



The Need to train STEM Professionals in Community-focused Ethics and Decision-making

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Communities with less societal power (economically underprivileged, of color, etc) are overwhelmingly affected by environmental injustices. Our work targets the formation of ethics among individuals working in water-impacting industries (mining, water transfer and treatment, petroleum pipeline operation, etc.). Where ethics are included in curriculum or professional licensure (e.g., ABET for engineers), these ethics tend to be more concerned with responsible conduct of research or professional expectations than environmental or social justice more broadly. An intervention is needed to push STEM professionals to grapple with a range of ethical considerations, to recognize environmental injustice borne by communities of color, and to consult with impacted communities and incorporate diverse views into decision-making across the life cycle of water science.