Populist authoritarian neoliberalism in Brazil: making sense of Bolsonaro's anti-environment agenda

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Abstract
In Brazil, the looming threat of mass extinction has prompted increasingly exceptional measures to protect sensitive biomes. At the same time, such measures threaten to curtail capitalist expansion and thus Brazil's neoliberal model of economic development. Jair Bolsonaro's 2018 presidential campaign responded to these threats by fueling anti-environment sentiments and anti-environmentalist enmity. Once inaugurated, he immediately began the work of dismantling national environmental governance structures. Yet his strategies for doing so are often masked by what this article describes as a 'firehouse effect', where his tactics appear chaotic, confused, and lacking any particular goal. The article uses a combination of interviews with 35 environmental experts, participant observation, and a review of secondary sources to zoom in on Bolsonaro's anti-environmentalism within the context of the contemporary turn toward populist authoritarian neoliberalism. By focusing on how Bolsonaro's policies serve to weaken protective environmental measures that limit capitalist extraction, the article unearths the major anti-environment strategies of the Bolsonaro administration. This framework thus allows us to see through the 'firehouse effect' to make some sense of Bolsonaro's methods, further building on emerging research on the political ecologies of the contemporary populist authoritarian neoliberal turn. Moreover, the article shows the utility of applying a generalized populist authoritarian neoliberal framework to a particular context in order to identify its local processes and specificities.

Keywords: Populist authoritarian neoliberalism, environmental governance, Bolsonaro, Brazil, 'firehouse effect'

Résumé
Au Brésil, la menace imminente d'extinction massive a suscité des mesures de plus en plus exceptionnelles pour protéger les biomes sensibles. Simultanément, de telles mesures menacent de freiner l'expansion capitalist et donc le modèle néolibéral de développement économique du Brésil. La campagne présidentielle de Jair Bolsonaro en 2018 a répondu à ces menaces en alimentant les sentiments anti-environnementaux et l'inimitié anti-environnementaliste. Une fois inauguré, il a immédiatement commencé à démanteler les structures nationales de gouvernance environnementale. Pourtant, ses stratégies pour y parvenir sont souvent masquées par un « effet de diversion », où ses tactiques semblent chaotiques, confuses et sans objectif particulier. L'article utilise une combinaison d'entretiens avec 35 experts en environnement, la participation et l'observation en 2019, et un examen des sources secondaires pour se concentrer sur l'anti-environnementalisme de Bolsonaro dans le contexte du néolibéralisme autoritaire populiste. En se concentrant sur la façon dont les politiques de Bolsonaro affaiblissent les mesures de protection environnementales qui limitent l'extraction capitalist, l'article met au jour les principales stratégies anti-environnementales de l'administration. Ce cadre nous permet de voir à travers « l'effet de diversion » pour donner un sens aux méthodes de Bolsonaro, en s'appuyant sur les recherches

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Bolsonaro's anti-environment agenda

1. Introduction

The Amazon rainforest is the largest and most biodiverse tropical rainforest in the world, with 60% falling within Brazilian borders. Although the rainforest is most likely what comes to mind when people contemplate environmental politics in Brazil, the country is home to two other important biodiversity hotspots – the Atlantic Forest and the Cerrado (Myers et al. 2000). The relatively high rate of habitat loss in all three biomes – the latter up to and over 90% – has stoked a deep sense of urgency to curtail deforestation in Brazil, with conservationists using a combination of surveillance via satellite (Voiland 2019) and legal structures (Jung et al. 2017) to limit extractive practices in these biomes.

In what has been referred to as a judicial-parliamentary coup, Brazil's former president Dilma Rousseff of the Worker's Party (PT) was impeached in 2016 (Saad-Filho and Boffo 2020). And after the failure of her successor (and former vice president) Michel Temer's administration to address a deepening economic crisis, Luiz Inácio Lula da Silva (aka Lula) appeared likely to win the 2018 election. A founding member of the PT, Lula had previously served as president from 2003-2011 and is widely regarded as one of Brazil's most popular presidents (Saad-Filho and Boffo 2020). However, in a continued attempt to take down the PT, Lula was arrested in April of 2018 under charges of corruption (Wilkinson 2018). Taking advantage of the political unrest associated with corruption scandals and the economic crisis, Jair Bolsonaro, a retired military officer and member of the conservative Social Liberal Party, ran a contentious and polarizing campaign steeped in a politics of enmity towards the environment and 'others'.

In January 2019, Bolsonaro was inaugurated as Brazil's president. Congruent with Brazil's agribusiness and associated interest groups, he insisted that Brazil's economic failures are, amongst others, a result of the

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2 Lula was released in November 2019, the charges were later annulled, and the presiding judge Sergio Moro was found to be biased by the Supreme Court (Brito 2021).

3 As McCarthy (2019) notes, the distinction of internal and external 'others' (e.g. immigrants and racialized minorities) as enemies of progress is a common tactic of populist authoritarian neoliberal leaders and assists the justification of the dissolution of democratic protections, norms, and institutions.
measures taken to combat biodiversity loss and species extinctions. He immediately began the work of dismantling national environmental governance structures and institutions. His anti-environment actions were so swift and numerous that the press had difficulty deciding which ones to headline (Gonzales 2019). For example, when Bolsonaro's initial plans to merge the Ministry of Environment (MMA) with the Ministry of Agriculture, Livestock, and Food Supply (MAPA) met opposition (Casado and Londoño 2019), he instead appointed Ricardo Salles⁴ as head of the MMA. Salles, who was convicted of altering an environmental protection plan to benefit extractive industry as former head of a São Paulo state environmental agency, went to work turning the MMA into a pro-agribusiness ministry (Schipanii and Harris 2019), thus "answering the Rural Caucus' interests" (Environmental Nongovernmental Organization [ENGO] employee specializing in public policy, July 2019). Around the same time, Bolsonaro announced plans to move environmental licensing to a self-regulated scheme (Gonzales 2019). On the day of his inauguration, Bolsonaro issued a presidential decree to "supervise, coordinate, monitor and accompany the activities and actions of international organizations and nongovernmental organizations (NGOs) in the national territory." As part of this initiative, Salles immediately suspended all partnerships between NGOs and federal environmental agencies in Brazil, pending a review of all such partnerships (Stargardter 2019).

Over two years later, there continue to be signs that Bolsonaro is weakening environmental agencies, easing and privatizing environmental regulation, and diverting environmental funding to agribusiness (Branford and Torres 2021; Escobar 2021; Reuters 2021). Yet his attempts to do so have often seemed chaotic, disorganized, and haphazard, creating the appearance of a lack of strategy.⁵ In part, this is due to his conflicting declarations of his love for the environment and his record of dismantling protective measures for that same environment (Fox and Lang 2019). But this perception is also due to his penchant for issuing statements that are overwhelmingly falsifiable (Aos Fatos 2019) and presidential decrees on actions that are not possible nor legal (Coletta and Faria 2019; Spring 2019a; The Associated Press 2019). Also contributing to the perception of a lack of strategy, Bolsonaro is known for 'shooting from the hip.' In his first six months in office, he issued 202 decrees compared to 94 and 174 for the two presidents before him (Harris and Schipanii 2019). From an outside observer's perspective, his actions indicate a high degree of incompetence. Yet the net effect has been that Bolsonaro has succeeded in weakening environmental governance structures in Brazil (Ferrante and Fearnside 2019; Spring 2019b).

Although the rapid ascendance of Bolsonaro came as a surprise to many, it is consistent with the more general recent trend toward populist authoritarian neoliberalism across the globe. As is the case in Brazil, this trend is widely recognized as emerging from the continued failure of neoliberal reforms to address problems of growing socioeconomic inequality, unemployment, and poverty following the 2008 economic crisis (Bruff and Tansel 2019b; Fabry and Sandbeck 2019b; McCarthy 2019). Yet there is some debate on how the shift to neoliberal authoritarianism unfolds and few studies that have examined this shift have focused their analysis on environmental deregulation. Moreover, although such works are beginning to emerge, few have sought to understand the role of antics (seemingly random and erratic behaviors and actions) in masking this shift. In this article, I address these gaps by examining Bolsonaro's anti-environmentalism within the context of the contemporary turn toward populist authoritarian neoliberalism. I do so by going directly to environmental experts, including those in academia, government agencies, and NGOs.

My reasoning for this approach was that, regardless of how participants felt personally toward Bolsonaro, environmental experts would presumably have reliable knowledge on the anti-environmental effects of Bolsonaro's policies. Building on this knowledge, I argue that there are at least five major strategies that can be identified in Bolsonaro's antics and that the 'firehouse effect' works to mask these. The strategies include the 'skeletonizing' of environmental administrative bodies, dissolution of CONAMA and other civic spaces,

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⁴ At the time of the latest draft of this article, Salles recently resigned after facing illegal logging probes. He was replaced by a 20+ year veteran agribusiness lobbying board member, Joaquim Alves Pereira Leite (Ennes 2021).

⁵ In this article I use the term 'strategy' to refer to an overall plan for accomplishing specific goals. I thus use the term interchangeably to describe Bolsonaro's 'master plan' of removing barriers to capital accumulation, as well as his specific sets of plans for achieving this goal (e.g. 'skeletonizing' of environmental bodies). I use the term 'tactic' to refer to specific actions that are deployed as part of a strategy.
reorganizing within the ministries, defunding of NGOs and federal universities, and cooptation of exceptional environmental measures in times of crisis. I describe each of these in the below sections. Before I get to these, however, I briefly summarize the situation in Brazil and review the literature on political ecologies of authoritarian neoliberalism and the strategies employed by authoritarian neoliberal leaders with respect to the environment.

2. Extinction, exception, and enmity in Brazil

In recent history, Brazil was widely acknowledged as a global leader in combating climate change and species extinctions (Branford and Borges 2019; Casado and Londoño 2019; Trinkunas 2014; Viscidi and Graham 2019). Through a combination of measures that included stricter legislation, law enforcement, and monitoring and surveillance to crack down on illegal logging and support reforestation, Brazil was able to reduce its deforestation rate by around 80% between 2005 and 2012, among other environmental successes (Silva Junior et al. 2021). At the same time, the measures that led to these results were often criticized as being too restrictive, in terms of regulations on land use for Brazil's agricultural outputs (Arsenault 2017). For example, agricultural and ranching businesses with unpaid environmental fines were prevented from receiving government subsidies until settling their debt, municipalities with high rates of illegal deforestation were "blacklisted", and the network of Protected Areas was expanded (Carvalho et al. 2019).

Recently, the government began to implement the Cadastro Ambiental Rural (CAR), a registry that was set up to track compliance with the part of the Brazil's Forest Code6 that requires specific percentages of private land to be set aside for conservation (the percentage varies with location). Although Philippe Le Billon highlights how CAR has led to land grabbing by agribusinesses in some cases (Le Billon 2021), conservationists have found it to be a particularly important tool for establishing wildlife corridors, which are tracts of land that connect isolated forest patches to offset the effects of habitat fragmentation, one of the primary drivers of extinction (Crooks et al. 2017). To help ensure compliance with the Forest Code, CAR registrants are monitored by Brazil's National Institute for Space Research (INPE), which has made extraordinary advances in tracking deforestation through satellite imagery, allowing for more efficient and targeted responses to illegal logging and land clearing (Assunção, Gandour and Rocha 2013; Assunção and Rocha 2019; Puthuparambil 2019). All of these exceptional measures have been important for tackling high rates of deforestation and species extinctions in Brazil.

While many of the restrictions on extractive practices and land use in Brazilian forests were eased by the 2012 modifications to Brazil's Forest Code, several politicians still claim that the exceptional environmental regulations in Brazil are at the root of the deepening economic crisis (Arsenault 2017; Nugent 2021). Among these is Jair Bolsonaro, who in addition to blaming corruption for Brazil's economic woes has described Brazil's environmental protection as "suffocating" economic growth (Rachman, Blasina and Schipani 2019; Viscidi and Graham 2019) and believes that "environmental politics (is getting) in the way of business" (ENGO employee specializing in public policy, April 2019). Bolsonaro is staunchly pro-business, known for his disregard for environmental regulations (Spring and Eisenhammer 2019) and science (Escobar 2021; Tollefson 2018), and for making racist, misogynistic, homophobic remarks (Borba 2020; Kaul 2021; Lehman 2018; Da Silva and Larkins 2019). He garnered popular attention during the presidential campaign by promising to fix corruption and perceived threats to the national economy of Brazil with swift, decisive, and uncompromising action (Hunter and Power 2019; Tollefson 2018). He captured the economic angst of the 'ordinary' citizen and directed it toward internal and external racialized and 'ideological' 'others' (Borba 2020; D. Phillips 2019a; Tollefson 2018). These ideological others include all those who would get in the way of economic expansion through capital accumulation, especially environmental and social advocates, and particularly scientists that support these advocates' claims (Acebes, Wilkinson and Téllez-Chávez 2019; Pettorelli et al. 2019; Tollefson 2018). His campaign was steeped in anti-environment enmity with direct attacks on prominent Brazilian environmental figures (Acebes, Wilkinson and Téllez-Chávez 2019) and promises to roll back environmental regulations and enforcement to free up land for development and extraction (Bogliolo 2019; Casado and Londoño 2019; Saad-

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6 The Forest Code of 1965 is the country's main mechanism for forest protection on private lands.
Filho 2018). Once in office, he has pursued his campaign promises with fervor and total disregard for the Constitution and legislative processes, often attempting to dismantle and eradicate legal barriers to his agenda (Coletta and Faria 2019; Observatório do Clima 2020).

For these and other reasons, many analysts recognize Bolsonaro as a populist authoritarian neoliberal (McCarthy 2019; Saad-Filho 2018). At the same time, his antics make his tactics seem so chaotic and unplanned that many environmental experts have expressed difficulty with determining whether he has any strategy, or if he is just 'shooting from the hip' (Cowie, 2018; Harris and Schipanii, 2019; and as demonstrated in Section 4). Moreover, since this 'shooting from the hip' has been given so little attention in the literature on populist authoritarian neoliberal environmental governance, there is no guide for understanding how such behavior may serve to mask strategies. As the home of some of the most important areas in the world for biodiversity and climate stability, Bolsonaro's campaign promises to eliminate environmental restrictions on extraction are alarming. Moreover, it seems important to understand the anti-environmentalism of populist authoritarian neoliberal leaders and how it relates to their strategies if we hope to develop effective counterstrategies. Next, I review the literature on political ecologies of authoritarian neoliberalism and the environmental strategies of populist authoritarian neoliberals to situate Brazil and Bolsonaro within this broader context and argue that this allows us to start making sense of his antics.

3. Political ecologies of authoritarian neoliberalism

The rise of countries turning toward an 'authoritarian fix' (Bruff 2014) is rapidly becoming a focus of study and cause for alarm. Putin in Russia and Xi in China in 2012, Modi in India and Erdoğan in Turkey in 2014, Duterte in the Philippines in 2016, Battulga in Mongolia and Trump in the US in 2017, Bolsonaro in Brazil in 2019, and, most recently as of this writing, Johnson in the UK in 2019. Each of these countries has its own particularities and histories that led to the election of populist neoliberal 'strongmen.' But what they have in common is their political economic trajectories characterized by the failure of neoliberal reforms to address deepening crises of socioeconomic inequality, unemployment, and poverty (Brown 2020; Fabry and Sandbeck 2019a; Fraser 2017). Although many scholars have written about these trends and their relationship to the contemporary populist authoritarian turn, Ian Bruff (2014) is one of the first analysts to define 'authoritarian neoliberalism' and use it as a theoretical framework through which to understand the post-2008 global trend toward 'strongman' leadership (Fabry and Sandbeck 2019a).

Although the populist authoritarian strand of the aforementioned turn seems relatively uncontested in the academic literature, the neoliberal strand is not always so clear. For example, the determined attempts of leaders such as Trump and Johnson to exit international partnerships and free trade agreements may be interpreted as a withdrawal from neoliberalism by some. However, several scholars have argued that such attempts at protectionism do not signal a departure from neoliberalism (Bell and Christoph 2020; Cornelissen 2021; Cozzolino 2018; Fuchs 2017). On the contrary, analysts such as Wraith (2019) have honed in on this 'neoliberal protectionism' to demonstrate how Trump's trade policy (2017-2021) was actually a return to past neoliberal practices. Such practices are aimed at forcing other nations to fall into line with their market-based logic, with coercion operating through "the blunt use of protectionism or threats of protectionism... as a device by which powerful nations, like the US, can insist on the imposition of market driven norms" (ibid. p. 741).

In addition to discussions on what characterizes neoliberal leaders, the utility of using a neoliberal framework to analyze seemingly disparate actors, contexts, and cases such as the ones above, has been the subject of ongoing academic debate (see Cahill et al., 2018 and Peck and Theodore, 2019 for summaries). This debate usually occurs as two supposedly polar opposites, where scholars tend toward one of "the twin pitfalls
Deutsch

Bolsonaro's anti-environment agenda

of both monolithic fetishization, on one hand, and endless contextualization on the other" (Holmes and Cavanagh 2016, p. 201). However, Brenner and Theodore (2002) argue that 'actually existing neoliberalism' is best understood as a series of processes of neoliberalizations, that interact with local realities in context-dependent ways. Thus neoliberal proponents and leaders engage different processes and strategies of neoliberalization, depending on the tools and opportunities available to them (Dawes and Lenormand 2019; Peck 2013). Following Holmes and Cavanagh, Brenner and Theodore, Peck, and others, Dawes and Lenormand (2019) attempt to find a middle ground between the two pitfalls by "accommodating a fluid and variegated appreciation of contextual difference while maintaining a structural approach that recognizes the ways in which local differences and contextually embedded forms are shaped by wider processes" (p. X). This becomes ever more important as there is clearly an increasingly authoritarian tenor to these processes; that is to say leaders of contemporary democracies are increasingly engaging in such processes without consent (whereas before there was at least the illusion of it) (Brown 2020; Bruff 2014; Peck and Theodore 2019). This article builds on this work by using a populist authoritarian neoliberal framework to tease out local manifestations of populist authoritarian neoliberal tactics that may otherwise be lost in 'endless contextualization.'

Since Bruff's (2014) foundational article on 'authoritarian neoliberalism', references to the term and its broad applications have grown – often as collaborative efforts to grapple with the problem – at multiple conferences, in edited volumes and special issues, and in stand-alone articles. Such attempts to understand and theorize authoritarian neoliberalism in all its shapes and forms have covered myriad and broad topics, but few have focused on these as they relate to the environment. There was a notable lack of such analyses in the Oxford Handbook of the Radical Right (Rydgren 2018), which contained chapters on multiple themes and connections. The environment is also missing from several other prominent works on authoritarian neoliberalism, including Cas Mudde's (2019) The Far Right today, the special issue on 'Authoritarian Neoliberalism: Philosophies, practices, contestations' in Globalizations (Bruff and Tansel 2019b), and on 'Authoritarian Neoliberalism' in Competition & Change (Fabry and Sandbeck 2019b). This is certainly not for a lack of links between the two. Indeed, "(t)he connections between the widespread rise of authoritarian and populist leaders, administrations, and movements on the one hand and destructive trends in environmental politics and governance on the other are legion" (McCarthy, 2019, p. 305). Yet, to my knowledge, the only collaborative attempt to understand contemporary authoritarianism that includes a discussion of the environment, is the recent special issue in the Annals of the American Association of Geographers on 'Environmental governance in a populist/authoritarian era' (McCarthy, 2019).

In the introductory article to the Annals issue, McCarthy (2019) argues that:

…many contemporary authoritarian regimes are pursuing and deepening long-standing neoliberal goals with respect to the environment, removing restrictions on capitalist production by withdrawing from constraining international agreements and standards, rolling back domestic environmental protections, and appointing heads of polluting corporations to head the very agencies that are supposed to regulate those corporations. (p. 306)

Yet such practices have not occurred without dissent. And this is where authoritarian neoliberalism departs from its predecessor, 'progressive' neoliberalism. According to Bruff (2014, p. 116, emphasis in original), "(a)uthoritarian neoliberalism does not represent a wholesale break from pre-2007 neoliberal practices, yet it is qualitatively distinct due to the way in which neoliberalism's authoritarian tendencies . . . have come to the fore through a shift toward constitutional and legal mechanisms and away from seeking consent for hegemonic projects." Still, a major question remains: How do these shifts occur? In other words, how does one accomplish this elimination of the need for consent without . . . consent?

To answer this question, some have argued that authoritarian strategies include attempts to marginalize, discipline, and control "dissenting social groups and oppositional politics rather than strive for their explicit consent or co-optation" (Bruff and Tansel 2019a, p. 234). With respect to the environment, Acara (2019) discusses how the strategies of centralization and lack of transparency and clarity in water resource governance
Deutsch

Bolsonaro's anti-environment agenda

in Turkey has normalized such processes in the country in general. Mullenite (2019) demonstrates how flood control infrastructure design and management have been used in Guyana to create and maintain ethnic divisions that served to support an ethnic nationalist authoritarian regime. Arefin (2019) describes how the Egyptian state has reframed the causes of environmental disasters in ways that support the continued control of the repressive regime. Rather than acknowledging the cause of a severe flood as a failure of environmental governance and a result of climate change, the Egyptian state claimed the floods were an act of terrorism. In this way, the state is able to simultaneously relieve itself of obligations with regard to environmental governance, while creating justifications for its continued restrictions of freedoms and use of force.

Several scholars have also noted manipulation of emotions by discursively linking values with political ideologies and agendas as a primary strategy of the far right, with some examining the specific ways this strategy is deployed with respect to ideas of climate change and energy extraction (Forchtner, Kroneder and Wetzel 2018; Graybill 2019; Lockwood 2018). Still others have observed the important role that discourses and narratives around peace and security play in helping secure authoritarian power and control over environmental resources (Kantel 2019). While studies such as these on environmental governance strategies during the shift to authoritarian neoliberalism have begun to emerge, few have addressed the antics – seemingly random and erratic behaviors and actions – that often accompany these shifts. Several studies have relied on the idea of 'spectacle' to explain how Trump's antics quickly gained him popularity and secured his win at the 2016 US Presidential election (Fuchs 2017; Hall, Goldstein and Ingram 2016; Kellner 2016). Pulido et al. (2019) show how Trump's rise in the use of 'spectacular racism' corresponded to an intensification of environmental deregulation. They argue that the 'spectacular' ways in which Trump deploys his racism, amongst others, functions to effectively mask the processes of environmental deregulation as they unfold. However, few studies have gone beyond the distractive aspect of 'spectacle' to examine the sense of chaos and confusion such antics create. Nor have studies interrogated how such effects add to the difficulty of identifying specific strategies, lending assistance to 'spectacle' in masking the shift to authoritarian neoliberalism and hampering efforts to stop or reverse it.

Bolsonaro demonstrates some of the same antics characteristic of Trump's campaign and presidency, and many environmental experts have struggled to make sense of his anti-environment strategies. As discussed above and in alignment with other populist authoritarian neoliberal leaders, Bolsonaro has clearly stated that he intends to remove barriers to capital accumulation. Thus, to make sense of Bolsonaro's anti-environment strategies, I begin with the assumption that such strategies are likely to proceed with the main goal of restructuring federal governance mechanisms to eliminate barriers to capital accumulation. Anti-environmentalist enmity, then, serves as a vehicle for de-legitimizing supporters of environmental safeguards and thus becomes an insurance policy against the resurrection of impediments to unrestrained accumulation. Accordingly, by asking the question "How does each strategy accomplish the goal of removing barriers to capital accumulation?" we can begin to fit Bolsonaro's strategies into a framework that allows us to make sense of his seemingly random tactics. To begin this work, I explain how the 'firehouse effect' may make it difficult to tease out Bolsonaro's strategies, but that viewing Bolsonaro's anti-environmentalism through an authoritarian neoliberal lens helps to bring these into clear(er) focus. Thus, I outline five major strategies of the Bolsonaro administration, demonstrating how they might serve the neoliberal goal of removing barriers to capital accumulation by weakening protective environmental measures and intensifying anti-environmentalist enmity to hamper advocates' ability to fight back.

4. Making sense of Bolsonaro's strategies

In order to understand and track Bolsonaro's strategies with respect to the environment, I went to Brazil three times in 2019 for a total of 12 weeks to interview, and re-interview, 35 environmental experts in government agencies, academia, and environmental/socioenvironmental non-governmental organizations (ENGOs/SENGOs). My understanding of these strategies comes from these interviews, participant observation,
and casual conversations, as well as from a review of secondary sources – particularly popular news media, which were used for verification and clarification of facts and events referred to by interviewees.7

When asked about Bolsonaro's anti-environment strategies and potential counterstrategies, the majority of interviewees relayed a sense of chaos and confusion. "People are totally lost and don't know what to do", explains an ICMBio employee (March, 2019). This includes employees in senior positions who were "kind of lost and confused and following orders." (ibid.) According to a founder of a major ENGO, Bolsonaro's strategy "changes from one day to the other without telling all of his team" as her co-founder chimes in "childish behavior" (March 2019). Another interviewee explained "We're trying to be kind of focused because there are so many threats from different directions" (ENGO employee specializing in public policy, April 2019). Even by July, the sentiment was "everybody is I think still (saying), '… This is very different. This is very strange, how do we act now?'" (SENGO executive team member, July 2019). And although several interviewees had devised ways of developing counterstrategies by October, there was still an overall sense that "we are in this completely crazy situation that things happen (all the) time . . . there are so many things that happen here, like surreal things" (Director of SENG, October 2019).

Rather than simply referring to Bolsonaro's erratic behaviors as antics, one of the interviewees referred to these as the 'firehouse strategy', where innumerable 'fires' are set and draw out 'fire fighters', leaving the 'firehouse' empty and the 'fire fighters' mired in chaos. Or, as the interviewee put it: "... (the extreme right government) say(s) lots of stupid and crazy things for people to try to address these absurdities. And then, behind, they make very important changes in law" (ENGO employee specializing in public policy, April 2019). It mirrors Trump's strategy of spectacle as described above, yet it is unclear whether Bolsonaro is engaging such a strategy with intention.8 Such an analysis is beyond the scope of this article, but the effect is nonetheless notable, and goes beyond spectacle as it carries a significant component of confusion. Thus, I argue that the 'firehouse effect' is brought on by at least six behaviors of a leader:

1) making statements that conflict with actions;
2) making statements about intent to do something, then retracting the statement shortly afterwards;
3) lying or making misleading statements;
4) issuing statements and/or decrees that clearly reveal an intent to perform illegal and/or unconstitutional acts;
5) making offensive statements about marginalized categories of people; and
6) doing all of these things in constant and rapid succession.

The composite of these elements is often mistaken for incompetence, but whether or not incompetence is at play, the effect is that it makes it difficult to identify particular strategies.

Bolsonaro's 'firehouse effect' is rich with examples of all of the above elements. His statements about the environment frequently conflict with his actions, such as his profession of "profound love and respect for the Amazon" (T. Phillips 2019) and his declaration that "protecting the forest is our duty, acting to combat illegal deforestation and any other criminal activities that put our Amazon at risk" (Fox and Lang 2019), while simultaneously weakening protection of the Amazon, leading to the highest deforestation rate in over a decade

7 To be cited, popular news media sources had to have an Ad Fontes reliability score of 40 or above (see www.adfontesmedia.com), a Media Bias/Fact Check factual reporting assessment of "high" (see www.mediabiasfactcheck.com), or were recommended by interviewees as a known reliable news source in Brazil (e.g. Folha de S. Paulo).

8 At a ministerial meeting in May 2020, the minister of environment (Salles) suggested that the administration take advantage of the opportunity of the media's preoccupation with the COVID-19 crisis, as the numbers of cases and deaths continued to surge in Brazil, to work on environmental deregulation "while we are at this moment of tranquility in terms of press coverage" (Bragança and Menegassi 2020; Uribe 2020). This suggests that the administration is both aware of the political advantage of distraction and more than willing to exploit such opportunities.
Deutsch

Bolsonaro's anti-environment agenda

As mentioned above, he has also said that he would merge the ministries of environment and agriculture, later deciding not to (Casado and Londoño 2019; globo.com 2018). He stated an intent to leave the Paris agreement, but later withdrew his statement (Viscidi and Graham 2019). Aos Fatos, an independent fact-checking agency in Brazil, analyzed 149 statements made by Bolsonaro in the first 10 weeks of his presidency and found that 55% of those statements "were completely false or had some degree of error" (Aos Fatos 2019). He has attempted to move the demarcation of indigenous lands from the Ministry of Justice to the Ministry of Agriculture even after Congress rejected the move (Fox and Lang 2019), issued a decree to ease restrictions on guns (Harris and Schipanii 2019), and attempted to abolish the majority of civic spaces within the administrative structure for public participation (Decree No. 9,759 of April 11, 2019). All of these were rejected by either Congress or the Supreme Court as unconstitutional (Arbex 2019; Coletta and Faria 2019; Harris and Schipanii 2019). Bolsonaro's racist, misogynistic, and homophobic comments are now well known (Borba 2020; Kaul 2021; Lehman 2018; Da Silva and Larkins 2019). Although it remains unproven, several journalists have suggested that, as Trump did, Bolsonaro uses outrageous and offensive comments to distract from scandals, such as when his son was accused of money laundering (see for example Phillips, 2020; Romm, 2019).

All these elements of the 'firehouse effect' are mobilized constantly and in rapid succession, earning Bolsonaro his reputation of 'shooting from the hip' (Cowie 2018; Harris and Schipanii 2019). In the first three weeks of his presidency alone, the Bolsonaro administration announced restrictions on international NGOs and all NGO partnerships with environmental civil service agencies, moved the responsibility of the demarcation of indigenous lands from the Ministry of Justice to the Ministry of Agriculture, eliminated the responsibility of ensuring LGBT rights from the Human Rights Ministry, issued a decree to reduce national ministries from 29 to 22, reviewed government contractors and fired those who didn't share the political ideologies of Bolsonaro's administration, scaled back environmental enforcement, pulled out of a UN Migration accord with 160 signatories, eased restrictions on gun ownership, and legalized the use of 131 previously restricted pesticides. I suggest that this rapid deployment of anti-advocate measures are masked, at least initially, as advocate social movements try to keep up and triage responses, by the multiple ways Bolsonaro deploys elements of the 'firehouse effect' as he dismantles measures meant to protect the environment, as well as human rights.

Below, to break through the 'firehouse effect', I explore five of Bolsonaro's anti-environment strategies and how these meet the two goals of weakening of protective environmental measures and delegitimizing supporters of those measures. Some of the strategies may not necessarily have been deployed as solely anti-environmental (i.e. they may be more anti-regulation in general), but certainly have at least a partial anti-environment agenda and are thus still notable.

'Skeletonizing' environmental administrative bodies

When Bolsonaro initially proposed to eliminate the Ministry of Environment (MMA), collapsing it into the Ministry of Agriculture (MAPA), he was met with resistance not just from the opposition, but also by his constituents who thought it was a bad idea (Rocha, 2020; ENGO employee specializing in public policy, April 2019). Without at least the appearance of environmental care, many in the sector were afraid to lose their competitive edge in the global market, especially for beef and soy (Casado and Londoño 2019). So Bolsonaro decided to keep the MMA. On paper at least (Observatório do Clima 2020). But his administration eliminated two departments in charge of climate change and mitigation, as well as one tasked with fighting deforestation (Escobar 2019a) and moved the Brazilian Forest Service (SFB), which includes the rural environmental registry (CAR) to MAPA (Observatório do Clima 2020) under the supervision of Valdir Colatto, who worked against the Forest Code (Gonzales 2019). He also transferred the management of water resources to the Ministry of Regional Development (Observatório do Clima 2020). Meanwhile, Bolsonaro's new pro-agriculture minister of the environment, Ricardo Salles, was swift to demote almost all civil servant employees who held managerial,

9 Here, I take the commonly accepted definition of 'social movements' in Social Movement Theory literature: "collective challenges, based on common purposes and social solidarities, in sustained interaction with elites, opponents, and authorities. This definition has four empirical properties: collective challenge, common purpose, social solidarity, and sustained interaction" (Tarrow 2011, p. 9).
coordination, and leadership positions in the Ministry of Environment, as well as ICMBio – the governmental unit that provides research and monitoring of protected areas and species to guide environmental regulations – and IBAMA, the governmental unit that enforces environmental regulations (Audi and Martins 2019).

The Bolsonaro administration has also been working hard at cutting the funding to ICMBio and IBAMA, with IBAMA receiving a 24% cut in its budget and the MMA spending only R$ 1.17 million (US$402,500) on policy planning and management in the first eight months of 2019, compared to R$ 35.6 million (US$8.4 million) in the same period the year prior (Girardi 2019). Employees of ICMBio and its affiliated research institutions that I interviewed for this project were aware that there had been some discussion on the restructuring of ICMBio and possible elimination of several research centers but, as of October 2019, they had still not received the restructuring plans, nor the budget for 2019. Understandably, this limited their activities, with several feeling that this was an intentional move to render them ineffective. Moreover, with each of my visits to Brazil, it was clear that living under such uncertainty, where one might lose their job at any moment, was wearing down on research center employees and their resolve. Many expressed an increasing feeling of despair, and exhaustion from being in a constant state of uncertainty, to the point where they were becoming apathetic as a protection mechanism. Referencing a quote of a biologist in a report by Bernardo Esteves (2019), one of the interviewees summed up the process by declaring: "(Salles is) working like a termite. He's destroying from inside and you cannot see it from outside. And inside everything is gonna be destroyed" (ICMBio employee, July 2019). I refer to this process as the 'skeletonizing' of environmental administrative bodies, where the basic structure is left in place, but all of the 'meat', the 'muscle', has been removed.

Although such 'skeletonization' of environmental administrative bodies is not new to the neoliberal landscape and has been occurring in various contexts for some time (Peck 2001), what signifies a shift toward removal of consent (and thus the authoritarian form of neoliberalism) is the silencing of MMA employees. According to several MMA employees, many of those who dissented, were fired (if they weren't tenured) or removed from their posts and demoted and/or given positions in remote areas of Brazil (if they were tenured). Others lamented the fact that "now, (the new government) close(s) our mouth and we can't say anything about anybody" (ICMBio employee, April 2019) complete with a media blackout order, which restricted them from posting or publicizing anything about their work, including conservation successes.

Weakening of protective measures

The 'skeletonizing' of environmental administrative bodies has proven effective at weakening both the production of new protective measures and the enforcement of established ones. As of October 2019, the MMA was still 24% empty and only 21 out of 27 state superintendent positions in IBAMA remained open according to several government employees. In the first eight months of 2019, there was a 29.4% reduction in fines for illegal logging compared to the same period in 2018 (BBC News 2019a). This was not due to a decrease in illegal logging as deforestation increased 30% in the period of August 2018 to July 2019 compared to the previous year according to Brazilian Space Research Institute (INPE), which monitors deforestation by satellite (Dwyer 2019; Vaughan 2019).

Moreover, according to several employees in ICMBio, Bolsonaro eliminated the screening process for applicants for positions in national environmental agencies, which require technical expertise and experience. Instead, he encouraged environmental military police to apply (Acebes, Wilkinson and Téllez-Chávez 2019; Observatório do Clima 2020). Their main qualification then, as one interviewee pointed out, was that they knew how to take orders without question or thought. These new directors and presidents lack both in technical expertise and strategic planning for environmental stability (Acebes, Wilkinson and Téllez-Chávez 2019). Furthermore, according to several government employees, because all of the decisions are made by these new employees, and because they take orders from above rather than base their decisions on science and technical expertise coming from below, the situation has effectively rendered the MMA and all of its affiliated institutions ineffective.
Anti-environmentalist enmity

Once Bolsonaro began to secure the ineffectiveness of the MMA and its affiliated institutions he was then able to use this ineffectiveness as further "proof" that such institutions are not working and are, therefore, unnecessary (as described by several interviewees and in Esteves, 2019). This adds to his claims that civil servants in the advocate movement are inept and incompetent (see Acebes et al., 2019; Casado and Londoño, 2019). In response to the INPE report on deforestation, Bolsonaro attempted to discredit Ricardo Galvão, the space agency's director (Tollefson 2019). The public dispute led to Galvão resigning even though the satellite images and their associated data, which support Galvão's claims, are open and available to the public (BBC News 2019b). When he is not de-legitimizing supporters of protective measures, he accuses them of foul play, such as when he blamed NGOs for starting the Amazon fires that made international news in August 2019 (BBC News 2019b).

Dissolution of CONAMA and other civic spaces

Going hand in hand with the skeletonizing of environmental administrative bodies is the dissolution of civic spaces. In March 2019, the Bolsonaro government issued a decree to dissolve Brazil's National Councils, terminate the National Social Participation Policy, and dismantle spaces within the administrative structure for public participation. Members who thought their councils were important were told to write a letter justifying the existence of the council within 48 days and the government would decide which councils to recreate. According to several interviewees, two of the major targets of these attempts were Conservation Unit councils and the national council for the environment (CONAMA). Fortunately, the Supreme Court limited the effects of the decree to those that were not established through legal mechanisms, but civic spaces were still greatly reduced (Coletta and Faria 2019). According to a manager of a major ENGO, "In the past . . . we have a way to talk with (environmental agency employees). Established places where we can talk . . . we don't have space anymore to talk" (October 2019).

CONAMA is a particularly important one of these spaces and included representatives from the state, private, and public sectors. In May 2019, the council was reduced from 96 board members to 23 and the selection process was replaced with a lottery-style draw for 13 of the board members (Acebes, Wilkinson and Téllez-Chávez 2019; Observatório do Clima 2020). Civil society lost the greatest number of seats, shifting the weight of the council towards the federal government, which maintains the ten fixed (non-lottery) positions. As one interviewee put it: "So now (the government has) a body that will issue rules and decisions in a way that interests them" (ENGO employee specializing in public policy, July 2019).

Weakening of protective measures

CONAMA is responsible for deliberating on and advising government policy with respect to the environment and natural resources. As such, it sets the standards for environmental practices of businesses and corporations. Thus, shifting the power on the council in favor of the pro-business federal government allows for environmental measures to be interpreted in favor of business. This was made particularly clear with the highly controversial removal by the council of three Resolutions meant to protect the environment from private interests in September 2020 (Guimarães 2021). Moreover, the elimination of public participation in the form of various forums and councils, ensures a lack of oversight by and accountability to the public. The dissolution of public participation is itself a weakening of protective measures, but it also ensures that the public will have a reduced role (via their representatives) in deciding which protective environmental measures will be compromised to accommodate the expansion of businesses.

Anti-environmentalist enmity

By reducing public participation in governance, restriction of access to information is justified and public representatives are forced to turn to secondary sources for updates on government discussions and operations. With Bolsonaro's history of publicly attacking environmental scientists and leaders (Angelo 2019; Tollefson 2019), this does not bode well for a balanced understanding of the actions of these guardians of protective measures.
Reorganizing within ministries

Another tactic of the Bolsonaro administration has been to reorganize responsibilities within the ministries, especially to open up land for agricultural development and augment agribusinesses' control over land in general. Bolsonaro attempted to move the responsibility of the demarcation of indigenous lands from FUNAI (in the Ministry of Justice) to the Ministry of Agriculture (Acebes, Wilkinson and Téllez-Chávez 2019). This attempt failed. However, he did succeed in moving the body in charge of managing national forests, the Brazilian Forest Service (SFB), from the Ministry of Environment to the Ministry of Agriculture, as well as the management of water resources to the Ministry of Regional Development (Observatório do Clima 2020). The SFB is also responsible for the Rural Environmental Registry (CAR). Set up by the Forest Code of 2012, CAR requires a certain percentage of privately owned land to be set aside for conservation.

Weakening of protective measures

The relocation of CAR essentially means that 'the fox is guarding the hen house' as the head of the SFB, Valdir Colatto, is a member of the agriculture voting bloc and worked against the Forest Code (Gonzales 2019). Additionally, the movement of CAR and SFB has particularly significant implications for the conservation of jaguars (Panthera onca) and their habitats since conservationists, according to interviewees in ICMBio, ENGOs, and academia, have been working with landowners and CAR to coordinate conserved lands into corridors for jaguar use. According to an interviewee, who is an employee of ICMBio, the use of CAR for jaguar corridors is further confounded by Colatto's pro-hunting stance, as more farmers will have guns. Poaching of jaguars due to conflicts with farmers is one of the major threats to the large cat in many areas of Brazil (Paviolo et al. 2016). And without the ability to utilize CAR to allow for more free movement of the animals, there are few other means to mitigate conflict according to the interviewee.

Anti-environmentalist enmity

The intent behind the reorganization of ministries is clearly to allow agribusinesses to exercise control over the measures that restrict their activities (Acebes, Wilkinson and Téllez-Chávez 2019; Observatório do Clima 2020; D. Phillips 2019b). In the case of the relocation of CAR, jaguar conservationists have lost an important tool for jaguar conservation, hampering their ability to protect the jaguar from extinction. Since such processes are so complex, to the general public it may read as a simple failure of conservationists to do their jobs. Such is arguably the case with any tools for protecting nature that have been transferred to the hands of the very businesses that nature needs protecting from.

Defunding of NGOs and federal universities

The next Bolsonaran tactic actually brings us full circle in a way: the attempt to defund NGOs. On January 14, 2019 Bolsonaro's Minister of Environment Ricardo Salles shut down "all agreements and partnerships with non-governmental bodies (NGOs) which are recipients of funds managed by the MMA, IBAMA (the nation's environmental agency), ICMBio (its national park management agency), and JBRJ (the Rio de Janeiro Botanical Garden Research Institute)" (Gonzales 2019) until he could audit them all himself, another part of the 'firehouse effect.' But it turns out he couldn't legally do that with NGOs that receive international funding and after much public outcry, he walked it back to just those NGOs receiving federal funding and not those "agreements or partnerships that have been already in execution" (Gonzales 2019). Still,

10 The reason the attempt to move the demarcation of lands failed is actually because of a recent Supreme Court case that set a precedent for presidential decrees. Presidential decrees have an expiration date, where they must be reviewed and approved by the legislative branch within 120 days. What this Supreme Court case did was establish that, if a decree expires before it can be approved, then it cannot be reintroduced in the same year. And this is also where the opposition's strength lies. Not only is the legal system strong, with sympathetic judges in the Supreme Court, but most of congress members are experienced, whereas many of the rural caucus members are new and inexperienced. For presidential decrees in particular, this works strongly in the opposition's favor. One of the biggest strategies to prevent a decree from passing before its expiration date is to talk as much as you can to kill time. Unfortunately for the newbies, they saw this as an opportunity to be seen and heard. So both sides of congress are talking hundreds of presidential decrees into expiration (Acebes, Wilkinson and Téllez-Chávez 2019).
he has made attempts at limiting and/or diverting international funding, such as the Amazon Fund. The Amazon Fund, set up in 2008, is an international partnership with developed nations, particularly Norway and Germany, to provide roughly $US87 million annually "to prevent, monitor and combat deforestation, as well as to promote the preservation and sustainable use in the Brazilian Amazon" (Amazon Fund no date).

In addition to attempting to limit funding sources to NGOs, the Bolsonaro administration also took aim at funding for federal universities in late April 2019. First announcing plans to cut funding to sociology and philosophy departments, this morphed into a 30% funding cut to Brazil's three major universities, and then a 30% cut to all federal universities (Redden 2019). The funding cuts were especially meant to target non-utilitarian disciplines in order to "focus on areas that generate an immediate return to the taxpayer, such as: veterinary, engineering, and medicine" (Bolsonaro 2019). In addition to the budget cuts, the administration also froze funding for more than 3,000 postgraduate research scholarships (Escobar 2019b).

Weakening of protective measures

According to several ENGO employees, many of the ENGOs in Brazil have been able to maintain their international funds, since such funds are not (yet) subject to government oversight. According to one interviewee in the ENGO sector, some of the ENGOs that lost funding have shifted their funding sources to Brazilian states. However, the actions of the Bolsonaro administration to dramatically redefine the rules of the Amazon Fund, particularly to restrict the use of funds by NGOs to combat deforestation and to compensate property owners for land confiscated in protected areas, has led to Norway and Germany freezing their funds (Observatório do Clima 2020). As a result, those NGOs that received funding from the Amazon Fund have had to suspend projects and reduce their staff, according to several employees of these NGOs. This inevitably has implications for their ability to combat deforestation in the Amazon.

By limiting funding to non-utilitarian disciplines in academia, the Bolsonaro administration silences the critical voices of intellectuals and by freezing funds for postgraduate research, they reduce a key source of information that drives environmental policy. Thus, defunding of federal universities serves to degrade the foundation on which protective environmental measures are built.

Anti-environmentalist enmity

When the Amazon fires raged in August 2019, increasing by 84% over the previous year according to INPE (BBC News 2019b; Taylor 2019), the fires were widely regarded by conservationists as being attributable to the rise in deforestation to clear land for agricultural development (BBC News 2019b; Spring and Eisenhammer 2019). Bolsonaro, whose policies and rhetoric likely enabled this deforestation (Escobar 2020; Londoño and Casado 2019), indicated that environmental NGOs had intentionally set the fires to garner support and bolster funding (BBC News 2019b; Observatório do Clima 2020). When these claims were found to be unsubstantiated, he doubled down, indicating that Leonardo DiCaprio played a role in inciting the fires (Observatório do Clima 2020). While Bolsonaro's claims of the involvement of NGOs and DiCaprio in the fires was unsupported by evidence, a few cursory glances at the social media pages of environmental NGOs at the time suggests that efforts to de-legitimize them was in full swing.11

By defunding academic institutions and especially critical social science and research, the Bolsonaro administration ensures the isolation of critical social scientists and a lack of science to support their claims. This, combined with Bolsonaro's attacks on social scientists as "cultural Marxists", who are supposedly aligned with oligarchs to undermine traditional values (Redden 2019), then serves to exacerbate the animosity towards critical social scientists and environmentalists. Our group of researchers experienced this first-hand. While eating at a restaurant in Atibaia, we were approached by the owner, who had clearly had quite a few drinks. Emboldened by his intoxication, he asked what we were doing in Brazil. We explained that we were there for research, but avoided the topic we were there to study (environment and conservation). He increasingly became more aggressive, asking us what we thought of Bolsonaro. We did our best to politely avoid the questions and state that we were simply there to enjoy a pleasant meal. Eventually he very oddly set a glass bottle down on

11 At the time of writing, it appears that the negative and threatening comments on social media have been brought under control.
Deutsch

Bolsonaro's anti-environment agenda

our table and let it roll off the table to smash while maintaining eye contact with us. The two men who were
accompanying him urged him to step outside and get some air and, luckily for us, he did. But the whole episode
served to bring the anti-intellectual and anti-environmentalist enmity into full focus. It was clear that we, and
any intellectual environmentalists, were meant to feel intimidated and unwelcome.

Cooptation of exceptional environmental measures in times of crisis

In *States of Exception*, Agamben (2005) shows how governments use exceptional historical moments to
increase their power by using crises to justify the suspension of constitutional rights and laws and the extension
of military power. Similarly, Naomi Klein (2007) argues that capitalists also use large-scale disasters, in what
she calls disaster capitalism, to extend their power by creating opportunities for new forms of capital
accumulation in such a way that capitalism not only profits from the disaster itself, but from the distraction
created by the disaster. In Brazil, Bolsonaro appears to be using crises of extreme forest loss to create
opportunities to both extend military powers and to secure opportunities for capital accumulation.

Thus, a sixth strategy that emerged during the COVID-19 pandemic, one that was also visible during the
Amazon fires in the summer of 2019, is the use of the precedence of exceptional protective measures to guard
against deforestation as justification for increased military presence in sensitive forested areas. The
militarization of the Brazilian Amazon is not new and dates back over a century, with various Brazilian
governments setting up military forces in the biome to prevent enemy infiltration of the sparsely populated
areas, as well as to open opportunities for new extractive practices (de Castro, Van Dijck and Hogenboom 2014;
López 2009). However, what is new is the use of forest protection in times of crisis as an excuse to increase
military presence in the Amazon. Although Luiz Inácio Lula da Silva (aka Lula) used the military to battle
deforestation during his presidency, he did so as part of a robust environmental strategy (Brands 2011). In
contrast, the need to protect the forest under Bolsonaro is a direct result of the lack of enforcement of
environmental regulations under his administration (BBC News 2019b; Spring and Eisenhammer 2019).

When news of the raging Amazon fires generated global concern in 2019, Bolsonaro sent the army to
combat the fires and they remained there until late October (Garcia 2019). Then when Bolsonaro created a new
Amazon Council in January 2020, he simultaneously created a new Environmental Police force composed of
state military police to support the new Council, also headed by a retired military general, Hamilton Mourão,
who openly supports mining development in the Amazon (Rocha 2020). As deforestation increased under the
cover of the COVID-19 pandemic with the fire season approaching, Bolsonaro deployed the military to the
Amazon in May 2020 by Decree 10.341/2020, three months earlier than in 2019. Importantly, the Decree also
put environmental protection of the Amazon under the control of the army. And in October 2020, the newly
formed Amazon Council announced that the military would remain in the Amazon until April 2021 (Carvalho
2020). I argue that, although the use of the military to protect the Amazon from foreign infiltration and to
expand extractive opportunities has a long history, what is new is that it is being done under a democracy where
there should (presumably) be consent. Under military rule, there was no such presumption.

(Not) Weakening protective measures

In this case, rather than weakening of protective measures, this strategy takes advantage of such measures
to secure opportunities for extraction. While the decrees to deploy the military to the Amazon stated, in part,
the intent to help combat fires, others believed this to be a smokescreen to further militarize the Amazon as part
of a plan to expedite the opening of the biome for extractive industry (Dias 2019). Known as the Barao do Rio
Branco Plan, a project proposed by Bolsonaro shortly after taking office would introduce a new hydro-electric
dam, bridge, and highway extensions to allow for easier access to areas of the Amazon. The proposed project
has drawn wide criticism from socio-environmentalists due to its lack of acknowledgment and/or assessment
of potential effects on important biodiversity preserves, indigenous reserves and quilombo communities (D.
Phillips 2019a; Rocha 2019) and there has been some indication that the increased militarization of the Amazon
is associated with this project (Dias 2019).

Journal of Political Ecology

Vol. 28, 2021

836
Anti-environmentalist enmity

As stated elsewhere, IBAMA is the Brazilian agency normally charged with monitoring and enforcement of environmental regulations. However, Bolsonaro’s 2020 budget included a 25% cut to IBAMA’s forest monitoring programs (Rocha 2020). Additionally, the creation of the Amazon Council and an Environmental Police force staffed by military personnel, as well as Decree 10.341/2020 – which among other things put environmental protection of the Amazon under the control of the army – superseded IBAMA’s oversight of deforestation in the Amazon (Bonduki 2020; Soares 2020). By displacing the non-military government officials of IBAMA and defunding its forest monitoring programs, the Bolsonaro administration is simultaneously making a statement that IBAMA is not capable of performing its duties, while also ensuring that they are unable to do so.

5. Conclusion

Fisher (2019, p. 384) writes, "(E)nvironmental law engages all the institutional and legal resources of a constitutional democracy to operate—public discourse, expertise, public administration, legislation, accountability, dispute resolution, multi-level governance and much else besides." Bolsonaro is actively removing each of these resources at the national level. Meanwhile, as Brazil's forests continue to suffer from unsustainable levels of deforestation (Silva Junior et al. 2021) and record numbers of fires (Muniz, Fonseca and Ribiero 2020; Watanabe 2020), scientists are predicting that 40% of the Amazon rainforest could become savannah in the near future unless more is done to combat deforestation and climate change (Staal et al. 2020). It is thus more critical than ever to understand why and how Bolsonaro is accomplishing the dismantling of federal environmental safeguards and institutions. Moreover, while such processes are understood to occur in shifts from "progressive" to authoritarian neoliberalism, there is still a broad gap in analyses on how this shift occurs. This article attempted to narrow this gap by conceptualizing Bolsonaro's anti-environment antics within the broader context of the contemporary authoritarian neoliberal turn.

Following Poulantzas' (1978) analysis of 'authoritarian statism', Bruff (2014, p. 125) describes the 'authoritarian fix' as a restructuring of state institutions to remove barriers to capitalist accumulation. As such, I approach the analysis of Bolsonaro's strategies with the assumption that they aim to remove barriers to capital accumulation. I show how each strategy accomplishes this goal by either weakening environmental measures that place limits on capitalist extraction, or by strengthening measures that can be used to extend military power and expand control over resources for extraction. But Bolsonaro must simultaneously remove the guardians of the protective environmental measures to prevent their return, and I suggest that he accomplishes this by engaging anti-environmentalist enmity to de-legitimize the supporters of environmental regulation.12

On a final note, while this article focused on Bolsonaro's far right government, caution is warranted in assigning authoritarianism as it relates to environmental governance as a (strictly) far right phenomenon. Recent explorations of post-political trends indicate that the far right are not alone in removing dissent in favor of unrestrained capitalism. Post-politics, or the yielding of power based on global ideological visions of the world to technocratic expertise (Žižek 1999), is increasingly rearing its head in environmental politics. Fletcher (2014) describes the "orchestrating of consent" to neoliberal agendas in the 2012 International Conservation Congress, where dissent is dispensed with through multiple strategies geared toward creating the illusion of consent to the neoliberal hegemonization of international conservation. With its focus on faith in 'objective' technocratic knowledge as authority, the post-politicization of environmental governance stands in stark contrast to methods of removal of consent by authoritarian neoliberals, which often include post-truth political gaslighting to

12 A theme that runs through many of the articles in this special issue is Foucault's conceptualization of 'biopower' and the tension between life and death. In connection with this theme, the exceptional measures that are being removed in Brazil were arguably put in place to 'make live' certain forms of life that enhance biodiversity and climate stability. By removing such measures and preventing their return via enmity, these lifeforms are essentially being made to 'let die', even to the point of extinction. More than that, it could be argued that these lifeforms will be 'made to die' to make way for other lifeforms to be 'made to live' that support capitalist extraction (e.g. corn, soy, cattle). In this sense, anti-environmentalist enmity is more than just an objective of authoritarian neoliberals such as Bolsonaro. It is also emblematic of the broader enmity of life and death struggles inherent in the struggle for 'biopower.'
systematically extinguish public faith in any 'objective' truth (Neimark et al. 2019). Yet the two accomplish the same foreclosure on any paths forward that do not center on capitalism. Thus, an interesting and important area for future research could include an examination of the confluences and divergences of the two methods with respect to environmental governance.

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