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The Homogenization of Urban Climate Action Discourses

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Abstract

The diversification of actors in global climate governance may entail risks, but it is also linked to enhanced democratic performance and opportunities for innovation. To what extent has this diversification fostered a parallel multiplication of perspectives in urban climate policy? To answer this question, we analyze the evolution of urban narratives based on 463 international policy documents issued between 1946 and 2020. Our analysis shows that, instead of leading to diversification, the proliferation of actors is accompanied by a growing homogenization of urban narratives. Language appears to become progressively uniform across organizations and over time, with approaches emphasizing multi-actor governance, integrated planning, and co-benefits becoming dominant. Three factors explain this homogenization. First, actors with a long history of involvement in international development exert a significant amount of influence. Second, there is a tendency toward language harmonization in international policy. Third, urban climate narratives stabilize through association with broader policy paradigms. In conclusion, the diversification of actors in international climate policy is mediated by processes of narrative alignment, which foreclose possibilities for divergent thinking.

Fragmentation, flexibility, and voluntary participation characterize the current phase of international climate politics, including the involvement of multiple groups beyond the state (Bäckstrand et al. 2017; Bodansky 2010). The diversification of actors in global climate governance has accelerated since the fifteenth Conference of Parties (COP15) in Copenhagen in 2009, where the collapse of international negotiations highlighted the need for alternative sources of action (Bäckstrand et al. 2017; Bäckstrand and Lövbrand 2015; Hoffmann 2011). The 2015 Paris Agreement further recognized and formalized the role played by nonstate actors in reaching global climate targets (Hale 2016).

The diversification of actors in global climate governance goes hand in hand with the rise of cities as sites of opportunity (Mi et al. 2019). The 2015 Paris Agreement engages with urban areas concerning vulnerabilities to climate

impacts and opportunities for sustainable development (Tollin and Hamhaber 2017). The Intergovernmental Panel on Climate Change (IPCC) presents cities as vulnerable locations and key sites for mitigation (Dodman et al., forthcoming; Lwasa et al., forthcoming). Within and beyond the United Nations Framework Convention on Climate Change (UNFCCC), cities advance the global climate agenda through transnational municipal climate networks (Kern and Bulkeley 2009). **Q1**

How does the diversification of actors shape international climate policy? On one hand, diversification entails risks. Opening global climate governance to new participants may generate uneven access to decision-making, co-optation by vested interests, and reproduction of global systems of domination (Andonova and Levy 2003; Bulkeley et al. 2014). Rather than granting access to all, diversification may cement established patterns of power. On the other hand, diversification is linked to progressive politics and renewal. The contribution of multiple actors may enhance democratic performance, particularly by building inclusive decision-making (Bäckstrand et al. 2017). This can shift policy conversations to address overlooked concerns (Kaleb et al. 2020) and empower marginalized groups (Thew et al. 2020). Pluralism in global governance, in particular, forms that enable civil society participation, is associated with similar advantages. This includes opportunities to align policy with social priorities, enhance the quality of negotiations, and support implementation (Kanie et al. 2019; Yeates 2002). In this vein, local governments frequently highlight their ability to nimbly adopt and implement climate solutions, thus contributing to higher ambition in international climate policy (Coalition for Urban Transitions 2021).

An increasing number of voices in international climate policy could be expected to generate a parallel diversification of ideas. However, research on the discourses that structure opportunities for action in global climate governance emphasizes stability and continuity over dynamism and change. The discourses that permeate the UNFCCC, for instance, not only adhere to a limited set of ideas but have done so for over a decade (Bäckstrand and Lövbrand 2006, 2019). This suggests that an increasingly diverse landscape of actors is not fostering an equally diverse landscape of narratives. This study engages with this apparent contradiction. The key question guiding our analysis is, How does the diversification of actors shape urban narratives in international climate policy?

Our analysis, which mobilizes a database of 463 international policy documents, reveals that policy narratives persist despite actors' efforts to challenge them. The analysis also suggests a complex interplay between actors and the narratives they promote, leading to the homogenization of discourses. We propose three explanations behind this phenomenon. First, the ability of actors to promote narratives is not equal but conditioned by their position in global governance arrangements. Second, narratives are inserted into a discursive field dictated by specific rules of expression. Third, perceptions of legitimacy and

normalcy are shaped by reigning policy paradigms, limiting the scope of demands that can be put on the table. All three dynamics prevent the development of diverging narratives within international climate policy, which may constrain the emergence of out-of-the-box ideas.

International Climate Policy: Stories of Diversity and Homogeneity

This study emerges in the boundary between two debates on diversity in climate governance. Studies with a focus on actors emphasize the multiplicity of voices that characterizes current climate policy. In contrast, research on discourses tends to highlight uniformity. This paradox inspired this study.

Actor Diversification

The international climate regime consists of "the body of international rules concerning climate change applicable to states and the institutions and procedures states have created to oversee their implementation, enforcement, and further development" (Yamin and Depledge 2004, 3). The UNFCCC, a multilateral treaty negotiated and signed in 1992 to prevent dangerous interference with the climate system, articulates the formal regime. The UNFCCC specifies that the parties to the agreement (i.e., nation-states) negotiate agreements through annual COPs. This means that parties are the main players in the international climate regime. Yet, the number and form of organizations participating at the COPs have grown dramatically. Formally, nine constituencies represent nonstate actors in the UNFCCC, one of which acts as the focal point for local government and municipal authorities (LGMA). UN agencies take part of side events at the COPs (e.g., United Nations Environment Programme [UNEP], United Nations Human Settlement Program [UN-Habitat], United Nations Office for Disaster Risk Reduction [UNDRR], World Health Organization [WHO]), as do major funding institutions (e.g., World Bank [WB], European Investment Bank [EIB]). International nongovernmental organizations (NGOs) and other organizations participate as observers, although representation remains contested and unequal (e.g., Kruse 2014).

Beyond the formal climate regime, multiple international organizations and networks shape global climate governance (Bäckstrand et al. 2017). Nonstate actors collaborate on climate issues across national boundaries in emerging forms of transnational climate governance (Bulkeley et al. 2014). Actors that populate transnational networks perform various functions, including advocacy, service provision, capacity building, and provision of funding (Bäckstrand 2008; Bulkeley et al. 2014). Through transnational municipal networks, local government authorities and their representatives attend international policy events, build and share expertise, promote tools, and shape norms (Betsill and Bulkeley 2004; Gordon 2020).

The participation of nonstate actors in global climate governance leads to dispersed forms of action (Bäckstrand and Lövbrand 2015). Without a central structuring force, there may be a lack of coordination to deliver targets (Chan et al. 2015). The proliferation of actors also prompts questions around democratic performance, including representation, transparency, and accountability (Bäckstrand 2008). For instance, the uneven geographical constitution of global governance conditions participation in transnational networks (Andonova and Levy 2003). Most networks are formed in the Global North, while organizations in the Middle East and North Africa, Oceania, and sub-Saharan Africa are underrepresented (Bulkeley et al. 2014).

Diversification is perceived to bring advantages. The participation of nonstate actors in international events, such as the COPs, can be understood as an indicator of input legitimacy (Bäckstrand et al. 2017; Thew et al. 2021). NGOs have put key themes on the agenda, such as Indigenous rights (Kaleb et al. 2020). Gaining political recognition for groups who do not feel represented, such as youth, is often equated to greater justice (Thew et al. 2020). Such an outlook on the democratization of global climate governance draws on preexisting ideas, such as the concept of a global civil society, which describes a normative commitment to civic participation (Keane 2003). This commitment implies that state power and corporate control must not proceed unchallenged in a globalized world. Such a normative orientation also aligns with an emphasis on pluralism in global relations (Snyder 1999). Pluralism in global environmental politics can bring a range of benefits, including delivering more "balanced" outcomes, supporting robust agreements, and enhancing compliance (Kanie et al. 2019). Diversification may also enable locally appropriate solutions and a movement toward decolonization in international policy (Pascual et al. 2021). In relation to urban perspectives, a stronger representation of local government in climate policy may enable innovation, as climate action in cities is often realized through experimentation (Bulkeley and Castán Broto 2013). Consideration of urban concerns may create opportunities for marginalized voices to be heard (Olazabal et al. 2021); this includes disadvantaged groups, such as informal settlement dwellers (e.g., Satterthwaite et al. 2020). Thus, the inclusion of urban perspectives in global climate governance is associated with multiple benefits, including enhanced representation, diversity, and the introduction of novelty.

Discourse Homogenization

An analytical focus on discourses reveals a different picture. Intangible forms of power, operating through discourses, condition repertoires of interventions in all policy domains. In environmental politics, discourses provide simplified problem frames and structure debates into comprehensible narratives (Feindt and Oels 2005). Environmental discourses represent "a shared way of apprehending the world" that "construct meanings and relationships, helping define

common sense and legitimate knowledge" (Dryzek 2013, 10). Environmental discourses are entangled with political power, social relations, and coalitions with distinct interests (Hajer 1995).

In climate policy, discourses shape how "climate change is construed and enacted as a problem," thereby serving to "delimit the realm of the possible for climate politics" (Bäckstrand and Lövbrand 2019, 520, 521). As the number of organizations participating in the formulation of climate policy has grown, some scholars suggest that discourses have shifted. For instance, Meckling and Allan (2020) argue that international climate policy discourse developed from market-based narratives in the 1990s toward a broad menu of experimental approaches beyond the established policy tool box. However, close analysis reveals that climate discourses are less dynamic than often assumed. For example, the nationally determined contributions (NDCs) contain surprisingly similar narratives. Concepts such as co-benefits, natural resource management, nonstate participation, and security are prevalent across the NDCs, even though their story lines follow geopolitical concerns (Jernnäs and Linnér 2019). Bäckstrand and Lövbrand (2019) identify three discourses that dominate the debate in the UNFCCC: green governmentality (administrative rationalism and collective problem solving), ecomodernization (multilevel action and co-benefits), and civic environmentalism (critical narratives and claims on justice). Their analysis is notable for its near-longitudinal quality: already in 2006, their examination pointed to the prevalence of these three discourses (Bäckstrand and Lövbrand 2006). They concluded that the three discourses "converge strongly" with those identified in the previous decade, with green governmentality retaining "a surprisingly strong hold on the political imagination" (Bäckstrand and Lövbrand 2019, 528). The environmental policy rationalities that extend beyond the climate domain explain this pervasiveness. For instance, discourses of economic liberalization have long constricted the solution space in global environmental governance, limiting narratives to those that align with trade, financial investment, and economic growth (Bernstein 2002). Beyond global governance, environmental politics are equally characterized by remarkable stability of "discursive fundamentals" over time (Leipold et al. 2019).

The durability of discourses can be understood by considering the fundamentals of discursive configurations. As Foucault ([1971] 2010) explained, discourses are not "external" to actors. Discourses are constituted by social relations, meaning that political interventions are shaped by actors' institutional position and situatedness in systems of signification. Organizations advance narratives within the confines of these rules and relations. Civil society groups that strive to promote radical environmental action encounter the boundaries of technical-rational discourse:

> social movements must recognize they are positioned within this hegemonic constellation … that there are structural and discursive forces at play, of

which the very framework of global civil society is itself a part, and which social movements themselves may actually be actively reproducing, rather than challenging. (Ford 2003, 129)

Similarly, MacLean (2003) argues that civil society groups have minimal agency to counter hegemonic discourses. Participation in existing structures risks their reproduction, and oppositional groups operate under a constant threat of "appropriation into the formal-technical apparatus of authority and legitimacy" (MacLean 2003, 186). Groups advocating radical alternatives in global politics often seek to challenge the rules of discourses without any alternative at hand. Contestation is always more strenuous than conformation (Carroll 2007). This means that organizations in global governance promote political narratives within the confines of discursive mechanisms. Urban narratives reveal such practical mechanisms, including through the tension between diversification and homogeneity.

Research Method

Discourse analysis analyses recurrent motifs in language, such as those perceived as legitimate or shared across groups and individuals. It is a methodological approach to uncovering underlying assumptions, rationales, or codes of action that structure interventions in climate governance (Bäckstrand and Lövbrand 2019; Jernnäs and Linnér 2019; Meckling and Allan 2020). While discourses are constituted by social relations and rules of conduct (Foucault [1971] 2010), narratives represent the manifestation of those discourses in patterns of language. In global environmental governance, policy narratives are "interpretive frameworks that both analysts and practitioners develop and use to facilitate thinking in an orderly and coherent fashion" (Young 2020, 47). Policy narratives are central to global governance processes as they frame "problems" and "solutions," which coalesce in sets of ideas and receive support from coalitions of actors (Young 2020). In this study, we adopt narratives as our object of analysis. In doing so, we interpret narratives as one expression of discursive configurations, indicative of existing rationalities and relations.

Data Collection

All organizations in global climate governance mobilize climate narratives within the documents that they produce, whether these are explanations of their actions, calls to action, or assessments of the availability of resources. The first question in studying this material concerns what counts as "policy" within the fragmented system of authority that constitutes global climate governance. A conventional approach defines policy as "actions which contain … goal(s) or aims and some means or tools … expected to achieve them" (Capano and Howlett 2020, 10). Accordingly, we understand urban climate policy to involve

any action or statement that defines goals or aims related to cities in the context of global climate action, as well as instruments or strategies to realize them (Capano and Howlett 2020). The term encompasses a variety of manifestations, ranging from general goals (e.g., visions issued by UN agencies) to specific means of action (e.g., technical guidelines or provision of funding).

The data collection followed two steps. First, a literature review helped identify organizations active in urban climate policy, including UNFCCC, UN-Habitat, WB, UNDRRnited, the United Nations Development Program (UNDP), UNEP, Local Governments for Sustainability (ICLEI), and C40. Rather than creating an exhaustive list, the analysis aimed to represent organizations perceived to play a central role in shaping climate policy at the global level. As the analysis progressed, organizations represented as producing seminal reports, such as the World Meteorological Organization, were added to the sample. The final list of organizations included in the database is presented in Table A1 (Appendix A).

Second, we compiled reports containing references to cities and climate change for each organization. The search strategy was tailored to each organization, as explained in Table A2 (online Appendix A). The final database included 463 documents issued by 37 organizations, listed in a Microsoft Excel database and complied in NVivo (online Appendix B; policy documents cited in the text are listed in online Appendix C[1]). The analysis tracked changes in narratives over time, but the sample was conditioned by availability. The temporal delimitation (1946–2020) was based on availability of documentation. We examined all documentation available online for the organizations concerned. For each organization, we tracked pre-1990 documents systematically through their online presence, and any document mentioning "urban" was included. While the range of documents available starts in the 1940s, the database comprises a larger number of documents from the 2000s onward. Because most documents published before 1990 were scanned copies, they were analyzed manually and were not included in automatic word searches to illustrate trends over time.

Data Analysis

The analysis proceeded as follows. First, we read all documents in NVivo to code any references to urban content. Short documents (fewer than twenty pages) were analyzed in their entirety, but a strategic treatment of longer documents focused on the executive summary, an outline of contents, and examination of sections containing urban references. A comprehensive review of the literature on urban climate governance (Castán Broto and Westman 2020) informed the development of a coding scheme on approaches to the urban and climate change (online Appendix A, Table A3). This process revealed a surprising consistency in language across organizations and over time.

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1. Each citation listed in Appendix C is indicated with an asterisk (*).

Following this, an additional round of coding focused on identifying similarities in narratives through three strategies. The first consisted of characterization of the emergence of urban content and the construction of climate change as an urban agenda. This was realized by mapping when and how each significant organization first introduced urban content, (urban) environmental content, and urban climate content. The second step was identification of similarities in narratives across organizations. Common themes and similarities in the language were tracked across reports (e.g., cities as carbon emitters, "good" urban climate governance, and cities as sites of economic development). The third strategy was identification of continuities in narratives over time. Specific narratives were further analyzed by searching for key concepts (e.g., planning, coordination) and their evolution throughout subsequent reports.

Urban Narratives in International Climate Policy

The empirical results reveal how organizations "discovered" urban narratives, the ensuing convergence of narratives across organizations, and continuities in narratives detectable over time.

The Emergence of Narratives

Four events between 2000 and 2020 helped constitute cities as sites for climate protection. First, many international organizations adopted climate change as a strategic concern (e.g., Organization for Economic Co-operation and Development [OECD] 2002; UNDP 2003; United Cities and Local Governments [UCLG] 2007; WHO 2008; WB 2009a; UNDRR 2011; UN-Habitat 2010)*. For example, in 2009, the WB released *Climate Change and the World Bank Group* (WB 2009a*), which explained the connection between development and climate action. While climate change had been present in action narratives since the 1990s, a significant increase occurred after 2007 (Figure 1).
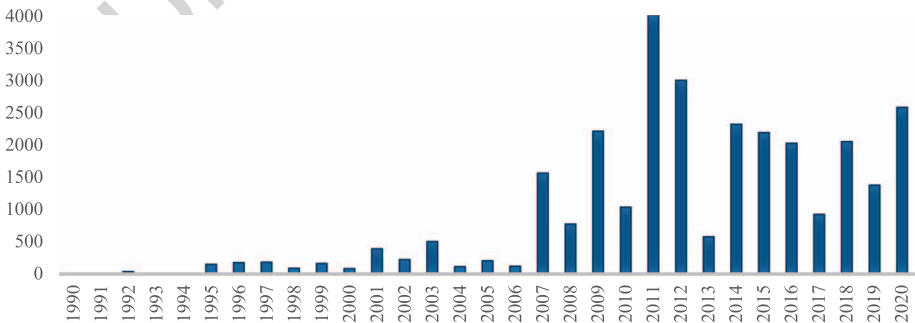

Figure 1
References to "Climate Change" in Documents Published Since the 1990s

Second, international organizations working on energy and the environment recognized cities' potential, in particular through their responsibility for a majority of global greenhouse gas emissions (Figure 2). Since 2007, the LGMA constituency became more visible within the UNFCCC, including through the formulation of an "LGMA Roadmap" at COP13 in Bali (ICLEI 2007*). Cities gained visibility in key reports, such as the *IPCC AR5* (IPCC 2014*), and funding was directed toward cities by the Global Climate Fund (GCF; 2019*). Several environmental and energy-oriented organizations issued reports on cities and climate change in the years following 2007, including the International Energy Agency (IEA 2009*), the World Wildlife Fund (WWF 2010*), UNEP/IEA (2011*), the European Energy Agency (EEA 2012*), the International Renewable Energy Agency (IRENA 2016*), and REN21 (2019*).

Third, organizations working on development focused explicitly on climate change in cities (Figure 2). Here, the argument was that cities concentrate people and assets vulnerable to climate impacts. This interest was demonstrated by a series of reports and strategic initiatives. The WB published *Building Safer Cities* in 2003 (WB 2003*), followed by the *Framework for City Climate Risk Assessment* in 2009 (WB 2009b*). In 2008, UNDRR published *Climate Resilient Cities* (2008*), followed by the launch of the Making Cities Resilient Campaign in 2010. In 2009, UN-Habitat introduced the Cities and Climate Change Initiative, followed by the release of *Cities and Climate Change* in 2011 (UN-Habitat
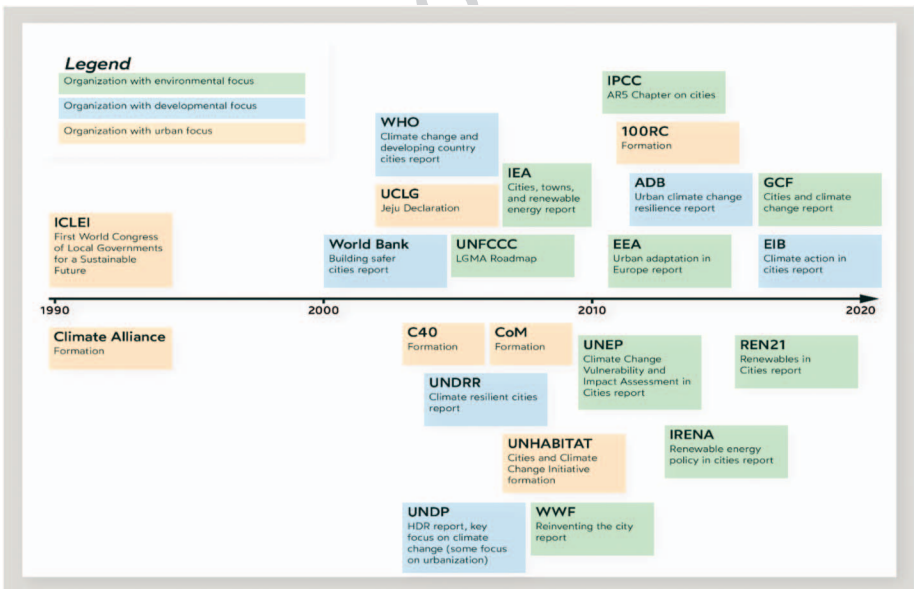

Figure 2
Initial Explicit Recognition of the Cities and Climate Agenda

2011*). With a long-standing interest in urban health, the WHO released reports on urban vulnerability at a similar time (WHO 2008*). Other financial institutions became interested in urban adaptation, including the ADB (2014*) and the EIB (2020*). Urban adaptation was formally recognized through the Durban Adaptation Charter adopted at COP17 in Durban (UNFCCC 2011*).

Fourth, city networks adopted an explicit interest in climate change (Figure 2). A few organizations have advanced this thinking since the 1990s. For example, the first World Congress of Local Governments in 1990 included a session to mobilize "world-wide local government effort to slow the accumulation of carbon dioxide in the Earth's atmosphere" (ICLEI 1990*). ICLEI has advocated for the recognition of cities in climate politics since then. However, municipal climate networks gained visibility in international reports in the 2000s. The foundation of the municipal climate network C40, created by eighteen megacities in 2005, occurred simultaneously with this growing interest. In 2007, UCLG adopted the Jeju Declaration, which recognized climate change as a local government concern. In 2008, the Covenant of Mayors was established, affirming the commitment of European local governments to emission reductions.

Narratives Across Organizations

Figure 3 outlines the concerns around which narratives on cities and climate change have converged since 2010: urban vulnerability, urban greenhouse emissions, urban governance, urban climate planning, and the importance of co-benefits. Each theme is discussed in turn.   Q2

The view of cities as vulnerable to climate impacts consolidated between 2010 and 2020. The IPCC 5th Assessment Report released in 2014 highlighted vulnerability as a key concern (IPCC 2014*). In our sample, topics raised in relation to urban vulnerability were very similar across organizations, including risks of flooding, extreme heat, and water scarcity (e.g., C40 2016; EEA 2020; GCF 2019; GEF 2012; IRENA 2020; OECD 2014; UN-Habitat 2011; UNDRR 2012a; WHO 2016)*. Debates initiated in the early 2000s continued, such as risks brought by urbanization (e.g., UNDP 2016; UN-Habitat 2011; WB 2010)* and impacts on the urban poor and informal settlements (e.g., ICLEI 2019a; UN-Habitat 2011; UNDP 2016; UNDRR 2012a; WB 2010)*. While the emphasis differs across organizations (e.g., the disaster risk angle is strongest within UNDRR), there is strong agreement on the central problem.

Over the same years, several organizations adopted the problem frame of urban greenhouse emissions. In many cases, urban carbon emissions are linked with urbanization (e.g., GCF 2019; IEA 2016; UNEP 2013; UNFCCC 2014; WB 2010)* or connected to global emission trajectories and the imperative of cities to act (e.g., C40 2016; IEA 2016; UN-Habitat 2011; WB 2010)*. This argument is often presented in relation to sectors responsible for energy use and emissions, including transport, power, buildings, and waste (e.g., C40 2017; GCF 2019; IEA 2016; IRENA 2020; UNDP 2016; UNEP 2013; UNFCCC 2014;
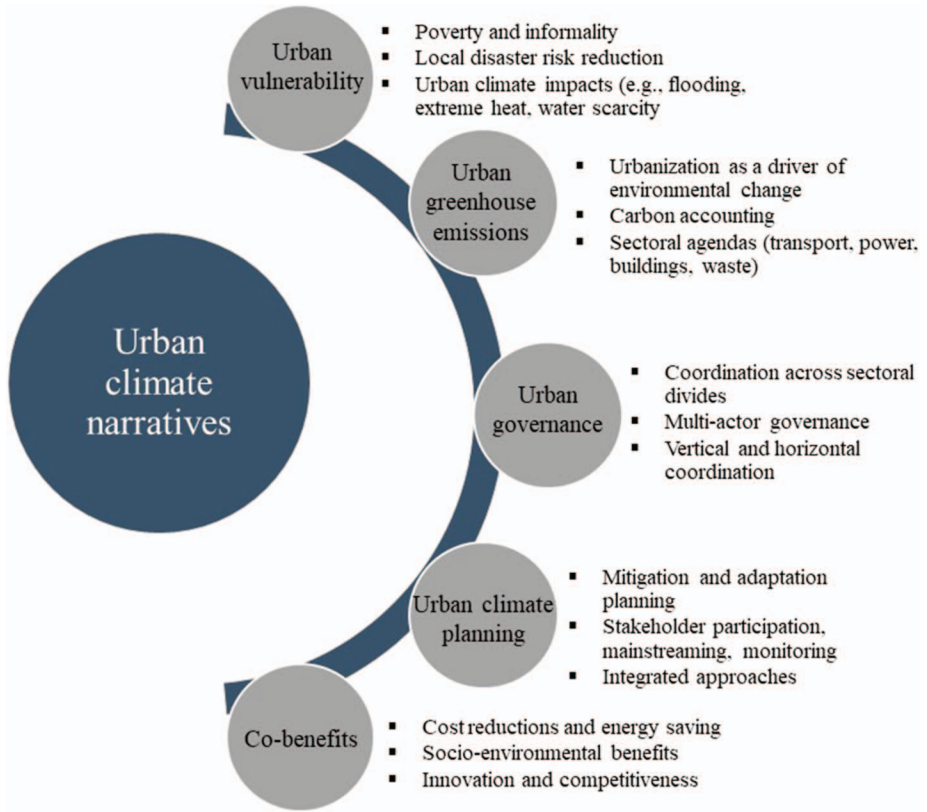
Figure 3
Dominant Themes in International Urban Climate Narratives

UN-Habitat 2011; WB 2010)*. Sector-based trends are also linked with options for decarbonization, including technologies and solutions adopted in best practice case studies.

Interest in institutional arrangements that support urban climate interventions is also standard across reports. A concern with coordinating action across sectoral divides of government departments follows the assumption that climate change is a crosscutting problem. The idea applies to vulnerability and disaster resilience (UNDDR 2012*) and to climate mitigation (GCF 2019*). There is a general search for strategies of collaboration with actors beyond government to realize effective urban climate action. Stakeholder involvement, partnerships, and coordination between public and private actors are all central to such "horizontal and vertical coordination efforts" (ICLEI 2019a*). The division of authority between government levels exacerbates a long-standing tension between centralized control and local decision-making. Some organizations propose national urban policy to realize coordination (ICLEI 2019a;

OECD 2014; UNDP 2016; UN-Habitat 2016*), while others advocate for decentralization and local autonomy (e.g., UCLG 2008, 2014; 2019*).

Most reports identify planning as a compelling entry point for urban climate action. For mitigation, the emphasis is on land use planning (e.g., master planning and zoning) (OECD 2014; UN-Habitat 2011)* or on carbon inventories (C40 2016; ICLEI 2019b)*. For adaptation, the focus is on incorporating risk assessments into policy frameworks, such as building regulations and zoning (EEA 2020; UNDP 2016; UNDRR 2012a)*. In recent years, the focus has shifted toward broader notions of "climate planning" that incorporate adaptation and mitigation. Climate plans build on long-term visions and non-state participation (UNFCCC 2014; UN-Habitat 2011)*, and, increasingly, "integrated" approaches (C40 2020; GCF 2019; OECD 2014)*. The emphasis on planning is especially pronounced in handbooks and guidelines, which highlight risk assessments, stakeholder consultations, mainstreaming, and strategies for implementation and monitoring (UN-Habitat 2012, 2015; UNDRR 2012b, 2017)*.

Finally, there is a shared concern about the socioeconomic benefits of urban climate action. In recent years, the concept of co-benefits has come to symbolize synergies between climate action and socioeconomic progress (C40 2018, GCF 2019; GEF 2012; EEA 2020; ICLEI 2019; IRENA 2020; OECD 2014; UNEP 2013; WB 2009c; WHO 2016)*. As the WB (2010) stated, co-benefits of urban climate action include public health improvements, cost savings, and energy security. Similarly, there are explicit efforts to link urban climate agendas with opportunities for economic advancement. For example, the C40 (2018, 7*) report *Climate Opportunity* provides "evidence on how climate policies are interrelated with, and deliver outcomes for, health, wealth and other development agendas." The related narratives of private sector contributions and climate finance in cities have also become important topics (Coalition for Urban Transitions [CUT] 2018; UNEP 2014; EEA 2015; OECD 2019; UNDP 2020)*.

Narratives Over Time

These five narratives have extended histories in international urban policy. Take, for example, urban climate vulnerability. As explained previously, ideas that define this debate include risks associated with urbanization, such as poverty and homelessness. The link between urbanization, housing, and poverty was the first entry point to city-related policy in UN debates. In 1946, the UN General Assembly expressed concern over "the magnitude and gravity of housing problems (UN General Assembly 1946, 80*)." In 1952, it proclaimed the lack of adequate housing as "one of the most serious deficiencies in the standard of living of large sections of the population of the world (UN General Assembly 1952*)." These concerns were carried forward within the Commission for Human Settlements, eventually institutionalized as UN-Habitat (UN General Assembly 1977*). Alongside UN-Habitat, the WB has a long-standing interest

in poverty alleviation and urban investment. When urban vulnerability emerged as a climate agenda, it was framed by these organizations as a development concern, supporting the connection to long-standing issues of urbanization, homelessness, and poverty.

Likewise, there is an established tradition of portraying cities as drivers of socioenvironmental degradation. In 1962, a UN ad hoc group of experts declared that urbanization was "rapidly assuming the proportions of a full-fledged crisis" (UNDESA 1962, 1*). The president of the WB proclaimed in 1969 that the "phenomenon of urban decay is a plague creeping over every con-tinent (WB 1969, 17*)." Since then, international organizations have routinely depicted urbanization as a force that brings socioenvironmental deterioration, especially in the context of "slums." The concern with urbanization reached a watershed moment when the global urban population overtook the size of the rural in the early 2000s. Since then, the idea of urbanization as a driver of global climate change has gained resonance in international policy, revived through the argument of cities as leading greenhouse gas emitters.

The question of establishing appropriate divisions of responsibility has also long permeated urban debates. In the 1980s to 1990s, the principle of local autonomy gained influence through the diffusion of ideologies of democratization and privatization. As Figure 4 shows, the concepts of democ-ratization and privatization lost appeal after the 1990s, but other terms repre-senting democratic ideals have remained influential. For example, references to "stakeholders" and "partnerships," which reflect an interest in working in collaboration across groups of actors, have grown with time. References to com-munity, public participation, and coordination follow a similar trend. This suggests that while the terminology of participation shifted, underlying assump-tions about how action can be achieved (through interaction across scales, juris-dictions, and boundaries) remain influential.

A similar pattern emerges concerning planning, long representing a chief solution to problems in cities. Ideas on managing urbanization in the 1950s
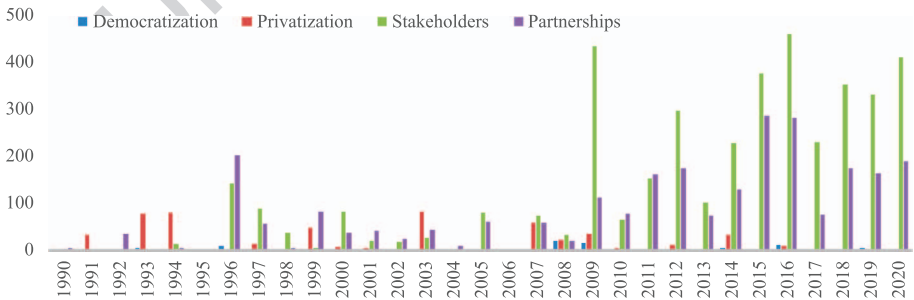

Figure 4
References to "Democratization," "Privatization," "Stakeholders," and "Partnerships" in Documents Published Since the 1990s

were intertwined with theories of centralized population control. The WB 1979 *Development Report* proposed to "curb the growth of the urban labour supply through family planning programs" (WB 1079. 79*). Population control was flaunted as an approach to deal with homelessness, resource depletion, and urban sprawl. In the late 1980s to early 1990s, cities emerged as ideal locations for environmental planning. UN-Habitat, for example, portrayed local planning as a practical entry point to natural resource management (UN-Habitat 1987, 1989, 1991, 1993). This ideal was amplified through the diffusion of sustainable development agendas in the 1990s, primarily Local Agenda 21. In our sample, references to integrated planning have grown in recent years. Whether embracing a rational-formalist model or a view that welcomes the informal exchange of perspectives, planning consistently appears as a strategy to change the future of cities.

Finally, the arguments for co-beneficial urban climate action reflect an established view of cities as engines of economic advance. As stated in the 1952 UN *Demographic Yearbook*, urbanization "is important … because it is integrally associated with industrial and economic development (UNDESA 1952, 9*)." This thinking aligns with a search for solutions to uncontrolled urbanization through economic stimulus. Throughout the 1950s to 1960s, state-led investment was the dominant approach (UNDESA 1952; UN General Assembly 1960; UNDESA 1962)*, alongside ideas on managing national economies and industrial structures. For example, the WB (1979*) *Development Report* proposed distribution of development across regions and stimulus in intermediate cities to tackle uncontrolled urbanization. The profound connection between urban policy and economic strategy never vanished—it simply reappeared in different forms. Thus, while the emphasis on economic co-benefits in contemporary urban climate policy is recent and not overwhelmingly influential (Figure 5), economic growth and innovation represent pervasive narratives that can be tied to emergent policy domains, such as climate change.
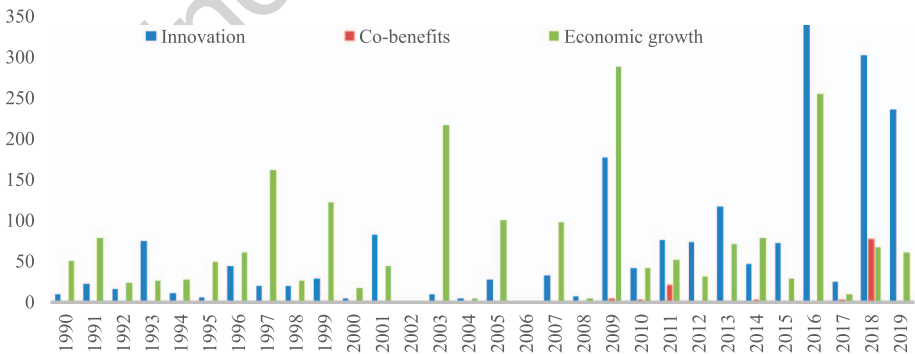

Figure 5
References to "Innovation," "Co-benefits," and "Economic Growth" in Documents Published Since the 1990s

Problematizing Diversity

Explaining the coupling of actors' diversification with narrative homogenization is not straightforward. However, in the context of urban climate policy, three hypotheses emerge. First, the idea of diversity needs to be approached from the perspective of the highly uneven grounds for shaping the conversation. In particular, "traditional" players exercise a disproportionately strong influence. The global climate governance landscape is sometimes imagined as a novel political terrain, with relevant actors newly arrived on the scene. Such analyses treat climate politics as an autonomous sphere populated by discrete scientific debates, in which organizations are highly specialized. Our analysis suggests that this is not the case. Instead, intergovernmental organizations with a generalist approach and decades of experience appear as authoritative voices. For instance, since its inception, UN-Habitat has worked for decent living conditions, with homelessness and poverty always a strong focus. The WB has engaged with urbanization and infrastructure investment as a poverty alleviation strategy since the 1960s. As climate vulnerability became a challenge for cities, it underscored homelessness, poverty, and development challenges. The leading voices in these conversations were organizations driving the debate on urban climate vulnerability: UN-Habitat and the WB. Other intergovernmental organizations promoted narratives linked with their expertise. For instance, UNDRR and WHO successfully aligned their interests in disaster risk and health with urban climate vulnerability. While the narrative of urbanization as a driver of global environmental change is widespread, it is most heavily referenced by organizations with expertise in environmental science, including UNEP.

Nongovernmental organizations need to carve out a space for demands within these accepted story lines. For instance, ICLEI was instrumental in claiming questions of local environmental planning and has, until today, maintained that position. C40 promotes narratives on the importance of urban areas in global emissions and co-benefits. The narratives of both networks fit neatly with proponents of planning (e.g., UN-Habitat) and economic development (e.g., WB, OECD). The success of these networks depends on many factors, including their ability to access and sustain flows of financial resources (Acuto and Leffel 2021), even as these flows generate complicated forms of dependence (Chu 2018). Yet, their perceived success also appears to depend on matching the discursive landscape of global climate governance. Other networks whose demands did not fit preexisting narratives had limited influence. For example, UCLG's proposals for decentralization and local democracy come across as radical in contrast with calls for harmonization and coordination across scales. C40 initially advocated for increasing cities' autonomy but has put this argument on the back burner (Gordon 2020). While these ideals are partly supported by allies (e.g., LGMA), they never reach mainstream appeal. Similarly, the Climate Alliance has consistently advanced a system-critical view, fixed in alternative

notions of growth and solidarity with Indigenous peoples. These perspectives also remain at the fringe of debates.

Second, narratives are formulated within an environment conducive to standardizing expression. In international policy, standardization ensures that guidelines apply around the world. For example, the first UN document to engage with urban concerns identifies the need to develop common principles and standards for housing and town planning (UN General Assembly 1946*). International management studies have long recognized that this ambition obscures parochialism and ethnocentrism (Boyacigiller and Adler 1991). There may even be a direct contradiction between recognizing local concerns and creating "objective," codified, transferrable solutions (Martello 2001). Nevertheless, adopting common frameworks and sharing universal solutions remain central objectives in international policy. In addition, the harmonization of language may be a feature of international policy. Gosovic (2000) observes that the global circulation of information since the 1990s has contributed to consolidating ideas. Gosovic refers to this harmonization as a global intellectual hegemony, characterized by "standardization and uniformity of thinking and analysis" and the "frequent and widespread use of a limited number of buzz words and clichés including 'correct' phraseology" (448). Through our analysis, we distinguish such features, including standardized vocabularies, catchwords, and common phrases. As an example, we can consider *resilience*. We first identified this term in a UNFCCC document issued in 2007. This is followed by engagement with climate-resilient cities in a UNDRR report published in 2008 and through the WB's concept of climate-resilient development in 2010. Between 2010 and 2020, most organizations in our sample refer to climate resilience as a desirable objective. In their narratives, resilience is mobilized in an ambiguous, noncontradictable form that does not have any actual practical application—much like other buzzwords (Cornwall 2007). Actors with diverging profiles promote their aims through similar wordings, resulting in the same lists of adjectives and catchphrases (inclusive, livable, low carbon, eco, smart, equitable, resilient, safe) being reproduced across policy documents.

A third perspective is ideas on periodicity. At any given moment in time, political narratives match dominant assumptions in international policy. Literatures that explain synchronicity in international policy include the scholarship on policy doctrines and orthodoxies (Harriss 2005; Kothari 2005). Policy doctrines represent "clearly bounded, successive periods characterized by specific theoretical hegemonies" (Kothari 2005, 66). Studies on historical patterns in international policy have revealed such doctrinal thinking. For example, the 1940s to 1950s represent an era of positivist orthodoxy, characterized by economic planning and state-led development, followed by investment-led poverty alleviation in the 1970s (Harriss 2005). The 1980s brought faith in economic liberalism that eventually peaked with the Washington consensus, followed in the 1990s by a renewed interest in the state and good governance (Harriss 2005). Current trends include a revival of neoliberal principles (Carroll and

Jarvis 2015) and technology-led development (Taylor and Schroeder 2015). According to Carroll and Jarvis (2015, 285, 295), the contemporary international policy paradigm takes the form of deep marketization, residing in "an extreme pro-private sector agenda" geared toward business enabling.

Revisiting urban narratives reveals patterns along these lines. Ideas on urbanization in the 1950s and 1960s embraced state-led development and investment-driven growth. Principles of local government autonomy that materialized in the 1980s followed global waves of liberalization and democratization. If the current international policy paradigm is inclined toward business enabling, we find resonance in urban narratives on co-benefits, green growth, competitiveness, and innovation. These patterns suggest that urban narratives are formulated within international policy paradigms, which dictate ideas on normalcy. For example, this explains why narratives reflecting "good governance" that became paradigmatic in the 1990s continue to permeate urban debates in the 2000s. Analysis of such patterns can also bring clarity to the meaning of narratives at different points in time. Some concepts in our analysis were influential throughout multiple paradigms, but their associated practices have changed radically. Planning is one example. When planning first emerged in relation to urban policy in the 1950s, it was linked with proposals for national population control. Today, such arguments are nearly unthinkable, and ideas are instead characterized by an interest in participation, foresight, and integrated management. Actors on the global stage position their narratives within ideas on what is legitimate and plausible, which limits the available range of tools and objectives.

Conclusions

The diversification of actors in global climate governance has not challenged the dominance of certain narratives. What are the consequences in terms of supporting effective and just urban climate action? First, homogenization has implications for the delivery of innovation. Transformative action is a common theme in current policy, as shown in the most recent IPCC report (Dodman et al., forthcoming; Lwasa et al., forthcoming). Transformative action calls for radical alternatives and far-reaching interventions to prevent ecological breakdown. Our analysis shows that urban climate narratives extend into multiple policy domains (e.g., disaster risk reduction, health, ecosystem protection) and encompass a diverse repertoire of responses (e.g., a range of policy instruments, technologies, and organizational arrangements). Nevertheless, responses fit within the established norms of international policy and do not signify a radical departure from existing narratives. Off-the-road answers appear to be beyond the confines of urban climate narratives, questioning the actual possibilities of transformative or radical action.

Second, homogenization impedes place-based action. All urban solutions were once developed within the contextual capabilities of a given city.

Paradoxically, translating urban practices into the standardized format of international policy erases these particularities. While international policy documents contain case studies and local accounts, contextual dimensions are removed from generalized guidelines and policy recommendations. The urban enters into global policy not as a force that generates interest in local struggles but through the universal adoption of particular lessons. If the city is the ground for homogenized forms of rationality that enroll diverse actors in a remarkably uniform urbanism (Magnusson 2013), its operation is reflected in standardized narratives of the urban in international policy. Place-based demands can still be brought by local groups to international platforms, especially as an advocacy strategy to gain leverage vis-à-vis their own central governments. These struggles can potentially coexist with "universalized" narratives; yet, if local claims are brought to international climate debates, they face the risk of being integrated in unintended ways into the harmonized vocabulary of international policy.

Third, homogenization forecloses opportunities to consider new perspectives, especially those already marginalized. Current climate policy embraces the pressing concern with participation (e.g., of youth, Indigenous groups, or movements from the Global South) and a politics of recognition (Dodman et al., forthcoming). Yet, we find that these voices have a minimal impact on international climate debates. While claims that may be associated with civil society groups do appear, they are soaked in dominant narratives (e.g., on stakeholders, effectiveness, of coordination). The embeddedness of radical demands into mainstream discourse in this case implies their absorption into an accepted terminology, without being accompanied by any concrete change. For example, this enables UN agencies and development banks to speak of climate justice without engaging with any of the conditions that enable an extractive, grossly unequal global economy or oppression based in patriarchy and racism. The enrollment of vocabularies of insurgent groups into a homogenized policy discourse effectively displaces struggle in favor of putative good governance arrangements and workable technological solutions.

Discourse homogeneity constitutes a policy environment containing no departure from the expected, no particularity, no conflict. We find resonance in this narrative uniformity with what Escobar (2016) describes as the "One World World," shorthand for hegemonic discourses that represent "the dominant form of Euro-modernity (capitalist, rationalist, liberal, secular, patriarchal, white, or what have you)." Such language disguises the imposition of dominant knowledge systems that make multiple forms of thinking and living invisible. There is a need to map the "sociologies of absence" in international climate policy, tracking the accounts erased through harmonizing narratives. Sameness implies the obliteration of difference (deliberate or not), and there are limits to delivering change from within discursive homogeneity.

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References

Acuto, M., and B. Leffel. 2021. Understanding the Global Ecosystem of City Networks. *Urban Studies* 58 (9): 1758–1774. https://doi.org/10.1177/0042098020929261

Andonova, L. B., and M. A. Levy. 2003. Franchising Global Governance: Making Sense of the Johannesburg Type II Partnerships. *Yearbook of International Co-operation on Environment and Development* 4: 19–31.

Bäckstrand, K. 2008. Accountability of Networked Climate Governance: The Rise of Transnational Climate Partnerships. *Global Environmental Politics* 8 (3): 74–102. https://doi.org/10.1162/glep.2008.8.3.74

Bäckstrand, K., J. W. Kuyper, B.-O. Linnér, and E. Lövbrand. 2017. Non-state Actors in Global Climate Governance: From Copenhagen to Paris and Beyond. *Environmental Politics* 26 (4): 561–579. https://doi.org/10.1080/09644016.2017.1327485

Bäckstrand, K., and E. Lövbrand. 2006. Planting Trees to Mitigate Climate Change: Contested Discourses of Ecological Modernization, Green Governmentality and Civic Environmentalism. *Global Environmental Politics* 6 (1): 50–75. https://doi.org/10.1162/glep.2006.6.1.50

Bäckstrand, K., and E. Lövbrand. 2015. *Research Handbook on Climate Governance*. Cheltenham, UK: Edward Elgar. https://doi.org/10.4337/9781783470600

Bäckstrand, K., and E. Lövbrand. 2019. The Road to Paris: Contending Climate Governance Discourses in the Post-Copenhagen Era. *Journal of Environmental Policy and Planning* 21 (5): 519–532. https://doi.org/10.1080/1523908X.2016.1150777

Bernstein, S. 2002. Liberal Environmentalism and Global Environmental Governance. *Global Environmental Politics* 2 (3): 1–16. https://doi.org/10.1162/152638002320310509

Betsill, M. M., and H. Bulkeley. 2004. Transnational Networks and Global Environmental Governance: The Cities for Climate Protection Program. *International Studies Quarterly* 48 (2): 471–493. https://doi.org/10.1111/j.0020-8833.2004.00310.x

Bodansky, D. 2010. The Copenhagen Climate Change Conference: A Postmortem. *American Journal of International Law* 104 (2): 230–240. https://doi.org/10.5305/amerjintelaw.104.2.0230

Boyacigiller, N. A., and N. J. Adler. 1991. The Parochial Dinosaur: Organizational Science in a Global Context. *Academy of Management Review* 16 (2): 262–290. https://doi.org/10.2307/258862

Bulkeley, H., L. B. Andonova, M. M. Betsill, D. Compagnon, T. Hale, M. J. Hoffmann, P. Newell, M. Paterson, C. Roger, and S. D. VanDeveer. 2014. *Transnational Climate Change Governance*. Cambridge, UK: Cambridge University Press. https://doi.org/10.1017/CBO9781107706033

Bulkeley, H., and V. Castán Broto. 2013. Government by Experiment? Global Cities and the Governing of Climate Change. *Transactions of the Institute of British Geographers* 38 (3): 361–375. https://doi.org/10.1111/j.1475-5661.2012.00535.x

Capano, G., and M. Howlett. 2020. *A Modern Guide to Public Policy*. Cheltenham, UK: Edward Elgar. https://doi.org/10.4337/9781789904987

Carroll, T., and D. S. Jarvis. 2015. The New Politics of Development: Citizens, Civil Society, and the Evolution of Neoliberal Development Policy. *Globalizations* 12 (3): 281–304. https://doi.org/10.1080/14747731.2015.1016301

Carroll, W. 2007. Hegemony and Counter-hegemony in a Global Field. *Studies in Social Justice* 1 (1): 36–66. https://doi.org/10.26522/ssj.v1i1.980

Castán Broto, V., and L. K. Westman. 2020. Ten Years After Copenhagen: Reimagining Climate Change Governance in Urban Areas. *Wiley Interdisciplinary Reviews: Climate Change* 11 (4): e643. https://doi.org/10.1002/wcc.643, PubMed: 35865730

Chan, S., H. van Asselt, T. Hale, K. W. Abbott, M. Beisheim, M. Hoffmann, B. Guy, N. Höhne, A. Hsu, and P. Pattberg. 2015. Reinvigorating International Climate Policy: A Comprehensive Framework for Effective Nonstate Action. *Global Policy* 6 (4): 466–473. https://doi.org/10.1111/1758-5899.12294

Chu, E. K. 2018. Transnational Support for Urban Climate Adaptation: Emerging Forms of Agency and Dependency. *Global Environmental Politics* 18 (3): 25–46. https://doi.org/10.1162/glep_a_00467

Coalition for Urban Transitions. 2021. Seizing the Urban Opportunity. WRI/C40/The New Climate Economy. Available at: https://urbantransitions.global/urban-opportunity/seizing-the-urban-opportunity/#:~:text=Seizing%20the%20Urban

%20Opportunity%20focuses,of%20the%20world's%20urban%20population, last accessed 2022.11.

Cornwall, A. 2007. Buzzwords and Fuzzwords: Deconstructing Development Discourse. *Development in Practice* 17 (4–5): 471–484. https://doi.org/10.1080/09614520701469302

Dodman, D., B. Hayward, M. Pelling, V. Castán Broto, W. Chow, E. Chu, R. Dawson, L. Khirfan, T. McPherson, A. Prakash, et al. Forthcoming. Cities, Settlements and Key Infrastructure. In *IPCC WGII Sixth Assessment Report*. Cambridge and New York: Cambridge University Press.

Dryzek, J. S. 2013. *The Politics of the Earth: Environmental Discourses*. Oxford, UK: Oxford University Press.

Escobar, A. 2016. Thinking-Feeling with the Earth: Territorial Struggles and the Ontological Dimension of the Epistemologies of the South. *Revista de Antropología Iberoamericana* 11 (1): 11–32. https://doi.org/10.11156/aibr.110102e

Feindt, P. H., and A. Oels. 2005. Does Discourse Matter? Discourse Analysis in Environmental Policy Making. *Journal of Environmental Policy and Planning* 7 (3): 161–173. https://doi.org/10.1080/15239080500339638

Ford, L. H. 2003. Challenging Global Environmental Governance: Social Movement Agency and Global Civil Society. *Global Environmental Politics* 3 (2): 120–134. https://doi.org/10.1162/152638003322068254

Foucault, M. (1971) 2010. *The Archaeology of Knowledge*. New York, NY: Vintage Books.

Gordon, D. J. 2020. *Cities on the World Stage: The Politics of Global Urban Climate Governance*. Cambridge, UK: Cambridge University Press. https://doi.org/10.1017/9781108125888

Gosovic, B. 2000. Global Intellectual Hegemony and the International Development Agenda. *International Social Science Journal* 52 (166): 447–456. https://doi.org/10.1111/1468-2451.00275

Hajer, M. A. 1995. *The Politics of Environmental Discourse: Ecological Modernization and the Policy Process*. Oxford, UK: Clarendon Press.

Hale, T. 2016. "All Hands on Deck": The Paris Agreement and Nonstate Climate Action. *Global Environmental Politics* 16 (3): 12–22. https://doi.org/10.1162/GLEP_a_00362

Harriss, J. 2005. Great Promise, Hubris and Recovery: A Participant's History of Development Studies. In *A Radical History of Development Studies: Individuals, Institutions and Ideologies*, edited by U. Kothari, 17–47. London, UK: Zed Books.

Hoffmann, M. J. 2011. *Climate Governance at the Crossroads: Experimenting with a Global Response After Kyoto*. Oxford, UK: Oxford University Press. https://doi.org/10.1093/acprof:oso/9780195390087.001.0001

Jernnäs, M., and B.-O. Linnér. 2019. A Discursive Cartography of Nationally Determined Contributions to the Paris Climate Agreement. *Global Environmental Change* 55: 73–83. https://doi.org/10.1016/j.gloenvcha.2019.01.006

Kaleb, M. A., O. John, and A. Humphrey. 2020. Climate Justice Within the UNFCCC Negotiations: The Case of the Rights of Indigenous Peoples from Copenhagen Accord to Paris Agreement. *International Journal of Natural Resource Ecology and Management* 5 (4): 160. https://doi.org/10.11648/j.ijnrem.20200504.13

Kanie, N., P. M. Haas, S. Andresen, G. Auld, B. Cashore, P. S. Chasek, J. A. P. De Oliveira, S. Renckens, O. S. Stokke, and C. Stevens. 2019. Green Pluralism: Lessons for Improved Environmental Governance in the 21st Century. In *Green Planet Blues*,

edited by G. D. Dabelko and K. Conca, 147–164. New York, NY: Routledge. https://doi.org/10.4324/9780429322204-15

Keane, J. 2003. *Global Civil Society?* Cambridge, UK: Cambridge University Press. https://doi.org/10.1017/CBO9780511615023

Kern, K., and H. Bulkeley. 2009. Cities, Europeanization and Multi-level Governance: Governing Climate Change Through Transnational Municipal Networks. *Journal of Common Market Studies* 47 (2): 309–332. https://doi.org/10.1111/j.1468-5965.2009.00806.x

Kothari, U. 2005. *A Radical History of Development Studies: Individuals, Institutions and Ideologies.* London, UK: Zed Books.

Kruse, J. 2014. Women's Representation in the UN Climate Change Negotiations: A Quantitative Analysis of State Delegations, 1995–2011. *International Environmental Agreements: Politics, Law and Economics* 14 (4): 349–370. https://doi.org/10.1007/s10784-014-9245-6

Leipold, S., P. H. Feindt, G. Winkel, and R. Keller. 2019. Discourse Analysis of Environmental Policy Revisited: Traditions, Trends, Perspectives. *Journal of Environmental Policy and Planning* 21 (5): 445–463. https://doi.org/10.1080/1523908X.2019.1660462

Lwasa, S., K. C. Seto, X. Bai, H. Blanco, K. R. Gurney, S. Kılkış, O. Lucon, J. Murakami, J. Pan, A. Sharifi, and Y. Yamagata. Forthcoming. Urban Systems and Other Settlements. In *IPCC WGII Sixth Assessment Report*. Cambridge and New York: Cambridge University Press. https://doi.org/10.1017/9781009157926.010

MacLean, J. 2003. Towards a Political Economy of Agency in Contemporary International Relations. In *Politics and Globalisation*, edited by M. Shaw, 184–211. London, UK: Routledge. https://doi.org/10.4324/9780203165409-23

Magnusson, W. 2013. *Politics of Urbanism: Seeing Like a City.* London, UK: Routledge. https://doi.org/10.4324/9780203808894

Martello, M. L. 2001. A Paradox of Virtue? "Other" Knowledges and Environment-Development Politics. *Global Environmental Politics* 1 (3): 114–141. https://doi.org/10.1162/152638001316881430

Meckling, J., and B. B. Allan. 2020. The Evolution of Ideas in Global Climate Policy. *Nature Climate Change* 10 (5): 434–438. https://doi.org/10.1038/s41558-020-0739-7

Mi, Z., D. Guan, Z. Liu, J. Liu, V. Viguié, N. Fromer, and Y. Wang. 2019. Cities: The Core of Climate Change Mitigation. *Journal of Cleaner Production* 207: 582–589. https://doi.org/10.1016/j.jclepro.2018.10.034

Olazabal, M., E. Chu, V. C. Broto, and J. Patterson. 2021. Subaltern Forms of Knowledge Are Required to Boost Local Adaptation. *One Earth* 4 (6): 828–838. https://doi.org/10.1016/j.oneear.2021.05.006

Pascual, U., W. M. Adams, S. Díaz, S. Lele, G. M. Mace, and E. Turnhout. 2021. Biodiversity and the Challenge of Pluralism. *Nature Sustainability* 4 (7): 567–572. https://doi.org/10.1038/s41893-021-00694-7

Satterthwaite, D., D. Archer, S. Colenbrander, D. Dodman, J. Hardoy, D. Mitlin, and S. Patel. 2020. Building Resilience to Climate Change in Informal Settlements. *One Earth* 2 (2): 143–156. https://doi.org/10.1016/j.oneear.2020.02.002

Snyder, F. 1999. Governing Economic Globalisation: Global Legal Pluralism and European Law. *European Law Journal* 5 (4): 334–374. https://doi.org/10.1111/1468-0386.00087

Taylor, L., and R. Schroeder. 2015. Is Bigger Better? The Emergence of Big Data as a Tool for International Development Policy. *GeoJournal* 80 (4): 503–518. https://doi.org/10.1007/s10708-014-9603-5

Thew, H., L. Middlemiss, and J. Paavola. 2020. "Youth Is Not a Political Position": Exploring Justice Claims-Making in the UN Climate Change Negotiations. *Global Environmental Change* 61: 102036. https://doi.org/10.1016/j.gloenvcha.2020.102036

Thew, H., L. Middlemiss, and J. Paavola. 2021. Does Youth Participation Increase the Democratic Legitimacy of UNFCCC-Orchestrated Global Climate Change Governance? *Environmental Politics* 30 (6): 873–894. https://doi.org/10.1080/09644016.2020.1868838

Tollin, N., and J. Hamhaber. 2017. *Sustainable Urbanization in the Paris Agreement: Comparative Review for Urban Content in the Nationally Determined Contributions (NDCs)*. Nairobi: UN-Habitat.

Yamin, F., and J. Depledge. 2004. *The International Climate Change Regime: A Guide to Rules, Institutions and Procedures*. Cambridge, UK: Cambridge University Press. https://doi.org/10.1017/CBO9780511494659

Yeates, N. 2002. Globalization and Social Policy: From Global Neoliberal Hegemony to Global Political Pluralism. *Global Social Policy* 2 (1): 69–91. https://doi.org/10.1177/1468018102002001095

Young, O. R. 2020. Shifting Ground: Competing Policy Narratives and the Future of the Arctic. In *The Arctic and World Order*, edited by K. Spohr, D. S. Hamilton and J. C. Moyer, 47–62. Washington, DC: Johns Hopkins University Press.

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