

Research Article

Faith-Based Climate Advocacy and Moral Responsibility: A Cross-Religious Analysis of Community Mobilization for Environmental Justice

Yulianti Prihatiningrum ^{1,*}, Meiske Claudia ², Yoga Adi Prayogi ³, Ismat Valiyev ⁴

¹ Universitas Lambung Mangkurat, Indonesia; Email: rryulianti@ulm.ac.id

² Universitas Lambung Mangkurat, Indonesia; Email: mclaudia@ulm.ac.id

³ Universitas Bhayangkara Surabaya, Indonesia; Email: yogaadiprayogi@ubhara.ac.id

⁴ University of Liege, Belgium; Email: ismet.veliyev.00@gmail.com

* Corresponding Author: rryulianti@ulm.ac.id

Abstract: This study explores the integration of indigenous spiritual knowledge into modern environmental ethics, focusing on the role of traditional ecological wisdom, spiritual cosmology, and stewardship practices in promoting sustainability. Indigenous worldviews often emphasize the interconnectedness between humans, the spirit world, and nature, viewing these relationships as sacred and reciprocal. This paper highlights the philosophical contributions of indigenous environmental ethics, which contrast with Western anthropocentric frameworks, offering a more holistic, spiritual, and culturally embedded perspective on ecological stewardship. Through a qualitative comparative approach, the study examines indigenous practices such as those found in the Anishinaabe philosophy of *mino-mnaamodzawin* and the Sarnaism faith of the Oraon community, demonstrating how spiritual connections to nature foster a deep sense of responsibility and environmental ethics. Additionally, the study discusses the challenges of integrating indigenous spiritual principles into Western academic and policy frameworks, including issues of cultural appropriation and the preservation of traditional knowledge. The research further explores potential strategies for collaboration, emphasizing community-driven approaches that respect and incorporate indigenous knowledge into global environmental governance. This integration can lead to more inclusive and sustainable environmental practices that honor both ecological balance and cultural heritage. The findings suggest that indigenous spiritual knowledge offers essential insights into creating a more sustainable and ethical approach to environmental challenges, providing a model for future policy development and global ecological strategies.

Keywords: Cultural Integration; Ecological Ethics; Environmental Sustainability; Indigenous Knowledge; Spiritual Cosmology.

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1. Introduction

This study aims to explore the integration of indigenous spiritual knowledge into contemporary environmental ethics, focusing on the role of traditional ecological wisdom, spiritual cosmology, and stewardship practices in modern sustainability efforts. By examining how indigenous communities' ecological knowledge can be applied to modern environmental governance, this research seeks to highlight the potential benefits and challenges of incorporating ancestral beliefs and practices into policy frameworks. Indigenous spiritual knowledge, often deeply embedded in cultural rituals and everyday life, offers a holistic perspective on ecological stewardship that has been honed over centuries of direct interaction with nature (Nelson & Shilling, 2018). The research questions guiding this inquiry are: How can indigenous spiritual knowledge contribute to ecological stewardship in contemporary contexts? What are the potential benefits of integrating indigenous knowledge systems with modern environmental governance? And, what challenges might arise in this process?

Indigenous knowledge systems (IKS) provide invaluable insights into sustainable resource management, developed through generations of interaction with the natural environment. Practices such as selective harvesting, sustainable hunting, and resource regeneration are not only embedded in indigenous cultures but also align with global conservation principles (Ouma et al., 2016). This ancestral ecological wisdom, often regarded as deeply holistic, emphasizes a balanced relationship between humans and nature, offering solutions to contemporary environmental challenges.

The concept of spiritual cosmology within indigenous cultures further enhances environmental ethics. Many indigenous communities, such as the Oraon, view natural elements like forests, rivers, and mountains as sacred, fostering a deep ecological ethos that promotes environmental stewardship (Weatherdon, 2017). These spiritual practices and rituals reinforce sustainable living and the moral obligation to protect and preserve the natural world (Kaushal, 2023).

Moreover, traditional stewardship practices, which include culturally specific environmental ethics like totemic beliefs and taboos, have long been effective in maintaining biodiversity and ecological balance (Barman, 2024). These practices demonstrate that indigenous communities have historically managed natural resources sustainably, and their knowledge continues to offer viable solutions for the preservation of ecosystems (Withanage & Gunathilaka, 2023).

The primary research question of this study is: How can indigenous spiritual knowledge contribute to ecological stewardship in contemporary contexts? Indigenous spiritual knowledge provides a unique normative depth to modern environmental ethics, helping reorient current practices towards more holistic and sustainable approaches (Kennedy et al., 2024). Integrating indigenous ecological practices into modern conservation policies could lead to culturally inclusive and ecologically effective solutions to global environmental challenges (Barman, 2024).

Another question this study seeks to answer is: What are the potential benefits of integrating indigenous knowledge systems with modern environmental governance? The integration of indigenous knowledge with modern environmental frameworks can promote corporate social responsibility, foster sustainable resource management, and strengthen local economies by encouraging ethical growth that benefits both society and the environment (Ouma et al., 2016).

Lastly, this study examines the challenges that may arise in integrating indigenous spiritual knowledge with modern environmental ethics. These challenges include power disparities, differing epistemologies, and the risk of tokenistic inclusion. It is essential to address structural barriers and ensure that indigenous knowledge systems are treated as equal partners in environmental decision-making processes (Opoku & James, 2020; Weatherdon, 2017).

2. Literature Review

Indigenous Cosmologies

Indigenous worldviews often emphasize a deep sense of interconnectedness between humans, the spirit world, and the natural environment. This interconnectedness integrates the mind, body, emotion, and spirit, fostering a holistic perspective that sees humans as an integral part of the natural world, rather than separate from it. For example, the African philosophy of Ubuntu and the Sami worldview both stress reciprocal relationships with nature, where human actions are guided by respect for the environment and a mutual exchange with the more-than-human world (Sherwood, 2016). This interconnected knowledge serves as the foundation of indigenous environmental ethics, highlighting the necessity of sustainable living practices and responsible resource management.

Spirituality is a core component of many indigenous worldviews, where the natural world is seen as imbued with intrinsic meaning and value. This spiritual connection promotes a deep sense of environmental responsibility, fostering kinship with all living beings. Sacred Natural Sites (SNSs), such as forests, rivers, and mountains, play a significant role in indigenous cosmologies, serving as spiritual and cultural landmarks that embody the values of the natural elements (Herrmann & Heinämäki, 2017). These sacred sites reinforce a worldview that treats the environment as sacred and integral to the well-being of both humans and nature (Ortega-Rincon, 2024).

Environmental Ethics

Environmental ethics is a branch of philosophy that explores the moral status of non-human entities, processes, and systems, as well as human responsibilities toward them. It involves understanding the ethical implications of human interactions with the environment, and the frameworks for making decisions about conservation and resource management (Valdivielso, 2023). The development of environmental ethics emerged as a critique of industrialization and the commodification of nature during the 19th century, gaining further significance during the ecological crisis of the 1970s. Various ethical frameworks, such as anthropocentric, ecocentric, and mankind-ecocentric ethics, have shaped the discourse on environmental responsibility (Eser, 2020). These frameworks provide guidelines for addressing the balance between human development and the preservation of ecosystems.

The practical application of environmental ethics has been integral to various ecological practices, including conservation, restoration, and sustainable development. By integrating both indigenous and Western values, these ethical frameworks guide human interactions with nature, aiming to achieve a balance between human needs and the preservation of natural ecosystems (McMillen et al., 2017).

Traditional Ecological Knowledge (TEK)

Traditional Ecological Knowledge (TEK) is the body of knowledge and practices that indigenous communities have developed over centuries, based on empirical observation and adaptation to their local environment. TEK plays a crucial role in sustaining environmental practices and promoting resilience in social-ecological systems. It has been used to guide sustainable forest management, climate change adaptation, and biodiversity conservation in various regions (Biswas & Nautiyal, 2023). TEK also contributes to local adaptation strategies, especially in areas like the Hindu Kush Himalaya and the Indian Sundarbans, where communities face increasing environmental challenges (Florence & Mishra, 2024).

TEK offers a holistic understanding of ecosystem dynamics, providing valuable insights that complement Western scientific knowledge. By emphasizing the interconnectedness of cultural and biological diversity, TEK advocates for the integration of indigenous knowledge into modern ecological practices. This integration is essential for addressing contemporary environmental issues such as climate change and biodiversity loss (Rai & Mishra, 2023). Furthermore, TEK is closely tied to cultural identity and spiritual beliefs, reinforcing the importance of maintaining traditional practices for both ecological and cultural sustainability (Nelson & Shilling, 2018). These practices ensure the preservation of biodiversity while simultaneously supporting the cultural heritage of indigenous communities (Souther et al., 2023).

Spirituality and Nature Relations in Indigenous Cultures

Indigenous cultures often maintain a profound spiritual connection to nature, viewing the Earth and its natural elements as sacred entities that require respect and protection. This deep connection is integral to their cosmologies and spiritual practices, wherein nature is not merely a resource but a living entity that coexists with humans in a reciprocal relationship. For example, the Anishinaabe philosophy of *mino-mnaamodzawin* emphasizes living harmoniously through respectful relationships with all living beings, including non-human entities like water, Earth, and plants (McGregor, 2018). Similarly, indigenous women's spirituality plays a pivotal role in environmental protection, particularly in Canada, where their spiritual practices and traditional ecological knowledge are essential in safeguarding ancestral lands (Chakraborty, 2024).

One prominent example of the intertwining of spirituality and ecology is the Oraon tribal community's faith in Sarnaism. The Sarnaism belief system venerates natural elements such as forests, rivers, and mountains, with spiritual rituals like the Sarhul festival reinforcing an ecological ethos (Kimmerer, 2017). These practices highlight the ecological responsibilities embedded in the spiritual worldview of many indigenous cultures, which emphasize the protection of nature as part of their sacred duties.

Philosophical Analyses of Indigenous Ecological Worldviews

Indigenous environmental philosophy reflects a holistic approach that incorporates ethics, aesthetics, epistemology, and metaphysics. Traditional Ecological Knowledge (TEK) is a key component of this philosophy, providing practical models for sustainability that integrate cultural, spiritual, and ecological dimensions (Nelson & Shilling, 2018). Unlike the anthropocentric views dominant in Western environmental ethics, indigenous ethical systems

often emphasize the intrinsic value of nature, advocating for moral obligations toward non-human entities (Kimmerer, 2017). This perspective contrasts sharply with more utilitarian and exploitative views of nature, offering alternative models for resource management and environmental justice.

Scholars have debated the integration of indigenous environmental ethics into broader environmental policies and education systems. Some of the key challenges include overcoming prejudices, addressing the need for proof and experimentation, and translating indigenous knowledge into languages and contexts that are accessible to modern governance (Jeri, 2024). Furthermore, the recognition of indigenous spirituality in environmental decision-making can empower indigenous communities, especially when their sacred natural sites are formally recognized and protected (Borde, 2018). However, this recognition often places a burden on these communities to embody ideal environmental practices, which can be both empowering and challenging (Opoku & James, 2020)..

3. Materials and Method

This study uses a qualitative comparative approach to explore how indigenous spiritual knowledge can be integrated into modern environmental ethics. It employs textual analysis of indigenous narratives to uncover ecological wisdom and conducts interviews with community elders to gain insights into traditional ecological practices. The research also includes a philosophical evaluation to examine the spiritual and ethical principles within indigenous worldviews, focusing on concepts like reciprocity, respect for nature, and interconnectedness. By comparing indigenous practices with contemporary environmental ethics, the study aims to highlight how these two systems can inform and complement each other, offering a holistic approach to ecological responsibility and sustainability.

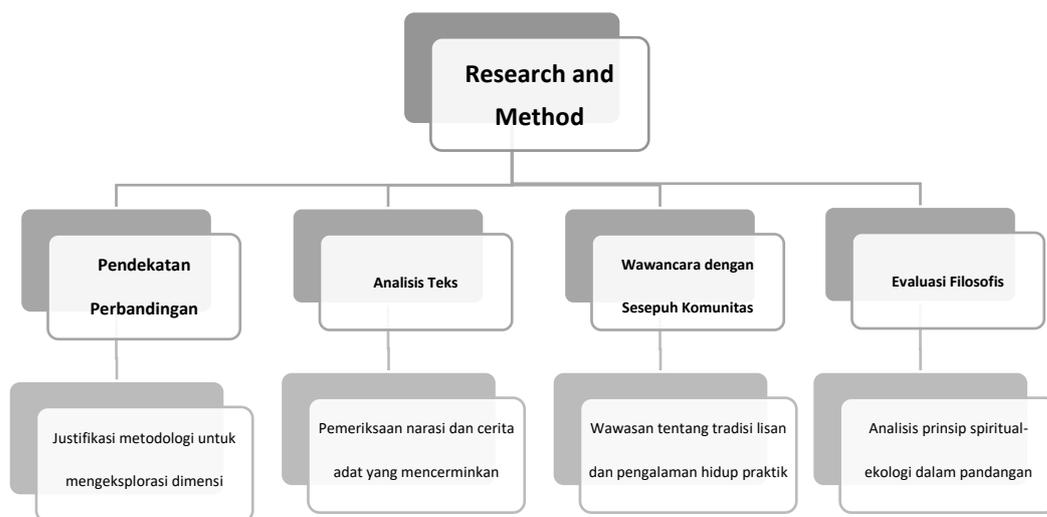


Figure 1. The structure of the Research Methodology flowchart.

Qualitative Comparative Approach

This study adopts a qualitative comparative approach to examine the integration of indigenous spiritual knowledge into modern environmental ethics. The qualitative nature of this methodology is particularly suitable for exploring the philosophical and cultural dimensions of indigenous knowledge, as it allows for a deeper understanding of the values, beliefs, and practices that shape indigenous worldviews. By focusing on rich, contextual data such as indigenous narratives, oral traditions, and spiritual practices, this approach enables the researcher to capture the complexity and depth of indigenous ecological knowledge. The comparative aspect allows for the analysis of differences and similarities between indigenous ecological practices and modern environmental ethics, fostering a nuanced understanding of how these two systems can inform one another.

Textual Analysis

Textual analysis will be employed to examine indigenous narratives and stories that reflect ecological wisdom. These narratives, often passed down orally through generations, offer valuable insights into the ways indigenous communities conceptualize their relationship with nature. The study will focus on texts that portray the spiritual connection to the environment, emphasizing the role of nature as a sacred entity, and the reciprocal relationships between humans and the natural world. Textual analysis is an appropriate method for interpreting these stories, as it allows for the identification of key themes such as reciprocity, sustainability, and interconnectedness that are central to indigenous ecological ethics.

Interviews with Community Elders

Interviews with community elders will be conducted to gain insights into the oral traditions and lived experiences of indigenous ecological practices. Elders are often considered the keepers of traditional knowledge, and their perspectives are invaluable for understanding how ecological wisdom is transmitted within communities. These interviews will provide firsthand accounts of indigenous practices related to resource management, spiritual rituals, and environmental stewardship, offering a deeper understanding of how these practices are embedded in cultural and spiritual contexts. By interviewing elders, the study aims to capture the dynamic nature of indigenous knowledge, which is constantly evolving in response to both cultural shifts and environmental changes.

Philosophical Evaluation

A philosophical evaluation will be conducted to analyze the spiritual-ecological principles within indigenous worldviews and their relevance to contemporary environmental ethics. This analysis will focus on the ethical foundations of indigenous environmental practices, particularly how concepts such as reciprocity, respect for nature, and the intrinsic value of the Earth are framed within spiritual cosmologies. By engaging with both indigenous and Western philosophical perspectives, this evaluation will assess how indigenous spiritual beliefs can enrich global environmental ethics, emphasizing the need for a holistic approach to ecological responsibility. The philosophical evaluation will also explore the potential for integrating indigenous environmental ethics into modern environmental governance frameworks, addressing challenges such as cultural appropriation and the need for decolonization in resource management.

4. Results and Discussion

The study highlights that indigenous spiritual knowledge emphasizes reciprocity, balance, and interconnectedness with nature, promoting sustainable practices rooted in respect for the environment. However, challenges such as cultural appropriation and the loss of traditional knowledge threaten the integrity of these practices. The difficulty in integrating indigenous spiritual cosmologies into Western environmental frameworks, which often prioritize scientific rationality and utilitarianism, further complicates their inclusion. Despite these challenges, the study suggests strategies for respectful collaboration, including community-driven approaches and decolonizing frameworks in environmental governance. These strategies aim to integrate indigenous knowledge into global environmental ethics, fostering mutual respect and creating more inclusive and sustainable ecological solutions.

Results

The findings indicate that indigenous spiritual knowledge strongly emphasizes principles of reciprocity, balance, and interconnectedness with nature. Indigenous worldviews, reflected in both narratives and practices, conceptualize nature not merely as a resource, but as a sacred and interconnected entity. This view fosters a deep sense of responsibility toward the environment, where humans are seen as caretakers rather than dominators. Central to this is the idea of reciprocity, where human actions are aligned with natural cycles and the well-being of the environment. Practices like the Anishinaabe philosophy of *mino-mnaamodzawin* highlight the importance of respectful relationships with the Earth, guiding sustainable practices that ensure ecological balance. These principles form a holistic ethical framework that prioritizes environmental harmony and sustainability.

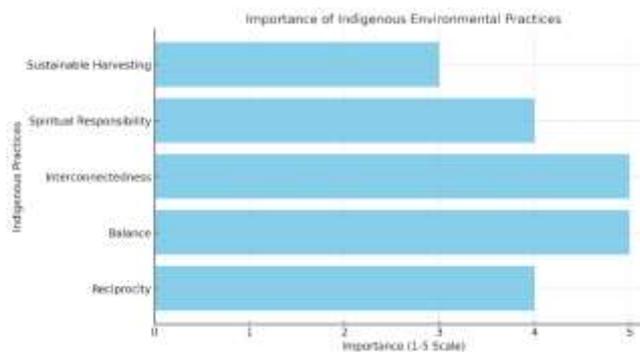


Figure 2. Importance of Indigenous Environmental Practices.

Table 1. Indigenous Environmental Practices.

Indigenous Practice	Description
Reciprocity	Humans as caretakers, not dominators of nature.
Balance	Maintaining ecological equilibrium through respectful relationships.
Interconnectedness	Humans are intrinsically connected with all life forms.
Spiritual Responsibility	Spiritual practices tied to environmental stewardship.
Sustainable Harvesting	Use of resources without depleting natural ecosystems.

Additionally, the study found that indigenous communities often engage in practices that express their ecological responsibility. These include rituals, ceremonies, and land care, which help maintain the balance between humans and the natural world. The concept of spiritual ecology underlines how such practices are embedded in the spiritual fabric of indigenous cultures, where environmental stewardship is both a cultural and spiritual duty. Indigenous knowledge systems present a model of ecological ethics that emphasizes mutual respect, sustainability, and a profound understanding of the interconnectedness of all life forms.

Discussion

One of the key challenges in integrating indigenous spiritual knowledge into modern environmental ethics is the issue of cultural appropriation and the loss of traditional knowledge. As indigenous practices gain recognition for their relevance in addressing modern environmental concerns, there is a growing risk of their exploitation and misrepresentation. The commodification of indigenous practices can lead to the dilution of their cultural and spiritual significance. It is crucial that indigenous knowledge is shared and integrated in ways that honor its cultural context, ensuring that communities retain ownership and agency over their practices. Failure to do so can result in the erosion of these traditions and further marginalize indigenous communities in the environmental decision-making process.

Another challenge discussed in the study is the difficulty in integrating indigenous spiritual cosmologies into Western frameworks of environmental ethics. Western environmental policies are often grounded in scientific rationality and anthropocentrism, which can marginalize the holistic and relational nature of indigenous worldviews. While Western ethics typically focus on resource management and conservation, indigenous worldviews offer a broader perspective that includes spiritual, cultural, and relational dimensions of human-nature interactions. Translating these principles into Western contexts, which prioritize economic and utilitarian concerns, presents significant challenges. The contrast between Western scientific approaches and indigenous spiritual practices often creates a gap that makes integration difficult, requiring a more inclusive and flexible approach to environmental governance.

Despite these challenges, the study suggests several strategies for respectfully integrating indigenous knowledge into global environmental ethics. One key approach is to prioritize community-driven models, where indigenous communities actively participate in environmental governance and policy development. This would ensure that indigenous voices are heard and that their knowledge systems are valued as equal partners in the decision-making process. Furthermore, there is a need for decolonizing frameworks in environmental resource management, where indigenous knowledge is recognized for its inherent value and relevance

to contemporary ecological challenges. By fostering mutual respect and collaboration, these strategies can create a more inclusive and effective global environmental ethic that draws on the strengths of both indigenous and Western perspectives.

5. Comparison

Indigenous and Western environmental ethics differ significantly in their philosophical foundations and approaches to environmental stewardship. Indigenous environmental ethics are deeply rooted in spiritual and cultural beliefs, emphasizing the interconnectedness of all living things and the sacredness of nature. These ethics are holistic, integrating spiritual, cultural, and ecological dimensions to guide human interactions with the environment. Indigenous knowledge systems prioritize reciprocity and respect, where the natural world is viewed as a living entity that requires care and balance. This worldview contrasts with Western environmental ethics, which are often based on scientific rationality and anthropocentrism. Western approaches typically focus on resource management and conservation, with an emphasis on sustainability, efficiency, and utilitarian goals. These ethical systems often view humans as separate from nature, focusing on human responsibility to manage natural resources for future generations.

In terms of methodology, indigenous environmental ethics rely heavily on experiential knowledge, oral traditions, and community-based practices. This knowledge is passed down through generations, often through stories, rituals, and ceremonies that reinforce a deep connection to the land and its ecosystems. Western environmental ethics, on the other hand, often use empirical research, scientific data, and policy frameworks to address environmental issues. These methods are rooted in a more formalized, academic understanding of the environment, relying on measurable outcomes and interventions. While indigenous practices are inherently local and context-specific, Western methodologies tend to be more generalized, focusing on global ecological issues and large-scale solutions.

Despite their differences, there are areas where indigenous spiritual knowledge and Western environmental ethics can complement each other, promoting more sustainable practices. One key area of complementarity is the shared emphasis on sustainability. Indigenous practices, grounded in reciprocity and respect for nature, can contribute valuable insights into long-term ecological balance and resilience. Meanwhile, Western environmental ethics, with their focus on scientific data and resource management, can provide the tools and frameworks for large-scale implementation of these practices. For example, integrating traditional ecological knowledge (TEK) into modern conservation efforts could enhance biodiversity management and climate change adaptation strategies. Indigenous knowledge of local ecosystems can inform sustainable farming, forest management, and water conservation practices that align with the scientific goals of Western environmental policies.

Furthermore, the incorporation of indigenous spiritual practices into Western environmental ethics can foster a deeper sense of responsibility and stewardship. By recognizing the spiritual and cultural significance of nature, Western environmental ethics could move beyond a purely utilitarian approach and embrace a more holistic understanding of the environment. This would include respecting sacred natural sites, acknowledging the intrinsic value of ecosystems, and integrating community-driven approaches to environmental governance. Such collaboration could create more inclusive, culturally sensitive policies that honor indigenous perspectives while addressing global environmental challenges. In this way, the two ethical systems can work together to promote sustainable practices that are both ecologically effective and culturally respectful.

6. Conclusion

The philosophical contributions of indigenous spiritual worldviews to global environmental ethics are profound, offering a holistic and interconnected perspective on the human-nature relationship. Indigenous spiritual knowledge emphasizes the sacredness of nature, advocating for reciprocity, respect, and balance between humans and the environment. This worldview challenges the often anthropocentric and utilitarian approaches of Western environmental ethics, providing a deeper ethical foundation for ecological stewardship. Indigenous perspectives, rooted in spiritual cosmology and traditional ecological knowledge, offer essential insights into sustainable living practices, emphasizing long-term sustainability and cultural responsibility.

The integration of indigenous knowledge into global environmental ethics has the potential to significantly impact sustainable environmental practices and policies. By

incorporating indigenous spiritual and ecological principles, environmental governance can move towards more inclusive, community-driven approaches that prioritize ecological balance and respect for sacred natural sites. The emphasis on reciprocity and interconnectedness in indigenous worldviews can inform sustainable resource management, climate change adaptation, and biodiversity conservation strategies. This integration promotes environmental stewardship that not only considers ecological outcomes but also honors cultural values and traditional knowledge, creating policies that are both ecologically effective and socially inclusive.

Future research should focus on the practical integration of indigenous spiritual and ecological principles into modern environmental discourse. This includes exploring ways to bridge the gap between indigenous and Western environmental ethics, creating frameworks that respect both cultural and scientific knowledge. Further studies should examine the challenges and opportunities of incorporating indigenous knowledge into environmental policies, addressing issues such as cultural appropriation, the preservation of traditional knowledge, and the decolonization of environmental governance. Additionally, research could explore the potential for cross-cultural collaborations between indigenous communities, policymakers, and environmental organizations to develop sustainable solutions that honor indigenous contributions to global ecological strategies.

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