



UAF Alaska Critical Minerals Collaborative



Vision

Be a globally recognized research and educational organization that positions Alaska as a domestic and international leader in the critical minerals space.

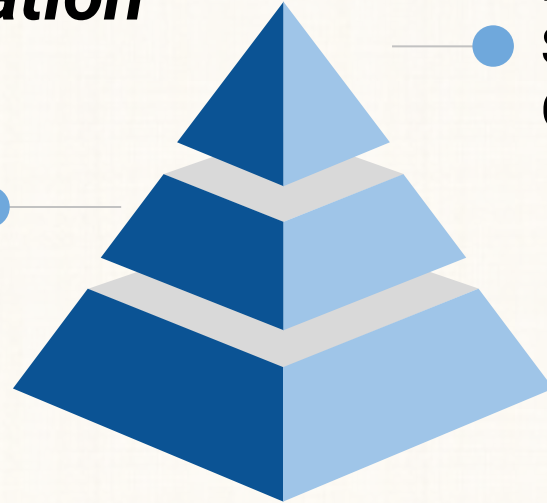
Mission

Advance interdisciplinary critical minerals and materials research, education, technology and partnerships to discover and produce critical mineral resources.

ACMC Critical Minerals Technical Research Focus Areas

Characterization

Geosciences
Engineering



Environmental
Sciences
Geosciences

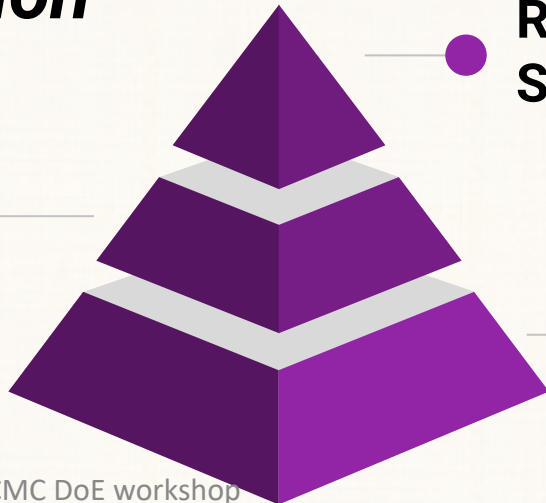
Remediation



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Exploration

Geosciences

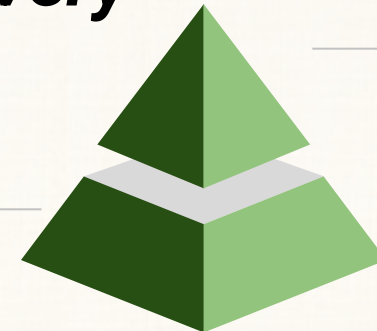


Remote
Sensing

Data Science

Recovery

Processing



Separations

University of Alaska Critical Minerals Research Laboratories

Research and Training Opportunities

Exploration		Characterization		Recovery	
Remote Sensing	Hyperspectral Imaging Lab - UAF	Geosciences	Geochronology and Mineralogy Lab - UAF	Processing	Mineral Industry Research Lab - UAF
Geosciences Data Science	Geochronology and Mineralogy Lab - UAF		Advanced Instrumentation Lab - UAF	Separations	Mineral Industry Research Lab - UAF
	AK Critical Mineral Hydrogeochemistry Lab - UAA	AK Critical Mineral Hydrogeochemistry Lab - UAA	AIMS Core Facility - UAA		
	Environmental	Applied Science Engineering and Technology Lab - UAA			
Remediation	WERC - UAF				
	Remediation Lab - UAA				



UAF ACMC DoE workshop
05/09/2024

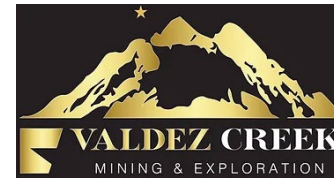


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Opportunities And Building Partnerships

- ARPA-e
- NSF
- DoE Arctic Energy Office
- DoE FECM
- Minerals and mining industry
- Bioextraction tech industry
- USGS
- DGGS
- Alaska Native Corporations
- Other universities
- Others!





UAF Alaska Critical Minerals Collaborative



Contacts for ACMC

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Geophysical Institute – UAF

College of Natural Science and Math - UAF

College of Engineering and Mines - UAF

College of Arts and Sciences – UAA

College of Engineering - UAA