**2048828 Developing underserved elementary students’ systems thinking and economic literacy through investigations of local ecological-economic systems**
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<table>
<thead>
<tr>
<th>Broader participation in Maine’s aquaculture industry, provide foundation of systems thinking &amp; economic literacy</th>
<th>Project type: Designing and Testing Innovations</th>
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</thead>
<tbody>
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<td>Project start/end date: 2021-2022</td>
<td>Project URL: <a href="https://gmri.org/projects/supporting-development-socioecological-literacy/">https://gmri.org/projects/supporting-development-socioecological-literacy/</a></td>
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**Strategies:**
- Focus on *regionally relevant and climate adaptive* STEM careers
- Partnership with Maine Aquaculture Association to promote alignment between STEM learning and aquaculture careers
- Develop future citizenry who understand how particular decisions can achieve or not achieve certain goals

**Insights & Achievements:**
- Successful recruitment of schools in focal communities representative of Maine’s historically marginalized populations as well as her growing diversity
- Launch of computational tool development, including agent-based models and choice-based economic games

**Reconsiderando:**
- What have you needed to reconsider? *My positionality, research timelines due to Covid*
- What have you been able to creatively overcome and how? *Participant recruitment*
- What are you still grappling with? *Designing learning experiences responsive to needs of both rural and urban students & ELLs*
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Diagram:

- **Aquaculture**
- **Marine Ecosystem**
- **Coastal Economy**
- **Ecological and Economic Predictions**
- **Decision-Making**

[Image of coastal ecosystem with oyster beds and forested coastline]