

# First circular

## Tephra Fusion 2022 Webinar

**Registration:** <https://forms.gle/kLWZHsF48KM5Gj5F7> (link valid for all sessions)

**Workshop Website:** <https://tephrochronology.org/cot/Tephra2022/>

**Format:** virtual workshop series, four 2-hour (max) webinar sessions

**Media:** Zoom - workshop videos will be made available on the website

**Dates:** February 10, 18, 25 and March 3 (Thursdays & Fridays)

**Start Time:** 11:30 AM US & Canada Eastern Time Zone (GMT -5)

**Audience:** Members of the multidisciplinary tephra community wanting or needing to learn how to make their data open and [FAIR](#) (Findable, Accessible, Interoperable, Reusable) and learn about the broader landscape. Participants may attend any or all sessions as desired. Contact conveners if you have questions about session content.

**Sponsors:** IAVCEI Commission on Tephrochronology (COT), NSF EarthCube, USGS, EarthChem

**Conveners:** Kristi Wallace ([kwallace@usgs.gov](mailto:kwallace@usgs.gov)), Marcus Bursik ([mib@buffalo.edu](mailto:mib@buffalo.edu)), Steve Kuehn ([sckuehn@concord.edu](mailto:sckuehn@concord.edu)), Andrei Kurbatov ([akurbatov@maine.edu](mailto:akurbatov@maine.edu))

### Workshop Goals:

1. Reconnecting the community to progress made over the last decade in tephra data standardization and sharing
2. Adaptation of [FAIR](#) data principles
3. Update on new tools available for tephra research ([IGSN](#), [EarthChem tephra](#) data portal, [StraboSpot](#) tephra module for field collection)
4. Update on best practice recommendations for tephra from collection through analysis.
5. Planning and developing next steps and next-generation tools

### Expanded Schedule (sessions):

#### **Session 1: Motivation, Thursday February 10, 2022**

- IAVCEI Commission on Tephrochronology (CoT) introduction and vision (Britta Jensen, U Alberta, and CoT President)
- Development of Tephra Community Best Practice Recommendations (Kristi Wallace, USGS)

- Introduction to [FAIR](#) data principles and the broader landscape ([Kerstin Lehnert](#), Lamont-Doherty Earth Observatory of Columbia University, Director, Interdisciplinary Earth Data Alliance)
- Journal editor perspective ([Guy Jones](#), Chief Editor, Scientific Data, Springer Nature)
- Funding agency perspective ([Raleigh Martin](#), Program Director, Geoinformatics, NSF)
- USGS perspective ([Vivian Hutchison](#), Branch Chief, USGS Science Data Management)

**Breakout Session** (10 min): Discussion of how FAIR data principles are enacted around the globe.

### **Session 2: Field Data Collection & Management Example - StraboSpot, Friday February 18, 2022**

Working with StraboSpot for [Tephra](#): How to document samples and get your locations searchable (Doug Walker, U Kansas)

- What is [StraboSpot](#)?
- StraboSpot web and iOS app demo – the standard version.
- StraboSed app demo – another mode.
- StraboMicro and StraboTools quick introduction.
- StraboSpot tephra demo – Alaska Volcano Observatory output.
- Close: Community feedback on StraboSpot and digital field tools

### **Session 3: Digital Data Repository Examples - SESAR/EarthChem, Friday February 25, 2022**

How to make data FAIR—[SESAR/EarthChem](#) (Sarah Ramdeen, Product Manager, SESAR, System for Earth Sample Registration; Lucia Profeta, Product Manager, EarthChem)

- Brief introduction into the two systems and primary purpose
- Review of tephra data submission templates
- Walk through a submission from an existing data set
- Answer questions about the SESAR/EarthChem services, how they fit into the broader workflow of the other tools and services highlighted in the workshop series, the templates, the submission process, etc.
- Close: Community feedback on sample registration and geochemical data submission

### **Session 4: Future Roadmap for Open Tephra Data, Thursday March 3, 2022**

- Summary of workshop progress
- Future best practice work
- Future information systems
- Development of action items and goals