Review Article

Climate Migration and the Remaking of Community: A Sociological Perspective

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Abstract: Climate migration, often approached through the lenses of security, policy or environmental science, demands a deeper sociological examination of its core human dimension: the profound transformation of community. This paper explores forced displacement due to climatic and environmental disruptions not merely as a demographic shift, but as a fundamental social process that simultaneously unravels and reweaves the fabric of collective life. From a sociological perspective, the phenomenon is a powerful lens for understanding how communities are constituted, maintained and reconfigured under extreme duress. The departure from ancestral lands represents more than a physical relocation; it is a severing of place-based attachments, ecological knowledge systems and the shared histories that underpin collective identity. This dissolution generates a unique form of collective trauma, marked by the loss of social cohesion, cultural continuity and the erosion of traditional institutions that once provided stability and meaning. Migrants engage in active world-building, forging new networks of solidarity and support which often manifest as translocal communities, which sustain vital connections to homelands while negotiating belonging in new, sometimes hostile, environments. In both urban and rural reception areas, the arrival of climate migrants can catalyze complex social reconfigurations, testing existing community boundaries, resources and notions of membership. These interactions may spark conflict over scarce resources but can also stimulate innovative forms of cooperation and cultural hybridity. The remaking is thus characterized by tension between loss and innovation, between the preservation of identity and the necessity of adaptation. Thus, understanding these dual processes of unmaking and remaking is crucial for developing responses that are socially sustainable, ethically grounded and attuned to the human capacity for regeneration amidst crisis.
Keywords: Climate Migration, Community Remaking, Translocalism, Sociological Adaptation.

INTRODUCTION

In the twenty-first century, environmental change has emerged as a powerful force reshaping global settlement patterns and community structures. Climate change, manifested through prolonged catastrophic events increasingly displaces populations from ancestral lands, triggering complex processes of community dissolution and reformation (IPCC, 2014). Unlike conventional migration driven by economic opportunity or political persecution, climate-induced mobility operates within distinct social and ecological contexts where entire communities face simultaneous displacement. This phenomenon demands a sociological perspective that moves beyond simplistic push-pull frameworks to examine how vulnerability, adaptive capacity and social relationships fundamentally restructure the meaning of community itself. The remaking of community through climate migration reveals not merely movement of people across space, but transformation of social bonds, identity formations, cultural transmission and belonging itself (Gesing *et al.,* 2014). Understanding this process requires interrogating how households make migration decisions within constrained circumstances, how social networks sustain or fracture during displacement and how displaced communities reconstruct meaning and identity in unfamiliar contexts. This paper explores forced displacement due to climatic and environmental disruptions not merely as a demographic shift, but as a fundamental social process that simultaneously unravels and reweaves the fabric of collective life.

Social foundations of climate migration

Climate migration cannot be adequately understood as a direct, mechanical response to environmental stress. Rather, it emerges through the complex interaction of environmental exposures with socioeconomic vulnerability, household resources and adaptive capacity (Gemenne *et al.,* 2014). Vulnerability, as defined within climate change scholarship, comprises three interdependent dimensions: exposure to environmental hazards, sensitivity of human systems to those hazards and adaptive capacity - the ability of individuals, households, and communities to adjust to adverse impacts (Moss *et al.,* 2001). These dimensions are not equally distributed across populations. Rural

households dependent on rain-fed agriculture in semiarid regions experience far greater exposure to rainfall variability than urban populations with diversified income sources. Similarly, landlessness and poverty fundamentally limit adaptive capacity, leaving the poorest households most vulnerable despite contributing minimally to greenhouse gas emissions that drive climate change.

The sociological significance of vulnerability lies in its fundamentally social character. Vulnerability is not simply an environmental property but a condition structured by historical inequalities, power relations, land tenure systems and access to resources and information (Leichenko and Silva, 2014). A household's adaptive capacity depends upon assets both material (land, savings, livestock) and social (networks, education, institutional access) that are themselves products of prior social hierarchies. Thus, climate migration does not affect all members of a community equally. Age, gender, education, wealth and land ownership decisively shape who migrates, where they migrate and whether migration represents adaptive opportunity or distressed displacement.

Striking patterns in how households deploy migration as one adaptation strategy among several alternatives are well reported across diverse ecological contexts (Janssen *et al.,* 2006; Eriksen and Brown, 2011). When facing rainfall variability that threatens agricultural production, households do not immediately migrate. Instead, they first attempt local adaptations: shifting crop varieties, altering planting dates, diversifying livelihood activities, reducing food consumption or selling assets. Migration enters household deliberation only when these *in situ* adaptations prove inadequate or impossible. This sequential decision-making reflects the profound costs of migration not merely financial, but social and psychological. Migration severs households from established social networks, cultural practices, land inheritance and community standing. Even when migration occurs, households typically send individual members rather than entire families, allowing those who remain to maintain household labour, protect assets and preserve social position in their origin community.

The distinction between "content" and "erosive" migration illuminates how vulnerability transforms migration outcomes (Warner and Afifi, 2014). Content migration, pursued by relatively resilient households with diversified assets and livelihood options, represents a strategic choice that enhances household adaptive capacity. Remittances from successful migrants sustain origin households through climatic stress while diversifying livelihood income, reduce pressure on local resources and invest in education that increases future earning capacity. Such households possess the social capital extended networks, access to information, cultural familiarity with destination areas, that facilitates successful integration and employment in receiving communities. For vulnerable households, by contrast, migration becomes erosive adaptation: a last resort pursued after local adaptation options are exhausted, often financed through exploitative loans, undertaken with minimal information or social connections and resulting in unsuccessful employment, family separation and deepened poverty. These households often return to origin communities unable to repay migration debts, their underlying vulnerability actually increased rather than diminished. The difference between successful and failed migration often rests upon pre-existing social capital and adaptive capacity, the very resources that climate vulnerability erodes.

The geometry of mobility

Understanding climate migration requires centering household decision-making as a social process embedded within kinship networks, community relationships and cultural meanings of place and mobility. Migration decisions are made collectively by household members weighing multiple objectives: minimizing food insecurity, maintaining social standing, preserving landholdings, sustaining children's education and honouring cultural attachments to ancestral territory. The household itself is a contested arena where household heads may prioritize different goals than younger members, where gender relations shape mobility options and where dependents constrain mobility choices even when migration might improve outcomes for working-age members.

Social networks constitute the critical infrastructure enabling climate migration. Migrants overwhelmingly move to destinations where family members, kin, or community members have previously settled, creating chain migration patterns that strengthen over time. These networks reduce migration costs through providing information about employment, housing and legal requirements; offering initial shelter and subsistence; facilitating entry into local labour markets; and maintaining psychological support during the difficult transition to unfamiliar environments. Social capital distributed within extended kinship networks and community organizations thus becomes a crucial adaptive resource during climatic stress. Households with extensive networks can mobilize these connections rapidly during crises. By contrast, households with limited social capital, geographically isolated populations and those living in regions with weak institutional development face migration as a far riskier undertaking with uncertain outcomes.

Yet social networks function ambivalently within climate migration contexts. Networks that facilitate migration simultaneously extract costs from those who remain behind. When young adult household members migrate, agricultural labour capacity is reduced, potentially worsening the production outcomes that prompted migration in the first place. Female-

headed households face particular vulnerability, as they typically control fewer productive assets, access fewer extension services and bear primary responsibility for children and elderly dependents while reducing household labour. Extended family networks that provide mutual aid in normal times may themselves be stressed beyond capacity when entire regions experience synchronized climatic shocks that simultaneously impoverish multiple households. Communities experiencing widespread rainfall failure or flooding cannot provide reciprocal support to all affected households; traditional mechanisms of mutual aid and obligation become impossible to sustain when crisis is generalized rather than idiosyncratic.

The social fabric under climate stress

Climate-induced displacement disrupts communities not as metaphor but as material reality. Communities constitute the fundamental social unit within which individuals find meaning, security and belonging. When climate hazards force significant portions of a community's population to migrate, the social fabric sustains profound damage (McBean and Ajibade, 2009). Established patterns of labour cooperation, resource-sharing and mutual obligation cannot be maintained when key household members are absent, often for extended periods or permanently. Decision-making institutions like village councils, religious organizations, agricultural associations lose participants and legitimacy when portions of the constituency have migrated. Intergenerational transmission of knowledge breaks down when younger members migrate, severing the connection between elders and youth that typically conveys agricultural techniques, cultural practices, languages and historical memory (McFadden *et al.,* 2014).

The loss of place-based identity constitutes perhaps the most profound but least quantifiable impact of climate-induced displacement. Individuals are born into communities, grow up navigating specific terrain, establish social relationships within bounded space and develop deep attachments to particular sites laden with personal and collective memory. Ancestral lands often carry spiritual and ritual significance beyond economic utility. For indigenous communities and traditional societies, territorial connection frequently encompasses not merely land as resource but land as kin. Climate displacement severs these embodied, emotional and spiritual attachments, often irreparably. Individuals displaced from anacestoral landscapes experience "solastalgia" - a particular form of grief arising not from nostalgia for a lost past but from witnessing one's homeland undergoing irreversible transformation while still physically existing (Albrecht *et al.,* 2007). This psychosocial dimension of displacement shapes mental health, social relationships and sense of future possibilities in ways that economic measures of migration success completely obscure.

Climate migration also fractures the social infrastructure through which communities reproduce themselves. Schools, health clinics, markets, religious institutions and gathering places constitute the institutional scaffolding of community life. When populations migrate, many such institutions become unviable, further accelerating outmigration and community collapse. Markets contract, reducing opportunities for agricultural commercialization and exchange. Religious institutions struggle to maintain ceremonies and practices requiring critical masses of practitioners. Over time, communities transform from viable, dense social networks into dispersed, attenuated settlements where remaining residents persist in landscapes increasingly denuded of social infrastructure. This process of community dissolution occurs gradually and unevenly, with some households absorbing losses while others give way; the cumulative effect is nonetheless thoroughgoing social transformation (Waldinger and Fankhauser, 2015).

Community reconstruction and the emergence of diasporic networks

Yet community does not simply disappear through migration. Rather, migration triggers the emergence of new community forms that reorganize social relationships across space, often in transnational configurations connecting migrants with origin communities through remittance flows, communication networks, and reciprocal obligations (Schuerkens, 2005). Displaced communities frequently establish diaspora networks that maintain collective identity, reproduce cultural practices, and sustain economic relationships with origin areas (IPCC, 2014). These networks exhibit remarkable durability despite dispersed geographic locations, enduring through shared language, cuisine, religious practice, cultural celebration and narratives of homeland loss. Diaspora communities create institutions that reproduce community among the geographically scattered while simultaneously facilitating integration into host societies.

The reconstruction of community through diaspora networks operates through both maintaining tradition and adapting to new contexts. Migrants recreate cultural practices in new settings, often modifying them to fit transformed circumstances and incorporating elements from host cultures. These hybridized practices perform crucial psychological and social functions, affirming cultural continuity while acknowledging new realities. Diaspora communities frequently become more consciously cultural than origin communities; the distinctiveness of cultural practices becomes salient and intentionally performed once removed from the territorial contexts that naturalized them. Language preservation efforts, cultural festivals and deliberate transmission of history to younger generations reflect the diasporic consciousness that displacement can sharpen. However, when migrants are unable to find stable employment or sustained income, the resulting failure

creates not merely individual hardship but community crisis, as anticipated remittances fail to materialize and origin households collapse into acute poverty.

The gendered remaking of community

Climate migration transforms gender relations and community structures in ways that deserve particular attention. The feminization of agriculture resulting from male migration increases women's workload at precisely the moment when rainfall stress reduces yields. Women-headed households, already disadvantaged in accessing credit, extension services and productive resources, experience worsened vulnerabilities as household labour capacity declines. Yet female migration itself carries distinctive risks and barriers. Social norms restricting female mobility, risks of sexual harassment and exploitation in migration contexts and expectations that women remain to maintain household and childcare responsibilities limit female migration options even when women possess equally strong motivations to migrate. Household migration decisions thus encode and reproduce gender hierarchies, often intensifying women's vulnerability in origin communities while simultaneously constraining migration as adaptation strategy.

Community institutions governing property, inheritance and authority frequently marginalize women, particularly under climate stress (Twyman *et al.,* 2014). Customary tenure systems that recognize women's usufruct rights to land for agriculture may be displaced by attempts to consolidate or commercialize land as drought stresses traditional economies. Women's organizations and collective institutions that emerged through development initiatives may collapse as male members migrate, leaving women to manage increasingly burdensome productive and reproductive labour. Cultural practices that accorded particular authority to elder women or recognized female ceremonial specialists may be disrupted when intergenerational transmission breaks down through migration. Yet women also demonstrate remarkable agency in adapting community institutions, creating new organizations, and developing livelihood strategies that sustain origin communities during and after male-led migration phases (Giovanna *et al.,* 2014).

The question of "Trapped Populations" and adaptation limits

Not all climate-vulnerable populations migrate where most households adapt in place, even when facing severe environmental stress. Explanations for non-migration illuminate the limits of migration as adaptation and reveal the deepest vulnerabilities. "Trapped populations" households unable to migrate despite deteriorating environmental conditions typically lack the economic resources for migration costs, possess insufficient social capital to access destination information and opportunity, care for dependents that complicate mobility or harbour psychological attachments to place that override material incentives to migrate (Black and Collyer, 2014). Poverty operates as a particularly powerful barrier to migration; households lacking savings cannot finance the initial costs of movement, family establishment in new locations or the period between arrival and obtaining employment. This paradox, that the most vulnerable are simultaneously most trapped reveals how climate migration can intensify inequality rather than reducing it (Abebe, 2014). While wealthier households possess options for voluntary, planned relocation that preserves assets and social standing, the poorest remain in deteriorating environments, their adaptive capacity progressively eroded through successive environmental shocks.

Intergenerational poverty and eroded assets cumulate effects of adaptation failures. When erosive migration exhausts households of remaining resources, subsequent migration becomes impossible. When land degradation reduces agricultural productivity beneath subsistence, households cannot rebuild asset bases. When climatic volatility becomes chronic rather than episodic, the recovery periods that traditional adaptation strategies required disappear. Households and communities initially possessing moderate adaptive capacity can thus find themselves trapped through cumulative impacts of successive droughts, floods or other climate-related stresses. Trapped populations represent not merely failures of individual adaptation but indictments of global systems that concentrate climate vulnerability among populations least responsible for causing climate change, while concentrating resources for adaptation among wealthy nations and privileged classes within developing nations.

Sociological implications and the politics of climate displacement

Understanding climate migration through a sociological lens reveals that displacement operates as fundamentally political process, not merely environmental tragedy. Climate change does not create migration uniformly; it selectively activates pre-existing vulnerabilities shaped by colonialism, inequality and dispossession. Communities dependent on rain-fed agriculture for subsistence face far greater climate impacts than diversified economies of wealthy nations. Indigenous communities and traditional societies, already marginalized within nation-states and often possessing communal rather than individual land tenure, face displacement that simultaneously dispossesses them of territories, cultural practices and collective identities. Women, ethnic minorities and lower castes experience climate vulnerability through pre-existing hierarchies that limit their adaptive capacity and migration options (Khadka *et al.,* 2014).

The sociological study of climate migration also reveals how national and international governance structures shape adaptation and displacement outcomes. National governments control property rights, define

citizenship and refugee status, regulate labour markets and allocate resources for disaster response and adaptation. Current international law provides no recognition or protection for "climate refugees," who fall outside conventions protecting refugees from political persecution (Lister, 2014). This legal vacuum means that climate-displaced persons are rendered invisible within international humanitarian systems and lack collective voice in processes allocating adaptation resources. Migration policies restricting entry of workers from developing nations effectively remove migration as viable adaptation option for populations facing severe climate stress, leaving them trapped in deteriorating environments. Conversely, policies that recognize climate-displaced persons as possessing legitimate claims on receiving communities' resources and institutions could facilitate adaptive migration while distributing burdens of climate change more equitably across global populations.

CONCLUSION

Climate migration fundamentally remakes community by dissolving established social formations while catalyzing emergence of new diasporic networks, transformed gender relations and hybrid cultural identities. This process is neither uniformly negative nor automatically adaptive; outcomes depend upon material resources, social capital, institutional contexts and the presence or absence of policy support for migration as adaptation. Resilient households with diversified assets and extensive social networks can mobilize migration as strategic adaptation that enhances household welfare while enabling sending communities to sustain themselves through remittances. Vulnerable households and communities, by contrast, experience migration as forced displacement, erosive adaptation that deepens poverty, fractures social bonds and often fails to improve outcomes that motivated movement in the first place. The sociological perspective reveals that climate migration cannot be adequately addressed through technocratic adaptation schemes or migration management frameworks that treat people as abstract units to be counted and managed. Climate migration is fundamentally about community, about the thousands of years of human experience compressed into particular landscapes, embodied in social relationships, encoded in languages and cultural practices that become vulnerable to erasure. Addressing climate migration equitably requires simultaneously addressing the underlying vulnerabilities that shape differential impacts and adaptive options: reducing poverty, securing land tenure for marginalized populations, investing in education and livelihood diversification, building institutional capacity in vulnerable regions and recognizing the validity of climate-displaced persons' claims on receiving communities and international institutions. Climate migration will intensify in coming decades as environmental impacts of climate change intensify. The remaking of community through migration presents both profound challenges to human dignity and potential opportunities for building more equitable, inclusive communities that recognize climate displacement as justice issue. Sociological attention to the social, cultural and political dimensions of climate migration reveals the deep human stakes of climate change and the necessity of transforming global responses to this defining challenge of the twenty-first century.

REFERENCES

- Abebe, M.A. 2014. Climate Change, Gender Inequality and Migration in East Africa. Wash. J. Envtl. L. & Pol'y. 4(1):104-140.
- Albrecht, G., Sartore, G.M., Connor, L., Higginbotham, N., Freeman, S., Kelly, B., Stain, H., Tonna, A., Pollard, G. 2007. Solastalgia: the distress caused by environmental change. Australas Psychiatry. 15 Suppl 1:S95-98.
- Black, R. and Collyer, M. 2014. Populations 'trapped' at times of crisis. Forced Migration Review. 45:52-56.
- Eriksen, S. and Brown, K. 2011. Sustainable adaptation to climate change. Clim. Dev. 3:3-6.
- Gemenne, F., Brücker, P., Ionesco, D. (Eds.). 2014. The State of Environmental Migration 2014: A Review of 2013. European Corporation of Science and Technology (COST) and International Organization for Migration (IOM).
- Gesing, F., Herbeck, J., Klepp, S. 2014. Denaturalizing Climate Change: Migration, Mobilities and space. Artec--Paper Nr. 200. University of Bremen, Germany.
- Giovanna, G., Khan, T., Bisht, S., Scheffran, J. 2014. Migration as an Adaptation Strategy and its Gendered Implications: A Case Study From the Upper Indus Basin. Mountain Research and Development. 34(3):255-265.
- IPCC. 2014. Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Field, C.B., V.R. Barros, D.J. Dokken, K.J. Mach, M.D. Mastrandrea, T.E. Bilir, M. Chatterjee, K.L. Ebi, Y.O. Estrada, R.C. Genova, B. Girma, E.S. Kissel, A.N. Levy, S. MacCracken, P.R. Mastrandrea, and L.L.White (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- IPCC. 2014. Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland.
- Janssen, M.A., Schoon, M.L., Ke, W. and Börner, K. 2006. Scholarly networks on resilience, vulnerability, and adaptation within the human dimensions of global environmental change. Glob. Environ. Chang. 16:240-252.

- Khadka, M., Rasul, G., Bennett, L., Wahid, S. and Gerlitz, J-Y. 2014. Gender and Social Equity in Climate Change Adaptation in the Koshi Basin: An Analysis for Action. Handbook of Climate Change Adaptation. Springer-Verlag Berlin Heidelberg. DOI 10.1007/978-3-642-40455-9_78-1 # 2014.
- Leichenko, R. and Silva, J.A. 2014. Climate change and poverty: vulnerability, impacts, and alleviation strategies. WIREs Climate Change. 5(4): 539-556.
- Lister, M.J. 2014. Climate Change Refugees. 17 Critical Review of International Social and Political Philosophy. 619. https://ssrn.com/abstract=2402033.
- McBean, G. and Ajibade, I. 2009. Climate change, related hazards and human settlements. Current Opinion in Environmental Sustainability. 1(2):179-186.
- McFadden, A., Atkin, K., Renfrew, M.J. 2014. The impact of transnational migration on intergenerational transmission of knowledge and practice related to breast feeding. Midwifery. 30(4):439-46.
- Moss, R.H., Brenkert, A.L., Malone, E.L. 2001. Vulnerability To Climate Change A Quantitative Approach. Prepared for the U.S. Department of Energy Under Contract DE-AC06-76RLO 1830.
- Schuerkens, U. 2005. Transnational Migrations and Social Transformations: A Theoretical Perspective. Current Sociology. 53(4):535-553.
- Twyman, J., Green, M., Bernier, Q., Kristjanson, P., Russo, S., Tall, A., Ampaire, E., Nyasimi, M., Mango, J., McKune, S., Mwongera, C., Ndourba, Y. 2014. Adaptation Actions in Africa: Evidence that Gender Matters. Copenhagen: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). https://cgspace.cgiar.org/bitstream/handle/10568/51391/WP83.pdf.
- Waldinger, M. and Fankhauser, S. 2015. Climate change and migration in developing countries: evidence and implications for PRISE countries. Pathways to Resilience in Semi-arid Economies (PRISE) project. Policy paper - ESRC Centre for Climate Change Economics and Policy Grantham Research Institute on Climate Change and the Environment.
- Warner, K. and Afifi, T. 2014. Where the rain falls: Evidence from 8 countries on how vulnerable households use migration to manage the risk of rainfall variability and food insecurity. Climate and Development. 6(1):01-17. https://doi.org/10.1080/17565529.2013.835707.