

3D Data Common Knowledge Group Charter

1. Summary and Scope of Work

The use and reliance on 3DD for researchers has grown in recent years, and is simultaneously emerging as a complex, ubiquitous, and distinct subfield in a wide range of academic disciplines, necessitating new skill sets and domain knowledge. The 3DD CKG covers topics over the entire lifecycle of 3D data, including the generation of 3D data through the use of emerging technologies such as 3D scanners or photogrammetry, the analysis of 3D data through either visualization or topographical tools, and long-term curation and preservation strategies for 3D data. The 3DD CKG also discusses strategies and trends related to library makerspaces and how to best use makerspace technologies to support 3D data research and discovery.

The 3DD CKG aims to gather and share information and resources regarding 3D data, with topics including but not limited to:

- 3DD hardware (i.e., 3D scanners, 3D sensors, drones, etc.)
- 3DD software (in-browser viewers, modeling software, etc.)
- 3DD events, initiatives, conferences, and workshops at UC and elsewhere
- 3DD technical infrastructure (hosting, software support, conversion tools, etc.)
- 3DD interdisciplinarity and diverse applicability to different kinds of research projects.
- 3DD grants and funding opportunities
- 3DD in the classroom
- 3DD publication and metadata

This charge directly supports these goals outlined in the UC Libraries 2019-20 System-wide Plans and Priorities:

- #1 Advance Long-Term Stewardship of Digital Content
- #3 Strengthen Systemwide Communications
- #4 Actively Transform Scholarly Publishing and Communication

2. Key Expectations

The 3DD CKG will

- a. Gather and share information about new technologies, best practices, new opportunities, and use-cases specific to a defined knowledge area.
- b. Coordinate and communicate with other UC Library groups as needed.
- c. Share insights and progress on various research projects when appropriate.
- d. Share hardware and software resources related to 3D data.

- e. Ensure that UC Libraries' 3D data management practices are aligned to the UC Libraries' Systemwide Plan and Priorities.

3. Membership and Terms of Appointment

Current members (listed alphabetically)

- a. Alvaro Alvarez - UCR
- b. Doug Daniels - UCLA
- c. Kristy Golubiewski-Davis - UCSC
- d. Raymond Gonzalez - UCR
- e. Brianna Marshall - UCR
- f. Scott McAvoy - UCSD
- g. Annalise Philips - UCB
- h. Dylan Romero - UCSF
- i. Josh Tuthill - UCSC

Membership is open to all levels of staff that are interested in and responsible for any part of the 3D data lifecycle. Those interested in joining should contact the current convener of the 3DD CKG. Members commit to a one-year term. Conveners will be anonymously elected to serve for a one-year term. There are no term limits.

4. Communication and Meetings

The 3DD CKG communication goals and responsibilities are:

- Maintain an email list for use by the CKG to facilitate communication.
- Maintain a record of meeting minutes (or Zoom recordings if amenable to all parties). Recordings and meeting notes would be available to the UC community.
- At a minimum, maintain and organize quarterly meetings for the CKG.
- Arrange meetings or send communications as needed.
- Media resources will be shared via Box or Google Drive.
- A 3DD Slack channel will be used to facilitate quick and instantaneous communication between colleagues across the UC system.
- All communications regarding active research projects will be done in accordance with and in collaboration with the PI.