

MARESUNEX - THE FIRST 500 DAYS

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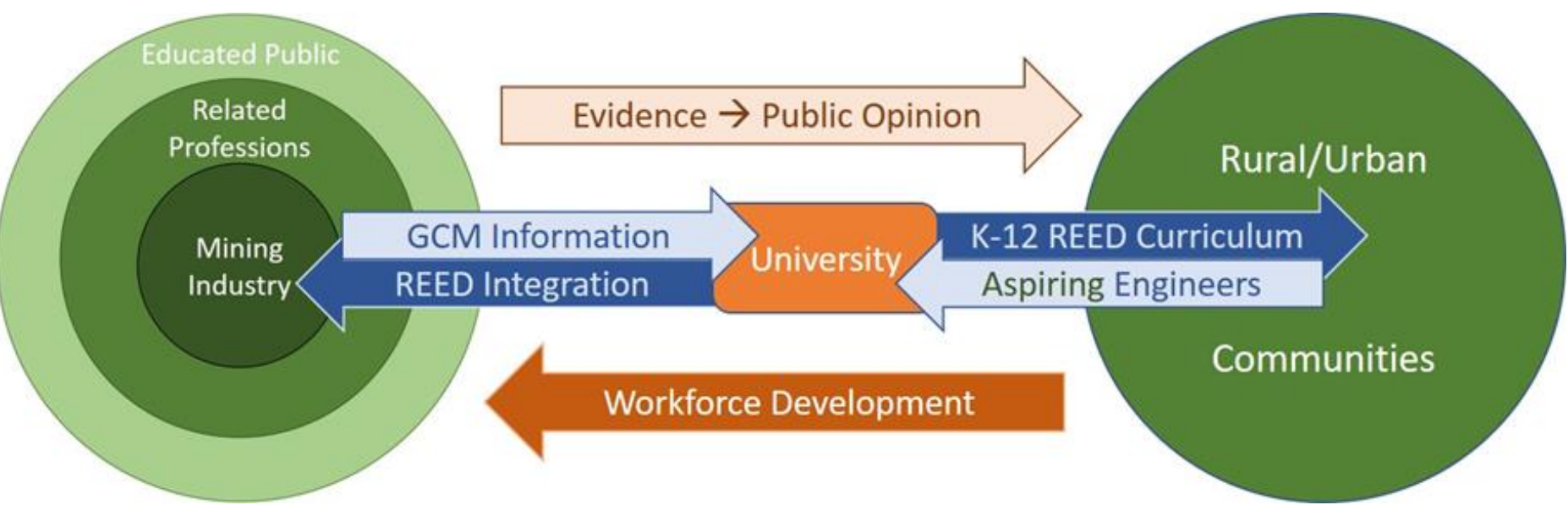
BOISE STATE UNIVERSITY

Theme

Materials Resources Sustainability Nexus (MARESUNEX) Theme: Creating and maintaining an ecologically, socially and economically just and sustainable world through material innovation in Idaho.

Vision

Healthy, mutually engaged, thriving rural and urban communities maintain a sustainable and just flow of materials from sourcing to disposing through STEM-informed decision making.



Mission

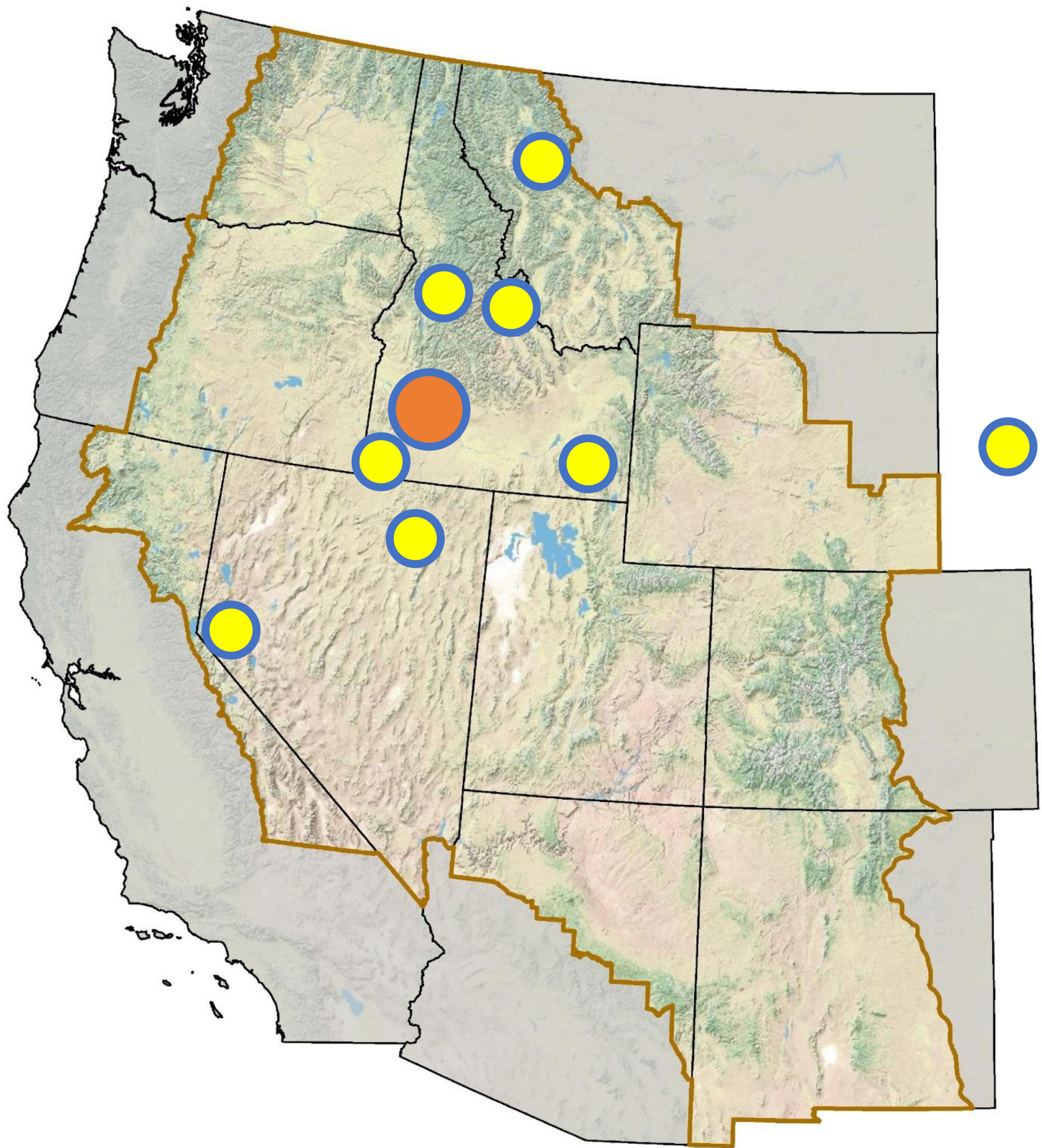
We build partnerships that create sustainable materials solutions that germinate from the values and traditions of rural communities and incorporate the knowledge of Science, Engineering, Technology, and Mathematics.

The partnerships

1. Preserve and support rural communities and identities.
2. Develop resources for technologies that support a healthy global environment and justice for all participants.

MARESUNEX nucleates at mining communities in Idaho from where it spreads through the Northwest and the United States.

Partnerships



- individual partner organization
- multiple partner organizations (Boise)

Promoting Cohesion

Building a nexus

1. Larger Team Activity
 - a) Weekly Meetings
 - b) Collaborative Writing Projects
 - c) Joint Grant Submission
 - d) Special Activities
2. Sub-Team Activity
 - a) Leadership Meetings
 - b) 497/597 Materials, Resources, and Sustainability
 - c) Jared/Heather - INCLUDES
3. Individual Efforts



Lessons Learn

1. Rome wasn't built in a day - plan to grow your resources and skills over the lifetime of the program
2. Resources include (but are not limited too)
 - a. grant ideas
 - b. grant drafts
 - c. experience with particular grants
3. Develop a suite of deliverables (grants, papers, talks etc)
4. Have fun
5. Hold time for 'nerding out'
6. Gather regularly
7. Check in regularly with folks about what they need from the project and what they are able to offer - this changes over time



Achievements

- | | |
|--|---|
| 2022
NSF INCLUDES
Seminar presentation | 2024
NSF TRAILBLAZER
TRANSFORM
Seminar presentation |
| 2023
FY25 Initiative
NSF ENGINES
NSF INCLUDES 2nd
IGEM-HERC
SLOAN | IMA Conference 2022 (attended)
IMA Conference 2023 - Presentation

Writing Project |

Identifying and developing educational tools to support responsible mining in Idaho

