

Increasing social resilience to wildfire through technology

Critical knowledge gaps

1. **Integrated Data Fusion and Analytics:** technologies to integrate and analyze diverse data sources in real-time
2. **Interoperable Communication Systems:** facilitating seamless information exchange and collaboration among various stakeholders
3. **Resilient Infrastructure and Sensor Networks:** withstanding wildfire impacts and providing reliable data in high-risk areas



Research needs

1. **Human-Centered Design:** understanding the needs, behaviors, and preferences of communities at risk of wildfires
2. **Interdisciplinary Approaches and Collaboration:** holistic collaboration between experts, with lived and learned knowledges
3. **Long-Term Effectiveness and Sustainability:** evaluation of long-term effectiveness and sustainability of technology interventions aimed at increasing social resilience to wildfires