations for Best Practices for Dam Safety Training

Professional Organization Collaboration Subcommittee

Sub-committee overall goals:

- Participate in USSD E&T Committee meetings on a regular basis to stay current with planned training activities
- Share planned USSD training opportunities with assigned professional organization.
- Network with training coordinators at the other organizations to stay current on their current and upcoming training opportunities
- Share training planned by other organizations relevant to USSD membership with E&T Committee.
- Network with Subject Matter Experts on various topics who may be interested in providing training through USSD
- Assist E&T leadership in identifying the training topics and details most relevant for USSD membership

Sub-Committee Year Specific 1 Goals (2021):

- Establish sub-committee (membership, goals, vision, etc.)
- Establish lines of communication to other professional organizations
- Establish common framework for sharing information between all organizations

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Accomplishments (2022):

- Established subcommittee leadership and membership
- Established lines of communication between ASDSO, ASCE, and other groups
- Developed shared training calendar:
<https://calendar.google.com/calendar/u/0/embed?src=damsafetytraining@gmail.com&ctz=America/Denver>

Academic & Research Collaboration Subcommittee

Sub-Committee Year Specific 1 Goals (2021):

- Establish sub-committee (membership, goals, vision, etc.)
- Developing a database of researchers in academia active in Dam Engineering.
- Determining the Dam Engineering related courses, and graduate level research that is performed in different universities.
- Holding monthly seminar series presented by researchers from academia to USSD members on different topics (FREE). This lights the future road for practitioners on state-of-the-art (and not practice) topics.
- Collaborating with other USSD committees to organize joint meetings, workshops, presentations on the topics of interest for USSD and academia.
- Encouraging researchers from academia to contribute in USSD magazine by publishing papers.

Accomplishments (2021):

- Established subcommittee leadership and membership
- Begin looking across academic journals that include dam safety

Body of Knowledge Subcommittee

The responsibilities of the Subcommittee are:

- Create the relevant sections of the Body of Knowledge that will correspond to the structured curricula that will be created by the Committee
- Ensure that the Body of Knowledge meets the highest professional standards
- Arrange for appropriate peer review of the Body of Knowledge

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- Coordinate with the Committee so that relevant sections of the Body of Knowledge are available in a timely fashion with respect to the timing of delivery of the corresponding structured curricula

The Subcommittee will interact with the following other subcommittees:

- Professional Organization Collaboration Subcommittee to ensure that the Body of Knowledge complements and does not duplicate or unreasonably conflict with Bodies of Knowledge that may be available or in progress from other organizations (ICOLD, ASDSO, etc.)
- Academic & Research Collaboration Subcommittee for the recruitment of Subject Matter Experts to help with gap analyses as to what post-university training/curricula are needed
- Workshops Planning Subcommittee to schedule and provide logistical support for courses that originate from the Subcommittee

Accomplishments (2021):

- Established subcommittee leadership and membership
- Developed and conducted USSD membership survey
- Determined top 5 recommended courses for development
- More detailed syllabi are under development

Webinar Development Subcommittee

This is a new subcommittee, founded to improve delivery of USSD webinar content.

Accomplishments (2021):

- Established subcommittee leadership and membership
- Issued RFPs for several upcoming 2021 webinars
- Began planning for 2023 training calendar

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2022 Goals

- Grow Membership in Committee
- Host booth at USSD 2022 in San Diego with brochures highlighting activities and opportunities, and staffed by volunteers
- Continue progress through subcommittees on developing quality training content for the industry
- Determine educational content roll-out and delivery mechanisms for future
- Host 2022 Fall Workshops Series
- Host ten webinars on a variety of topics
- Continue development of the "Body of Knowledge"

What do you need to accomplish your 2022 goals?

- Engaged leadership and more involvement in subcommittees from general committee membership
- Better understanding from USSD Board of funding mechanisms to be used for training development and roll-out
- Active participation from other technical committees on content creation and brainstorming