

# DEEPER TALKS

SURF SEMINAR SERIES

Monthly science talks providing a platform for researchers to discuss their work, share insights, and foster interdisciplinary connections

Hosted by



THE INSTITUTE  
FOR UNDERGROUND SCIENCE  
AT SURF



**SPEAKER:**

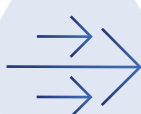
**DR. KEVIN ROSSO**

PACIFIC NORTHWEST NATIONAL LAB

**UPCOMING TALK**  
**SEPT 10, 2025 • 9AM MT**  
**VIRTUAL**

## CUSSP EXPERIMENT: SENSING THE SUBSURFACE

Enhanced geothermal systems (EGS) offer exciting potential for renewable, reliable energy by engineering fractures in deep hot rock to circulate water and extract heat. This talk explores how the Center for Understanding Subsurface Signals and Permeability (CUSSP) is advancing EGS technology through a multidisciplinary approach. Learn how researchers are working to track and optimize underground heat flow in real time by linking geophysical signals to physical and chemical changes deep below the surface.



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