



Underground Research Facility

South Dakota Science and Technology Authority

630 E. Summit St. Lead, SD 57754

www.sanfordlab.org

Jan. 10, 2022

FOR IMMEDIATE RELEASE

Contact:

Constance Walter, Communications Specialist
Sanford Underground Research Facility
605.722.4025 (office); 402.560.6116 (cell)
cwalter@sanfordlab.org

Learn about geothermal energy research at SURF's upcoming Deep Talks

The Enhanced Geothermal Systems Collab will discuss their research on the 4100 Level of SURF and how their findings inform large-scale studies worldwide

LEAD, SD— As heat boils in the Earth's deep subsurface, researchers around the world are developing better ways to tap into that energy source. This January, join us for an exploration of the geothermal research happening in Lead, South Dakota, at "Deep Talks: Harnessing the Heat Beneath our Feet." This virtual event will be streamed on Thursday, Jan. 13, from 6 to 7 p.m. MST.

The rock at the Sanford Underground Research Facility (SURF) isn't hot. But it's perfect for researchers with the Enhanced Geothermal Systems (EGS) Collab who want to study rocks at relevant depth and pressures—without sweating the extreme temperatures.

EGS Collab researchers Hunter Knox, a geophysicist at Pacific Northwest National Laboratory, and Paul Schwering, a senior geoscientist at Sandia National Laboratories, will discuss their research on the 4100 Level of SURF and how their findings inform large-scale studies worldwide.

"The EGS Collab project wants to understand rock properties and to conduct experiments on increasing permeability in very hard, crystalline rock as a means for securing geothermal energy across the country," Schwering said. "Please join us for Deep Talks in January, where myself and members of the EGS Collab team will talk about the amazing experiment we're conducting underground at SURF."

Attendees can join this free event via Zoom webinar to answer polls and submit questions for speakers or watch live on SURF's Facebook page. Webinar space is limited; early registration is encouraged.

View full event information and register for the Zoom webinar on SURF's website:

<https://www.sanfordlab.org/news-and-events/upcoming-events>

This event is part of SURF's Deep Talks lecture series, a monthly series ushering scientific discussions into the public sphere. In the 2021-2022 season, Deep Talks will bring voices from the international scientific community to your home through our virtual format. The Deep Talks lecture series is sponsored by Chuck and Jolene Lichtenwalner, Crow Peak Brewing Company, RCS Construction and Northern Hills Federal Credit Union.

Sanford Underground Research Facility is operated by the South Dakota Science and Technology Authority (SDSTA) with funding from the Department of Energy's Office of Science. Our mission is to advance world class science and inspire learning across generations. Visit SURF at www.sanfordlab.org.