

ED23A-0615

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Workshop Series

- Workshop series: several workshops and events each year with various follow-on activities. Recent changes include expanding the use of virtual workshops and events.
 - **Teaching core geoscience disciplines** (e.g., hydrogeology, geomorphology, sedimentary geology) and currently in combination (e.g., mineralogy, petrology, & geochemistry)
 - **Teaching introductory geoscience**
 - **Emerging themes** - accelerate introduction of new geoscience content or aspects of pedagogy into the curriculum (e.g., affective domain, metacognition, visualization, early Earth)
 - **Repeating workshops** (e.g., course design, early career geoscience faculty, workshops and events for graduate students and post docs interested in academic careers)
 - **Journal clubs** (multi-session virtual events)
 - **Webinar series and virtual events**

Design follows good teaching practice

- Leaders set goals that guide workshop planning & evaluation

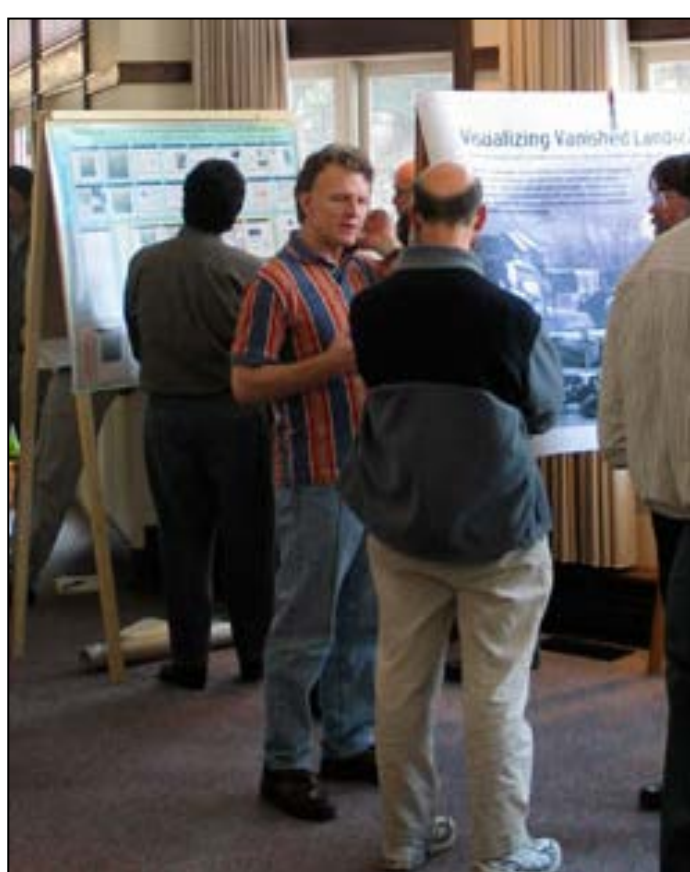
- Participants prepare by contributing teaching materials, essays, or posters or by exploring materials on the website
- Short answer questions asked on the registration forms help workshop leaders tailor the workshop to the participants
- Workshops designed so they are useful and immediately applicable to participants

- Icebreakers & other structured interactions promote a comfortable workshop community for both face-to-face and virtual workshops & webinars

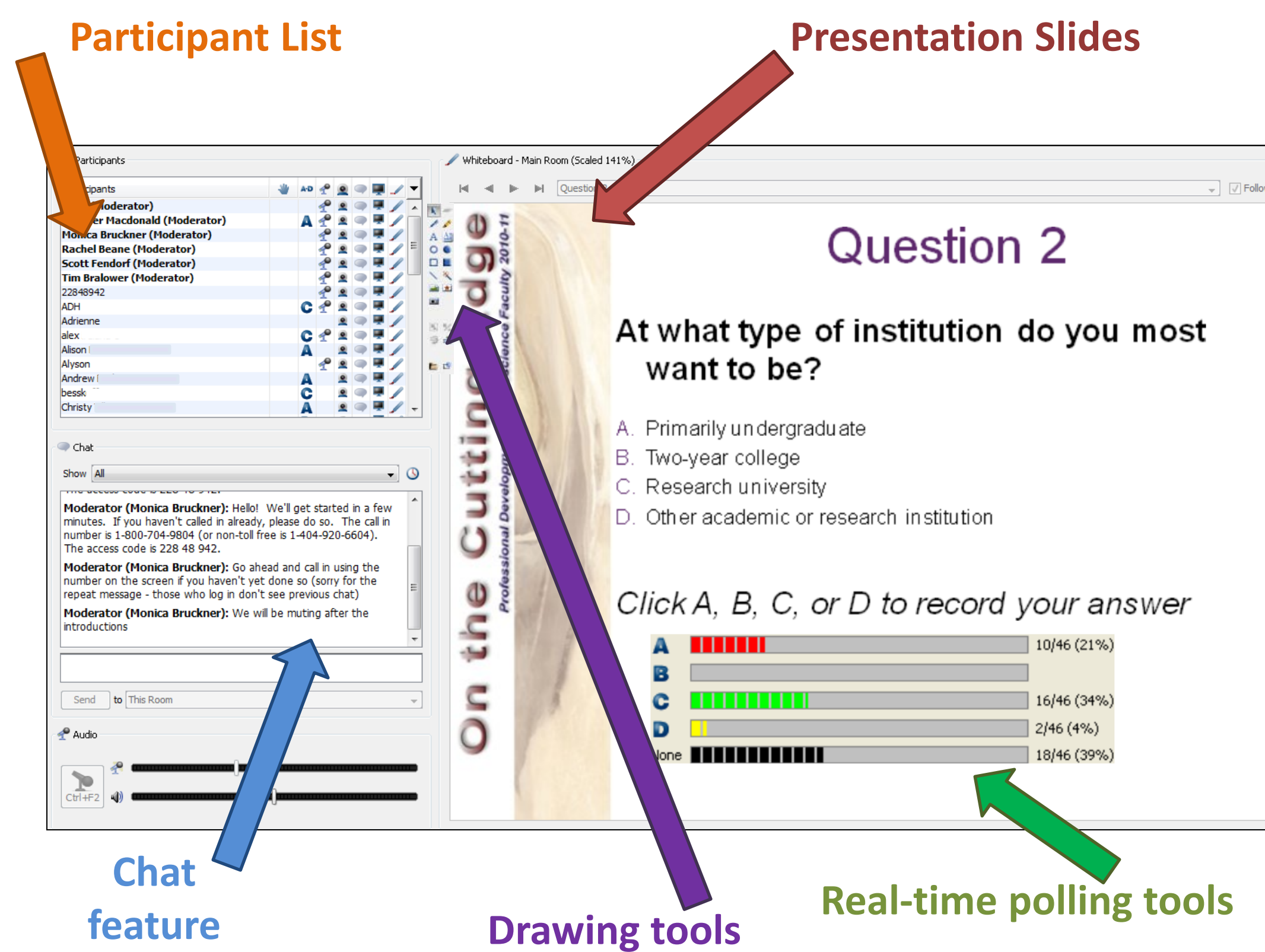
- Interactive strategies are used including interactive lecture, gallery walk session, small-group and whole-group discussion; breaks provide other opportunities for participants share their experience and knowledge
- Reflection time, individual work time, action planning help to transform participants thinking about their teaching and promote change in instruction
- When possible, participants' contributions are peer-reviewed by other participants, allowing the author to strengthen their activity and to learn what others are doing in the classroom
- Formative feedback allows leaders to address concerns & requests

- Participants' contributions are added to the collection of publicly available teaching materials
- Summative feedback from participants is used to improve future workshops & events

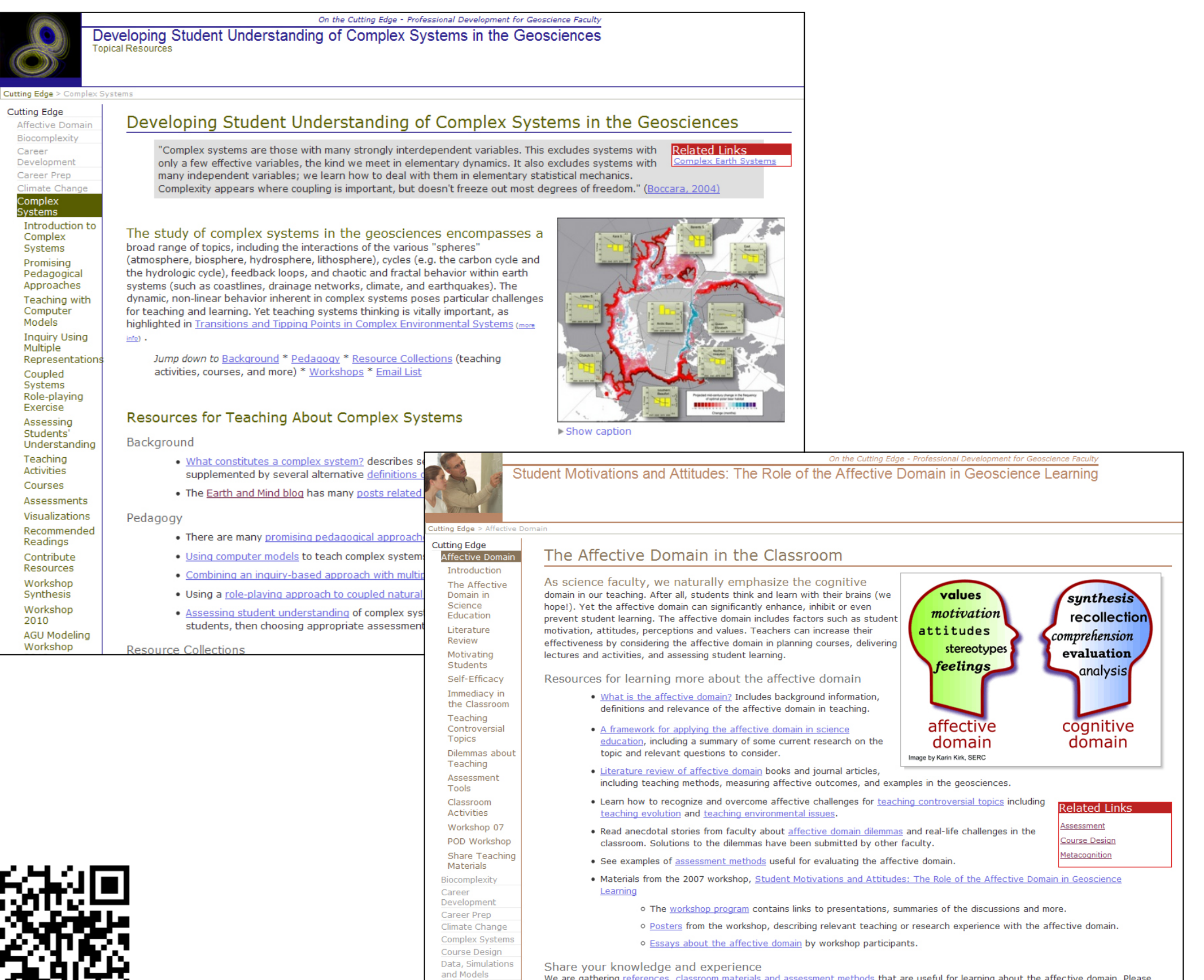
The workshop content and structures that we have developed result in high rates of satisfaction by participants.



- Promote interaction through features on webinar software, chat-aided question and answer, small-group synchronous interactions, and/or discussion boards
- Be purposeful with virtual communication strategies; each element needs a specific purpose or product
- Plan detailed schedules for workshop events
- Use asynchronous discussions and recordings of synchronous events
- Provide sufficient technical support for participants & leaders prior to and during the virtual event



- 40 topical collections
- Over 850,000 unique visitors in 2010
- Over 1500 community-contributed activities



<http://serc.carleton.edu/NAGTWorkshops>