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Title: Policy insights on the migration-sustainability nexus for urban governance.

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**Non-Technical Summary:**

Cities typically treat migration and sustainability as separate policy domains. When migration is highlighted in the context of sustainability in urban destination areas, it is typically understood to have no, or at worst, negative impacts on sustainability. As a result, migration and migrants are commonly left out of sustainability policy and planning. Here, we present emerging evidence to reframe the debate, demonstrating that migration is a force for sustainable development and that migrants can be sustainability actors in urban environments. We point to key action points for cities to better address the migration-sustainability nexus and harness this potential.

**Technical Summary:**

For long, migration has been recognised in literature as a force for societal transformations. Yet, mainstream policies dealing with sustainability generally downplay the role of migration. The Sustainable Development Goals, for example, frames migration as a temporary phenomenon needing management rather than as an integral part of sustainable development. As a result, cities generally overlook broader perspectives on migration and transformation in their sustainability strategies. Here, we present key policy insights building on an emerging field of research exploring the migration-sustainability nexus in urban governance. We focus specifically on the city scale, recognising that cities are situated at the crossroads of migration and

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sustainability challenges and opportunities, bringing new possibilities to address current sustainability challenges. For example, migrants interact with their destination areas through influencing consumption behaviour and resource conservation and migration contributes to sustainable development through the potential of enhancing wellbeing of residents. There is thus an urgent opportunity to address policy gaps to embrace the potentially transformative role of migration for sustainability transitions. We present critical action points to incorporate new insights into policymaking, emphasising integrated, coordinated and reflexive approaches across all levels of governance.

### **Social Media Summary:**

Migration drives sustainable development. We show how urban governance can seize opportunities for transformation.

## **1.0 Identifying the migration-sustainability nexus in cities.**

Migration<sup>10</sup> represents an opportunity for transformations towards global sustainability<sup>11</sup> in an era of global environmental change. The transformations that migration brings to sustainability, through the flows of ideas, remittances, and people between places of origin and destination, have long been acknowledged in the migration literature (Mabogunje, 1970; Zelinsky, 1971; Levitt, 1998; Black et al., 2011; De Haas, 2007). However, this knowledge is not fully recognised in mainstream policy on sustainability. In Agenda 2030 for example, migration-related indicators and targets emphasise the eradication of trafficking (16.2) and the protection of labour rights (8.8). When migration is framed in a positive sense, as in Sustainable Development Goals (SDGs) 10 and 17, it is primarily in terms of migration's contribution to development in origin areas through the generation of financial remittances. Along similar lines, climate change policies increasingly recognise migration as an adaptation strategy in origin areas (Black et al., 2011; De Haas, 2007). At present, policies dealing with sustainability tend to downplay, or even disregard the real and potential positive contributions of migration to sustainability in destination areas. The SDGs present a static view of societies, framing migration as a temporary phenomenon needing management rather than as an integral part of sustainable development (Adger et al., 2019). As a result, cities incorporating the

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<sup>10</sup> In this piece, we use empirical examples that may define and operationalize migration and migrants differently. Thus, drawing inspiration from the IOM definition (2019) of migration, we deploy migration and migrants as inclusive terms covering various migration pathways and statuses, including refugees. We distinguish between migration as the movement people undertake and migrants as those who have enacted that movement.

<sup>11</sup> Sustainability, understood here within the frames of sustainable development, entails the vision of 'enhancing well-being in ways that more equitably meet the needs of present and future generations' (Clark and Harley, 2020). According to Patterson, the term 'transformations towards sustainability' generally implies "fundamental changes in structural, functional, relational, and cognitive aspects of socio-technical-ecological systems that lead to new patterns of interactions and outcomes."

SDGs into their strategies may overlook broader perspectives on migration and transformation.

For both internal and international migrants, cities are the primary destinations and future projections show that movements to cities are only expected to increase (UN, 2023). Cities are thus constantly shaped and influenced by flows of people but also of ideas, practices and knowledge from diverse places. As the primary receivers of new populations, cities play a crucial role in shaping their integration and interaction with sustainability. At the same time, cities are at the centre of the unsustainability crisis, for example through increasing resource consumption driving environmental degradation (UN-Habitat, 2023) and through growing urban inequalities. Cities are thus situated at the crossroads of migration and sustainability challenges and opportunities, putting cities in a crucial position of action on transformative change towards sustainability (Gemenne et al., 2022). Despite this, SDG 11: Sustainable Cities and Communities makes no explicit reference to migration. In interviews with policymakers in cities in Europe and the US there was a persistent gap in knowledge about the ways in which migration shapes the conditions for sustainable development, particularly in terms of the benefits it brings to cities (Zickgraf et al., 2024).

Drawing from evidence from the fields of political science, migration, sociology, demography, economics and human geography we present six key insights that contribute to, firstly, reframing the debate on the migration-sustainability nexus (1 and 2), and secondly, incorporating migrant and migration considerations into sustainability governance (3 through 6). We present how migrants and migration interact with sustainability in destination cities with multiple unrecognised benefits, pointing towards opportunities for migrants and migration to take a different position in sustainability policy. Our findings show that there is good reason to recognise migration as a force for sustainability that justifies its integration into urban sustainability policy.

## **2.0 Reframing the debate.**

### **Insight 1: Migration is a force for sustainable development.**

Migration has the potential to contribute to sustainable development through the benefits it brings to cities and the people that live within them. It is thus of critical consideration for cities striving to reach the Sustainable Development Goals (SDGs). Typically, when migration is considered as positive for destinations, it is framed from a utilitarian perspective in terms of economic and demographic benefits, with migrants filling labour shortages and covering social security gaps. For example, migration is recognised as vital to economic progress for countries at all levels of income (World Bank, 2023). However, economic growth alone does not translate to sustainable development which is about enhancing well-being in ways that more equitably meet the needs of present and future generations (Clark and Harley, 2020).

Migration, though, also holds the potential to improve aspects of well-being. For example, people move to cities specifically to improve their material well-being, pursuing economic and educational opportunities (Gavonel et al., 2021). Other migrants move to cities to provide care, bringing caregiving practices and values from their places of origin that enhance receivers' caring experiences (Datta et al., 2010). Thus, migration feeds into progress towards Goal 3: Good Health and Well-being but also Goal 1: No Poverty, Goal 10: Equality, and Goal 4: Education. At the same time, while migration to urban areas often improves material well-being, survey data from developing countries suggest that subjective well-being doesn't always align with these gains (Szaboova et al., 2021). Migrants in both the Global South and North frequently report social exclusion due to isolation and discrimination. (Fozdar and Torezani, 2008; Jones, 2013; El Khouri, 2024). The success of migration for improving individual-level wellbeing will thus depend on different individual trajectories and other factors as we discuss in insights 3-6.

Migration as a force for sustainable development is not only significant at the individual level. As Castles (2012) argues, migration influences economic, social and cultural dynamics in both origin and destination areas making it a significant factor in social transformations. In the context of sustainable development, migration facilitates flows of ideas, knowledge, and skills that can promote innovation necessary for the achievement of the SDGs. This could for example manifest as everyday practices of using and conserving resources, as we elaborate on in Insight 2, and be an important contributor to Goal 12: Responsible Consumption and Production. Thus, whilst migration to cities has raised concerns about increasing unsustainable resource consumption, migration can also facilitate flows of practices and knowledge about sustainability that may hold new solutions to those very challenges.

Certainly, the overall effects of migration on destination areas depend on the size, composition and nature of migration flows; the specific context from which migrants are drawn, and the timing of migration (Gavonel et al., 2021). This must be considered in any assessment of the relative impacts of migration on destination areas, since migrants may also come from countries of higher consumption than the destination. Nonetheless, as we argue here, cities that incorporate an understanding of these aspects of mobility in their planning will likely contribute more successfully to sustainable development.

## **Insight 2: Migrants are sustainability actors.**

Transformative pathways towards sustainability call for the participation of all groups of society and requires drawing on diverse knowledges (Scoones et al., 2020). Current discourses risk devaluing migrants' contributions to sustainability by omission but also by misconception: studies from across the Global North and South show that when migrants are considered within sustainability thinking, it is often assumed that they

interact with sustainability in negative ways, for example through placing demand on public services, disrupting social cohesion, increasing crime rates, or as not understanding enough about sustainability (Siddiqui et al. 2017; Fry et al., 2024). This risks misrepresenting behaviours, values and agency of increasingly diverse urban populations who have migrated from other parts of the world or even from other areas within the same country.

To uncover the multitude of ways in which migrants are (positive) sustainability actors, we draw from work on “actually existing sustainabilities” which illuminates actions that, while not explicitly linked to sustainable development goals, possess the capacity to fulfill them (Krueger and Agyeman, 2005), including for example unintentional everyday habits informed by cultural norms and values in areas of origin.

Head et al., (2020) show that ethnic minority migrants living in Australia wish to continue food growing practices based on experiences and cultural norms of small-scale farming in the countries that they come from. Recent evidence from Accra, Ghana shows that sustainability practices established before migration are predictors of current practices including proactive recycling, conservation activities, and choice of mode of transportation (Abu et al., 2024), critical to achieve Goal 12. Evidence from Brussels further demonstrates that migrants apply pressure to local governments to improve their sustainability practices and programmes, for example by requesting more cycling paths, community gardens, and green spaces based on the comparisons they make with their place(s) of origin or previous residence (Zickgraf et al., 2024), feeding into progress towards Goal 11.

Migrants’ sustainability practices, in their diversity, thus bring specific contributions to sustainability because they build on experiences in the places people migrate from, including cultural norms, habits, and values (Head et al., 2020), that have transformative potential in the places that they move to. In this sense, sustainability practices are not just individual behaviours but are immersed in multiple places, materials and infrastructures that are part of everyday life (Head et al., 2020). Transformative approaches to sustainability would come about valuing and better understanding the knowledge, skills, and values brought by migrants to destinations.

### **3.0 Action points.**

#### **Insight 3: Cities should embrace and enable migrant voices.**

The transformative potential of migration and migrants is undermined by policy processes that narrowly frame migrants or ignore them entirely. For example, in Amsterdam, sustainability programmes tend to narrowly target migrants through job schemes and language courses (MISTY, 2021). In Bangladesh, policy discourses frame migrants as problematic causes of insecurity and thus exclude them from policy processes (Siddiqui et al., 2020). Restricting the access of city residents of migrant

backgrounds to spaces of sustainable planning is against the best interests of sustainability transformations.

For cities to fully reap the benefits of a rich and diverse population, officials should focus on fostering the "agency, values and capacities necessary to manage uncertainty, act collectively, identify and enact pathways to desired futures" (Scoones et al., 2020). Supporting migrants' participation in local democracy through advisory boards, encouraging entrepreneurship, or supporting involvement in sustainability initiatives like urban gardening were identified by city policymakers in Europe as important action points (Zickgraf et al., 2024). In Chattogram, Bangladesh experiments in deliberative democracy for urban planning have proven to be successful in integrating perspectives of new migrants of all genders, age groups, abilities, and residential locations to find new solutions to urban precarity. Voices articulated by new migrants are incorporated into the National Action Plan on climate induced internal displacement, 2022-2042 (GoB 2022a).

City actions that enable and embrace migrants' voices ensure a more inclusive sustainable future that reflects all urban residents. Further, they support progress towards several sustainable development goals including 16: Peace, Justice and Strong Institutions (Target 16.7: ensure responsive, inclusive, participatory and representative decision-making at all levels and Target 16.B: Promote and enforce non-discriminatory laws and policies for sustainable development) and 11 (Target 11.3: enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries).

#### **Insight 4: Reducing structural inequalities facilitates sustainable development.**

Embracing migrant voices must be accompanied by structural change. Many cities are characterised by precarity and inequality undermining social processes that would enable migrants to act on sustainability (Adger et al., 2020; Jolivet et al., 2023; O'Dell, Fransen and Jolivet, 2023; Abu et al., 2024). In Accra, for example, migrants are exposed to social, economic, and environmental conditions, including poor infrastructure, that drive them into unsustainable practices to survive (Abu et al., 2024).

While not all migrants or newcomers to a city are disadvantaged, addressing sources and drivers of precarity, cumulative deprivation, urban poverty and social exclusion among marginalised migrant populations in urban spaces is taking a step to make cities sustainable for all (Siddiqui et al., 2020; Abu et al., 2024). For example, targeted interventions to support secure employment and increase accessibility to social security programs were identified as important initiatives to foster resilience of Amsterdam residents with migration backgrounds during the Covid-19 pandemic (O'Dell et al., 2023).

For cities with diverse migrant populations, it may be preferable to employ an intersectional approach rather than assuming one label for all migrants or 'migrant-specific' interventions (Zickgraf et al., 2024). The 2021 Environmental Justice Policy in Worcester, US could serve as inspiration for other cities reinforcing that "all communities must have a strong voice in environmental decision-making regardless of race, colour, national origin, income, or language proficiency". This is an effective way of addressing sources of disadvantage amongst diverse migrant groups. These measures are also likely to have cumulative effects on feeding into progress towards SDG 1: No Poverty (Target 1.B: Create sound policy frameworks at the national, regional and international levels, based on pro-poor and gender-sensitive development strategies) and 10: Reduced Inequalities.

### **Insight 5: Governance requires systemic change.**

To harness and embrace the power of migration and migrants for transformations towards sustainability, the systemic barriers that characterise many world cities must be dismantled. While cities are key sites for transformations towards sustainability, and, simultaneously, the main destination of internal and international migration flows, governance approaches remain heavily siloed into disparate and disconnected departments, ministries, and other administrative units. For example, interviews in Belgium, Sweden, the Netherlands and the United States revealed that there are often more gaps than overlaps between sustainability and migration governance, leading to either inaction, whereby neither party feels that the nexus of migration-sustainability falls within their mandate, or policy incoherence, whereby policy in one domain may hinder, counteract or undermine policy in another (Zickgraf et al., 2024). In Bangladesh, the issue of migration is fully absent in the context of urban programs on climate change adaptation in the National Adaptation Plan (GoB 2022b), representing a barrier to fully explore the transformative potential of migration.

To overcome inaction or incoherence that hinders just transitions towards more sustainable societies, it is necessary to overcome persistent mindsets that perceive migration to fall outside the realm of sustainability concerns (Zickgraf et al., 2024). For example, long-term collaborative initiatives between migrants, policy and civil society actors working at local, subnational and national level, within and beyond national borders, have the potential to facilitate innovative thinking and find synergies across horizontal and vertical levels. In Malmö, Sweden, collaborations between mosques and the local government already exist on social issues (Fry and Islar, 2021). Extending collaboration to address sustainability challenges more broadly, and connecting it to higher levels of governance, would enable more innovative thinking (Fry et al., 2024). Further, city-to-city dialogues and joint efforts by networks such as the C40 Cities Climate Leadership Group and the Mayors' Migration Council around urban climate

migration and displacement have already shown that cross-sectoral collaboration is both possible and beneficial (Zickgraf et al., 2024).

Further, opening for reflexive conversations and approaches on possibilities to bridge silos can itself be transformative in the sense that it prompts actors involved to find links between migration and aspects of sustainability that they may not previously have considered (Zickgraf et al., 2024).

### **Insight 6. Cities cannot do it alone.**

Transformations inclusive of migration and migrants are unlikely to come about themselves but require purposeful and strategic policy measures across levels of governance. Whilst cities are critical leaders for the migration-sustainability nexus, they cannot do this alone. The agency of cities can be facilitated or constrained by their national and global contexts. In some cases, city budgets and strategies are aligned with the SDGs. The framing of migration within Agenda 2030 as a temporary phenomenon in need of management rather than as an inherent part of sustainable development (Adger et al., 2019) could misdirect action at the city level, reinforcing assumptions that conflict with broader perspectives of migration and transformation.

Regional and national levels of governance may also constrain city level action on the migration-sustainability nexus. For example, in Bangladesh, Mayor's offices enjoy a limited legal power in many of the areas which are needed to contribute to creating sustainable cities inclusive of migrants. In the Global North, many nation-states are opting for ways to reduce inflows of international migrants, particularly of 'low-skilled' workers and asylum seekers who tend to be viewed as a problem in need of control (De Haas et al., 2019). Increased restrictiveness of national-scale migration policies jeopardises the transformative potential of migration and migrants at the city level. For example, restricted access to state-provided welfare, healthcare and education and unjust asylum and citizenship policy creates unfavourable conditions for political participation of migrants (Gavonel et al., 2021).

Hence, promoting pluralistic sustainability policy and recognising migrants as actors of sustainability in city destinations is only a partial solution. Vertical coordination, aligning local to global policies, represent critical action points to transformations. Governance should therefore seek to build migration infrastructure, meaning interlinked technologies, institutions and actors that facilitate mobility, as key enablers to realise the transformative potential of migration for sustainability (Gavonel et al., 2021).

## **4.0 Transformations at the migration-sustainability nexus.**

There is a case to reframe the debate on how migration and migrants interact with sustainability in destination areas in positive and transformative ways. Incorporating migration in policies for sustainable development would uphold the rights of migrants to

contribute towards sustainable development, it would better reflect the reality of a mobile world (Adger et al., 2019) and can also yield significant synergistic benefits. For example, action points to facilitate the transformative potential of migration and migrants are well aligned with strategies to achieve the SDGs. Transformations require participatory approaches that empower local residents, migrant or non-migrant, to inform decisions on urban sustainability policy so that they are aligned with the diverse lived experiences of residents. They also require profound structural and systemic changes. On this basis, we emphasise that cities cannot do it alone, but that transformations of the migration-sustainability nexus require integrated, coordinated and reflexive approaches across all levels of governance.

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### **Author Contributions:**

CF, CZ and EB coordinated the overall drafting of the article. CF and CZ wrote the main sections of the paper. MFG, SF, DJ, TS, WNA, MC, MA, SC, RSC contributed to the overall drafting of the article.

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### **Conflict of Interest:**

The authors declare no competing interests.

### **Research Transparency and Reproducibility:**

N/A

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