



## Reformulating Emancipation in the Anthropocene: From Didactic Apocalypse to Planetary Subjectivities

Journal:	<i>European Journal of Social Theory</i>
Manuscript ID	Draft
Manuscript Type:	Original Manuscript
Keywords:	Emancipation, Autonomy, Anthropocene, Sustainability, Degrowth
Abstract:	<p>The ideal of emancipation has been traditionally grounded on the premise that human activity is not restrained by external boundaries. Thus the realisation of values such as autonomy or recognition has been facilitated by economic growth and material expansion. Yet there is mounting evidence that the human impact on natural systems at the planetary level, a novelty captured by the concept of the Anthropocene, endangers the Earth's habitability. If human development is to be limited for the sake of global sustainability, can emancipation be kept as a mobilising ideal? As opposed to alternative views such as that of degrowth, this article argues that it can. The key lies in the ability of the Anthropocene to produce planetary subjectivities. By recognising the bounded quality of human embeddedness, the possibility of a different emancipation is opened up. The latter does not give up material well-being, yet it makes sure that the latter does not endanger planetary habitability.</p>

SCHOLARONE™  
Manuscripts

# Reformulating Emancipation in the Anthropocene: From Didactic Apocalypse to Planetary Subjectivities

## Abstract

The ideal of emancipation has been traditionally grounded on the premise that human activity is not restrained by external boundaries. Thus the realisation of values such as autonomy or recognition has been facilitated by economic growth and material expansion. Yet there is mounting evidence that the human impact on natural systems at the planetary level, a novelty captured by the concept of the Anthropocene, endangers the Earth's habitability. If human development is to be limited for the sake of global sustainability, can emancipation be kept as a mobilising ideal? As opposed to alternative views such as that of degrowth, this article argues that it can. The key lies in the ability of the Anthropocene to produce planetary subjectivities. By recognising the bounded quality of human embeddedness, the possibility of a different emancipation is opened up. The latter does not give up material well-being, yet it makes sure that the latter does not endanger planetary habitability.

## Keywords

Emancipation, autonomy, Anthropocene, sustainability, degrowth.

---

What happens to emancipation once the material conditions that accompanied its unfolding in the past are changed in a way that severely limits the scope for human transformative action? Such is the question that this paper deals with. It departs from the assumption that modern emancipation, theoretically outlined and historically realised along the modern period, implicitly depended upon a range of material conditions ultimately provided by the human colonisation of the natural world. The latter sustained a strong economic growth that made possible both an increase in the material well-being of previously excluded social groups and a larger provision of public goods and services. Modernity thus forges a link between the human dominion of nature, indefinite economic growth, and the socio-political emancipation of groups and individuals. This conceptual and historical association must be taken into account

1  
2  
3 if the dialectic of emancipation — i.e. the dynamic relation between the ideal of emancipation  
4 and the conditions that either facilitate, hinder or prevent its realisation — are to be understood.  
5  
6  
7

8 This rationale was first put into question by the fiscal crisis of the welfare state back in the  
9 early seventies, which posed the question of how to sustain a growing social spending in the  
10 long run — a question that remains to be answered. As the COVID-19 pandemic has  
11 dramatically shown, however, there is yet another story to be told. It concerns the relation  
12 between human emancipation and socionatural relations, i.e. the material and ecological  
13 foundations of human societies. Viruses are, of course, a reminder of human vulnerability in  
14 the face of biological threats — yet they are hardly a novelty. The dangers of the Anthropocene,  
15 from climate change to biodiversity loss, are a better representation of the structural constraint  
16 that humans are bound to suffer for the time being. Insofar as they compel existing societies to  
17 radically change themselves lest the planet becomes inhospitable, both the practical feasibility  
18 and normative usefulness of emancipation comes into question.  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

29 Nevertheless, the category of emancipation remains useful as a driver of social change *despite*  
30 the limitations that the Anthropocene poses for human action. In fact, the Anthropocene opens  
31 up the possibility of developing a new understanding of emancipation. In this paper, the  
32 emergence of planetary subjectivities in the Anthropocene will be presented as the way to go  
33 as far as rethinking emancipation in a warming planet is concerned. The argument is presented  
34 as follows. In section 1, I reflect upon the meanings of emancipation and present my view of  
35 the latter. Section 2 outlines the troubled relation between emancipation and the Anthropocene,  
36 while section 3 describes the alternative to modern emancipation that is defended by degrowth  
37 theorists. Section 4 offers a criticism of degrowth and suggests that ecomodernism and the ideal  
38 of the «good Anthropocene» open up the possibility of pursuing emancipation in the modern  
39 sense of the concept while securing the planet's habitability. Finally, section 5 introduces the  
40 notion of planetary subjectivity as the means through which emancipation can be refined, both  
41 theoretically and practically, in the Anthropocene.  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52

### 53 **The meanings of emancipation**

54 Emancipation is commonly described as the transition from heteronomy to autonomy, from  
55 dependence to freedom, from alienation to self-realisation (Susen, 2014: 1025). All forms of  
56 emancipation thus involve an individual or collective assertion of sovereignty, so that existing  
57 barriers to human development are theoretically critiqued and practically rejected in the typical  
58  
59  
60

1  
2  
3 process of emancipation, as they obstruct the unfolding of human self-powering potential.  
4 Some nuances are in order: emancipation has not just meant the transgression of boundaries,  
5 as in revolutionary outbreaks, but also their redrawing or reconfiguration. Let us think of the  
6 granting of voting rights to women but not to ethnic minorities, or consider the way in which  
7 the collapse of the feudal system did not bring total liberation but the sedimentation of new  
8 boundaries and constraints that came along with industrialisation. Total liberation, on the other  
9 hand, is a chimera — as long as human beings live in complex social systems and are embedded  
10 into thick layers of social relationships, they cannot govern themselves in absolute freedom.  
11 The outcome of emancipatory processes must thus be appraised in relative, not absolute, terms  
12 (see Haderer, in this Special Issue).  
13  
14  
15  
16  
17  
18  
19  
20  
21

22 Needless to say, the concept of emancipation is interpreted differently by different traditions  
23 of thought. In this respect, the modern era features a gradual shift from the granting of personal  
24 rights to the liberation from subtle forms of control — legal and material constraints thus give  
25 way to an emphasis on alienation and the search for authentic forms of life (see Adorno and  
26 Horkheimer, 1997; Foucault, 1986). Yet the different dimensions of emancipation were all  
27 outlined from the start: Rousseau (1984) argued that human beings have gradually alienated  
28 themselves from the natural roots of their existence, thus anticipating the emphasis that Critical  
29 Theory placed on individual alienation in the mass society (see Brunkhorst, 2004), while Marx  
30 (2000a, 2000b) underlined the practical challenge of achieving emancipation. A different  
31 current of thought focused on the use of reason as the path to individual and collective self-  
32 liberation: while Kant (2009) does not discuss emancipation explicitly, in his thought the latter  
33 is tantamount to an autonomous use of reason. Habermas (1987) anchored emancipation in  
34 rational self-determination too, if only to stress the importance of communicative reason as a  
35 tool against the disempowering effects of the social system.  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47

48 Habermas was not alone in signalling the key role that new social movements had to play in  
49 fostering emancipatory practices and imaginaries, yet Marcuse (2002) introduced a crucial idea  
50 when he suggested that individuals *enjoy* the false needs created by the capitalistic consumer  
51 society — the latter celebrates individual liberty in a restricted manner, a condition that the  
52 notion of «enforced toleration» tries to capture. Moreover, individual emancipation can only  
53 take place when society as a whole liberates itself, which in turn cannot happen without the  
54 overthrowing of current social structures (Adorno, 2004: 173; Horkheimer, 2013). In the steps  
55 of this tradition, however, Blühdorn (2019; see also his contribution in this Special Issue) has  
56  
57  
58  
59  
60

1  
2  
3 warned lately that the very impulse behind «first-order emancipation» threatens to undermine  
4 liberal democracies, as a «second-order» emancipation takes shape in which the acceptance of  
5 the limits to self-liberation gives way to their rejection — as if Marcuse's enforced toleration  
6 could no longer perform its structural function.  
7  
8  
9

10  
11 My own take on emancipation departs from the assumption that liberal-democratic societies  
12 offer the necessary conditions for self-liberation, i.e. for conquering personal autonomy. The  
13 focus on alienation is thus unwarranted and ultimately sterile: who is to say what an *authentic*  
14 way of life is? In a pluralistic society in which different forms of life and conceptions of the  
15 good are embraced, the individual must be able to decide by itself — provided that economic  
16 inequalities are addressed, so that the lack of material well-being or opportunities does not  
17 hinder the pursuit of autonomy. Material and legal obstacles to emancipation, measured by a  
18 liberal-welfarist yardstick, are easier to adjudicate than feelings of alienation or the  
19 philosopher's claim about the alienation of others. In turn, forms of life are subject to moral or  
20 political criticism (Jaeggi, 2014).  
21  
22  
23  
24  
25  
26  
27  
28  
29

30  
31 The notion of emancipation should thus be detached from notions of alienation. There is no  
32 higher moral ground for deciding who is alienated in a pluralistic liberal society. This should  
33 be rightly understood: the claim that someone *is* alienated may be presented in the public  
34 debate, but there is no way to adjudicate it. For that reason, emancipation should be conceived  
35 as the move from heteronomy to autonomy in the Millian sense — personal rather than moral,  
36 yet not deprived of moral value as autonomy opens up the opportunity to lead an examined life.  
37 Mill (2015) saw autonomy less as a source of ethics (as Kant did) than as the capacity of the  
38 individual to reflect on its own values, choices and commitments. Gerald Dworkin offers a  
39 definition along these lines, according to which autonomy is  
40  
41  
42  
43  
44  
45  
46  
47

48 «a second-order capacity of persons to reflect critically upon their first-order preferences,  
49 desires, wishes and so forth, and the capacity to accept or attempt to change these in light of  
50 higher-order preferences» (Dworkin, 1988: 20).  
51  
52  
53

54 Those who believe that self-liberation is unfeasible under the conditions of late capitalism will  
55 reject this view of emancipation. Yet if self-liberation is impossible, how can social movements  
56 appear under those very conditions? And what about the empirically verifiable existence of  
57 different forms of life? An emancipated subject is not liberated from *all* constrains, but has  
58  
59  
60

1  
2  
3 gained the capacity to reflect upon his or her own preferences. A good society is that in which  
4 the opportunity to acquire such capacity, and to act upon it, is potentially open to all. This  
5 openness can result in the rise of exclusionary movements which can ironically hold the  
6 promise of self-liberation for their members.  
7  
8  
9

10  
11 That autonomy is not achieved easily does not necessarily suggest that, *pace* Horkheimer, self-  
12 liberation is only feasible once the current social system has been overthrown. Social  
13 psychology and affect theory have pointed out the shortcomings of human rationality,  
14 highlighting the subject's tendency to make quick and biased decisions that favour members of  
15 our in-group rather than deliberate, self-aware ones (see Greene, 2014; Kahneman, 2011). This  
16 may help to explain why the autonomous subject has remained as the normative core of modern  
17 democracy despite the fact that it has always been a promise rather than an accomplished reality  
18 (Blühdorn, 2019: 4). Yet this does not mean that the autonomous subject is a *fiction* — it should  
19 rather be described as an *ideal* that requires a constant effort on the part of the individual.  
20  
21  
22  
23  
24  
25  
26  
27  
28

29 Thus I take the core of emancipation to be the conquest of personal autonomy, which includes  
30 the ability to develop one's own plan of life without unjust interference from others. Yet the  
31 move from heteronomy to autonomy demands that both legal discrimination and economic  
32 necessities are addressed. The autonomous subject is not just someone who reflects critically  
33 upon its own preferences, but also someone who has the opportunity to develop its own plan  
34 of life. This liberation from *necessity* cannot be achieved individually, as it requires social  
35 cooperation for creating material wealth and distributing it accordingly. This aspect of  
36 emancipation was not envisioned by Kant, but Mill assigned a role to the state as a provider of  
37 opportunities and even denounced the subjection of women (see Mill 2008, 2015). On his part,  
38 Locke (1988) was aware of the key role of materiality and thereby placed property rights at the  
39 centre of his political theory, suggesting that it is physical human labour that legitimises  
40 acquisition. The practical aspect of emancipation was, of course, at the centre of Marx's  
41 thinking. It is thus unsurprising that the conquest of nature was conceived by most modern  
42 thinkers as a means to the end of emancipation: only by taming the forces of external nature  
43 could mankind secure material progress (see Vetlesen, 2015). Both the liberal and the socialist  
44 tradition endorsed a Promethean view of the human species in which the realm of heteronomy  
45 was identified with nature in an encompassing sense, including women. More than two  
46 centuries after the beginning of the industrial age, though, the side-effects of material progress  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 are in plain view: the anthropogenic disruption of natural systems threaten to block the pursuit  
4 of emancipation by depriving the latter of its material conditions.  
5  
6  
7

### 8 **Emancipation in the Anthropocene**

9  
10 There are two mutually dependent aspects to the materiality of emancipation: the need to secure  
11 material conditions that liberate human beings from necessity and the ecological limits of the  
12 human appropriation of nature. The former was taken into consideration by a number of  
13 modern thinkers, whereas the latter has only later become a pressing concern. To put it  
14 differently, the Enlightenment view of emancipation overlooked the material conditions  
15 required by its fulfilment — or either the ecological context in which it had to be fulfilled. As  
16 a result, there is a stark contrast between conceiving oneself as potentially independent from  
17 nature (modernity) and finding oneself within a constellation that problematises the modern  
18 take on emancipation (late modernity). I will explore this tension by resorting to the notion of  
19 the Anthropocene.  
20  
21  
22  
23  
24  
25  
26  
27  
28

29 It does not seem necessary to explain in full detail what the term «Anthropocene» stands for  
30 — the concept has become widespread in the social sciences and the humanities after being  
31 launched by the natural sciences in the early twenty-first century. Both geologists who support  
32 the recognition of a new geological epoch and Earth System scientists who focus on the  
33 disruption of the planetary system point to the same phenomenon: the unprecedented ability of  
34 the human species to change how the Earth operates (see Ellis, 2018; Zalasiewicz et al., 2019).  
35 Admittedly, human beings have been transforming their environments for a very long time.  
36 Yet the Anthropocene signals a *rupture* in socio-natural history insofar as our species has  
37 disrupted the functioning of natural systems at a planetary level (see Hamilton, 2016). This is  
38 not to say that the Anthropocene has an existence that is independent from its human  
39 conceptualisation. However, the material reality that it tries to capture *is* independent from any  
40 conceptualisation.  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50

51 The Anthropocene seems to validate Ulrich Beck's theory of the *risk society*: climate change  
52 and other planetary disturbances are the most recent threat produced by the unfolding of  
53 modernity (Beck, 1986). This is why late modern societies can be said to be *reflexive* — they  
54 are confronted with the unintended consequences of their development (see Beck, Giddens and  
55 Lash, 1994). Risk society is global, because modern threats endanger the life and livelihoods  
56 of people across the planet: nuclear power, terrorism, financial crisis. Beck's theory focuses on  
57  
58  
59  
60

1  
2  
3 socially manufactured risks, describing a society that mobilises itself when confronted with a  
4 future that is not defined any longer by religion, tradition, or the superior power of nature  
5 (Beck, 2009: 4). In other words, he draws a line that separates premodern *natural* risks from  
6 modern *manufactured* risks — much as Paul Virilio (2006) speaks of natural and artificial  
7 accidents. For that reason, Beck does not ever include pandemics among his risks. Yet there  
8 are as many modern threats that present natural elements as there were premodern ones that  
9 exhibited social features (Mythen, 2004: 40). This shows that Beck's model does not fully  
10 capture the condition of the Anthropocene. In fact, planetary disruptions in the Anthropocene  
11 are better described as *socio-natural* threats, insofar as they result from a combination of human  
12 agency and natural processes that remain beyond human control (see Dobson, in this Special  
13 Issue).

14  
15 Nevertheless, the interesting discussion to be had is not about whether there is such a thing as  
16 the Anthropocene or whether it fits into pre-existing categories of social theory, but rather about  
17 the normative implications of an anthropogenically disrupted Earth. That is also Chakrabarty's  
18 conclusion as elaborated by Meyer (2016: 48): rather than seeking to clarify whether the  
19 Anthropocene is new, we should ask ourselves whether it is *fresh*. Does it do useful work, does  
20 it energise our thinking? Both Chakrabarty and Meyer believe it does — and so do I. Yet my  
21 aim in this paper is not to deal with the Anthropocene as such, but rather to address  
22 emancipation. It is through the lens of the Anthropocene that I intend to do so.

23  
24 The complication is apparent: if emancipation means the removal or redrawing of barriers that  
25 stand in the way of personal or social development, the Anthropocene creates a particular  
26 problem by confronting human societies with a major obstacle that they themselves have  
27 created. As much as feelings of empowerment were seemingly justified in view of the sustained  
28 accretion of material wealth and human population that took place during the modern epoch,  
29 that feeling is gradually being replaced in late modernity with one of powerlessness in view of  
30 the dangers posed by climate change, loss of biodiversity or ocean acidification. In sum, the  
31 Anthropocene seems bound to *hinder* emancipation by dramatically changing the material  
32 context in which it is pursued.

33  
34 This argument has been put forward by thinkers who warn of the seeming inability of modern  
35 democracy to guarantee the material conditions for its own development — be them the  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 conditions for a fair redistribution of wealth or the ecological prerequisites for social  
4 reproduction (see Hausknost, 2019; Pichler et al., 2020). More explicitly, Isabelle Stengers  
5 (2015: 58) has argued that emancipation must be disentangled from a traditional view of  
6 progress that wrongly aspired to free humans from natural constraints. Danowski and Viveiros  
7 de Castro sum up this argument:  
8  
9  
10  
11

12  
13 «The ever legitimate (how could it not be?) desideratum of ‘emancipation’ must therefore be  
14 radically decoupled from the anthropological machismo implied in the idea of an epic conquest  
15 of nature and the meanings that the nineteenth century ascribed to the notion of ‘progress’»  
16 (Danowski and Viveiros de Castro, 2017: 117).  
17  
18  
19  
20

21 In a word, both emancipation and the material progress upon which it has depended throughout  
22 modernity meet the ecological limits to growth about which environmentalism has been  
23 warning for the last fifty years (see Meadows et al., 1972). In the face of the planetary  
24 challenges featured by the Anthropocene, then, it seems that the expansionary ideologies that  
25 are typical of modernity should be replaced by social imaginaries that foster material restraint.  
26 If emancipation is to be an encompassing ideal, it cannot remain tied to the conquest of nature  
27 and the related view of progress. Otherwise, there is the danger that global unsustainability  
28 ends up *preventing* the emancipation.  
29  
30  
31  
32  
33  
34  
35  
36

37 Yet both emancipation and the Anthropocene are problematic in that they are often described  
38 as pertaining to *humanity* as a whole, thus generating a species-talk that obscures differences  
39 between social groups. While emancipation is supposedly a universal goal, there are great  
40 disparities among people as far as the liberation from economic necessity or the conquest of  
41 personal autonomy is concerned. On its part, the Anthropocene should not be seen as a  
42 «human» affair since it does not affect us all equally and it is not the species that has brought  
43 it about — certain members of the species have (Chakrabarty, 2008). The so-called «species-  
44 talk» should thus be avoided (see Lepori, 2015). From this standpoint, emancipation cannot be  
45 presented as a universal goal and neither can the Anthropocene be conceptualised as a human  
46 predicament. Intra-societal differences suggest that humanity is not the subject of neither  
47 emancipation nor the Anthropocene.  
48  
49  
50  
51  
52  
53  
54  
55  
56

57 Both Kant and Marx, however, saw autonomy and emancipation as *universal* goals. Whereas  
58 Kant (2009) derived the possibility of autonomy from the *human* capacity to exert reason, Marx  
59  
60

1  
2  
3 (2000b) distinguished between *political* and *human* emancipation — whereas the former was  
4 limited to partial civilisational achievements, the latter transcended the particular interests of  
5 social groups or individuals. Emancipation *can* thus be formulated as a universal ideal and this  
6 is not contradicted by the fact that social or political movements may seek the emancipation of  
7 particular social groups. The human subject is thus the typical carrier of emancipation  
8 regardless of how the subject in itself is conceptualized. The distance between a normative  
9 ideal and its empirical reality, however essential it may be for social scientists, should not  
10 prevent the formulation of encompassing normative principles.  
11  
12  
13  
14  
15  
16  
17  
18

19 A similar point can be made about the Anthropocene. Of course, some social groups bear more  
20 responsibility than others for bringing about climate change and other planetary disruptions.  
21 Yet the planet does not care much about *who* exactly did *what* — it registers the impact of our  
22 species as a whole and changes accordingly. Likewise, it is indisputable that the Anthropocene  
23 does not affect all people equally — there are differences between countries and within  
24 countries, all of which are most likely to exacerbate as ecological problems mount in the  
25 coming decades. At the same time, though, a planetary disruption has the potential to affect all  
26 people. In the long run, global warming may threaten the habitability of some of the world's  
27 regions, thus exacerbating social and geopolitical conflicts while deteriorating national  
28 economies and decreasing everyone's well-being. Beck (1986: 48) famously claimed that  
29 «poverty is hierarchical, smog is democratic» and, for all the criticism that this statement has  
30 attracted (see Barnes, 2016), he was partly right: some risks may inflict harm to *all* even though  
31 *some* will suffer more harm than others. In sum, it should be possible to talk of the human  
32 species while at the same time different agencies and responsibilities are recognised. Humanity  
33 is a biological species *and* a differentiated social body — it can be simultaneously  
34 contemplated as such.  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47

### 48 **An alternative path to emancipation**

49 One of the most robust expressions of the argument that the modern conception of  
50 emancipation cannot be realised in the Anthropocene is to be found in the literature on  
51 *degrowth*, which offers a way out from the current multi-dimensional sustainability crisis  
52 facing contemporary consumer societies. Specifically, degrowth is a normative and empirical  
53 critique of economic growth; a blueprint for a society that significantly departs from established  
54 arrangements; and a new cultural mindset. A brief account of these elements will be enough  
55 for the emancipation-related purposes of this paper (see also Pellizzoni, in this Special Issue).  
56  
57  
58  
59  
60

1  
2  
3  
4  
5 Drawing on the French cultural critique of the growth imaginary (see Latouche, 2010) as much  
6 as on environmental and social activism (see Demaria et al., 2013), degrowth aims for a  
7 sustainable and equitable reduction of society's throughput — namely the materials and energy  
8 extracted, processed, transported, distributed, consumed and finally turned into waste by a  
9 society (Kallis, 2011: 874). To that end, not just the economy but societies as a whole are to be  
10 downsized by reducing production, trade, travelling, and consumption. Life is to become more  
11 local and less mobile, as well as more equitable and ecologically benign, while remaining  
12 democratic (see Jackson, 2009). The world of degrowth recalls the blueprints for sustainability  
13 advocated by radical environmentalism during the 70s and 80s (see De Geus, 1999).  
14  
15  
16  
17  
18  
19  
20  
21

22 The critique of growth can take two forms: either growth is regarded as *untenable* in the long  
23 run or it is portrayed as being *undesirable* in any case (see Paulson et al., 2020). Growth's  
24 unsustainability of growth is commonly explained as a function of its dependence on finite  
25 natural resources — at some point, natural systems will not be able to feed the growth machine.  
26 This argument was first put forward by the limits to growth perspective in the 1970s (Meadows  
27 et al., 1972). Global warming has reinforced this view, as some planned degrowth is presented  
28 as necessary if climate change is to be effectively mitigated (Alexander, 2013). On the other  
29 hand, it is argued that economic growth is not the panacea for which it commonly passes, as it  
30 would have not made individuals happier nor communities stronger — it is an illusion, the false  
31 «truth» to which contemporary societies cling (Douthwaite, 1993). The ideology of growth  
32 hides the reality of an unfulfilling way of life that also happens to be environmentally  
33 unsustainable: more authentic *and* sustainable forms of emancipation are to be found in a  
34 degrowth society.  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45

46 A new cultural mindset is thus meant to reformulate individual understandings of self-  
47 determination, so that more simple ways of living become attractive without being perceived  
48 as constraining. Actually, degrowth can hardly ever take place without this cultural shift —  
49 unless it is imposed by authoritarian governments in the context of a global emergency. The  
50 goal is to make people embrace a «voluntary simplicity» (Alexander, 2013) leading eventually  
51 to a more satisfying lifestyle (Jackson, 2009: 148). Key concepts that belong to the vocabulary  
52 of modern emancipation, such as prosperity or abundance, are reformulated. New forms of  
53 wealth are to be generated: more spare time, a renewed role for individual creativity, fulfilling  
54 conceptions of work (Princen, 2005). Degrowth thinkers claim that in the society that they  
55  
56  
57  
58  
59  
60

1  
2  
3 envision people do not have *more* but *better* (Heinberg, 2019). Hence Barry's formula: «low-  
4 carbon, high quality of life» (Barry, 2012: 11). The emphasis is placed on human flourishing.  
5  
6 As much as the latter is hindered by mass consumption and the modern way of life, the  
7  
8 argument goes, it would be facilitated by abandoning growth and embracing sufficiency.  
9

10  
11  
12 For these reasons, degrowth is often presented as a solution to the problems of the  
13 Anthropocene. How? As a radical re-imagination of what it means to live well within modern  
14 societies, degrowth can act as «a social imaginary guiding new political thinking for the  
15 Anthropocene» (Reichel and Perey, 2018: 246–247). Insofar as the Anthropocene has revealed  
16 the constitutive dependency of human life on natural systems, the response must be an  
17 ecologically sustainable degrowth economy that replaces capitalistic depredation (Fremaux,  
18 2019). The transition to renewable energies, a global redistribution scheme, the creation of  
19 economic value beyond the market — structural changes of this kind would be facilitated by  
20 degrowth's adoption as the normative foundation of modern societies. In the meantime,  
21 degrowing communities such as the Transition Towns in the UK are to play a crucial role by  
22 highlighting the kind of response that democratic societies should give to the conditions of the  
23 Anthropocene (Semal, 2015: 98).  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33

34 How well does emancipation fare in this theoretical framework? For most green theorists,  
35 human emancipation is not given up in a sustainable society as defined by a degrowth strategy  
36 — it is just reformulated in a manner that is more *realistic* and paired with the emancipation of  
37 nature. Emancipation in a degrowth society can be said to be more «realistic» on two counts.  
38 On the one hand, it is claimed that the «true» nature of human beings is to produce and consume  
39 just enough, a natural self-limitation that is distorted by consumer society (Princen, 2005: 140).  
40 A simpler life, one in which individuals are freed from artificial needs, would be more fulfilling  
41 (see Gambrel and Cafaro, 2010). On the other hand, green politics is said to adopt «an  
42 empirically informed view of the limits and challenges facing human societies and the  
43 possibilities for progressive social transformation» (Barry, 2012: 31). Hence degrowth is an  
44 answer to current socionatural conditions and the kind of emancipation that it promise is the  
45 one allowed by such conditions.  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55

56 Still, some scholars have explored an alternative foundation for degrowth that dispenses with  
57 the notions of scarcity and unsustainability. Given that measuring «natural» scarcity is not  
58 possible, it is argued, to speak of degrowth as *determined* by scarcity is to reproduce inversely  
59  
60

1  
2  
3 the logic of growth (Kallis, 2019; Romano, 2019). Hence degrowth and the kind of post-growth  
4 society that it is meant to bring about must be made desirable by themselves and not as the  
5 result of a consequentialist reckoning. One of the reasons why degrowth is desirable concerns  
6 emancipation: insofar as degrowth seeks to resume the modern agenda of political  
7 emancipation (see Deriu, 2012), a society that is arranged along the lines of this project can be  
8 expected to provide the context in which an *authentic* emancipation can be achieved.  
9 According to degrowth theorists, in fact, there is no alternative: emancipation can only take  
10 place in a sustainable society that has given up indefinite growth and mass consumption, thus  
11 eliminating the source of those «false needs» that create personal alienation and collective  
12 fragmentation.  
13  
14  
15  
16  
17  
18  
19  
20  
21

22 In sum, the question of whether the Anthropocene is compatible with the ideal and practice of  
23 emancipation, understood as the conquest of personal autonomy in a society in which material  
24 well-being increases steadily, seems to invite a negative answer. It is the material dimension  
25 of emancipation that comes into question in the Anthropocene: without the ability to pursue  
26 indefinite growth, individuals would see their chances for self-development dramatically  
27 reduced. In a disturbed planet, then, the project of universal self-liberation becomes  
28 problematic for ecological reasons. Admittedly, the emancipation of some might be based on  
29 the oppression of others — hardly a novelty from a historical perspective. Yet emancipation  
30 cannot be defended as a *feasible* universal ideal in an unsustainable context. Whereas emerging  
31 and poor countries should give up material expansion lest global sustainability becomes  
32 seriously compromised, whole segments of the Western middle class feel that their material  
33 aspirations have been frustrated (see Guilluy, 2019).  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44

45 For degrowth theorists, the answer lies in a different understanding of emancipation. From their  
46 perspective, the ecological limits to growth do not have to be detrimental to emancipation  
47 *insofar as this realisation is itself emancipatory* and thus can help to reformulate this modern  
48 ideal. The turn to degrowth entails an emphasis on human flourishing in local communities and  
49 a new sense of prosperity in which sufficiency replaces abundance. In this social setting, human  
50 beings would free themselves from imposed needs, acquiring the ability to realise authentic  
51 subjectivities. Admittedly, this is not a «bad» Anthropocene, but a positive vision for the future  
52 — a point that critics of degrowth do not always concede  
53  
54  
55  
56  
57  
58  
59  
60

### **Rethinking emancipation for a warming planet**

1  
2  
3 Degrowth is not without problems. The whole project resembles a leap into the void: the  
4 conditions that a post-growth world would encounter can be expected to be vastly different  
5 from those anticipated in the literature, including the fact that the scarcity produced by  
6 economic contraction may lead to more autocratic forms of governance (Crownshaw et al.,  
7 2018: 129). Regardless of the attraction that this utopian imaginary may possess for some  
8 theorists, it should be regarded as a set of normative claims (Weiss and Cattaneo, 2017) which  
9 are often made «in self-referential isolation» from the real world in which degrowth should  
10 take place (Beeson, 2019: 32). How is a public health system to be financed, to name just one  
11 essential public service that the inhabitants of a post-growth order will most probably demand?  
12 By putting the blame on capitalism as a source of oppression and injustice, much critical  
13 scholarship overlooks the fact that humans would probably have similar needs and wants under  
14 any other economic system (Karlsson, 2018: 78).

15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26 It remains unclear how a significant reduction of material living standards is to obtain  
27 democratic support. This is not a minor question, because there is a tension between degrowth  
28 and democracy — not unlike the one that has always existed between democracy and  
29 environmentalism. But degrowth poses some problems for pluralism as well. Despite the claim  
30 that there would be more variety of views of the good life in a post-growth social order (Barry,  
31 2012: 10), it is far from evident how this could be the case. Insofar as sufficiency is presented  
32 as increasing the quality of life of those who embrace it, it entails not so much a demand for  
33 justice as a perfectionist view of the good life (Kanschik, 2016). In any event, it falls to  
34 degrowth advocates to persuade others that theirs is a preferable way of life and a desirable  
35 form of social organisation. Of course, they may then fall back to a non-moral argument —  
36 namely that of survival. If degrowth were the only way to prevent ecological collapse,  
37 normative arguments would be rather unnecessary.

38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48 There is, however, another possibility: modern emancipation can be reformulated while  
49 accepting the implications of the Anthropocene. The key lies in the proposition that there is not  
50 just one way of achieving the necessary balance between human activity and planetary systems  
51 — this balance can be secured by ways other than degrowth. If this assumption is accepted,  
52 then the Anthropocene does not necessarily spell the end for emancipation as a universally  
53 feasible ideal. Awakening to humanity's destabilising power leads to the conclusion that a more  
54 reflective and sophisticated socionatural relation is to be maintained at a planetary level *without*  
55 predetermining the way in which this should be done and *without* necessarily endorsing

1  
2  
3 degrowth's normative foundations or practical aspirations. In the Anthropocene, emancipation  
4 might be harder to achieve than in the past — a more delicate balance between material  
5 production and ecological sustainability is certainly required. Yet it is my contention that  
6 emancipation is still materially feasible and normatively useful as a mobilising ideal that  
7 pervades social imaginaries. This argument is implicit in the notion of a «good Anthropocene»  
8 (see Revkin, 2014), as well as in the *ecomodernist* view associated to it (see Asafu-Adjaye et  
9 al., 2015).

10  
11  
12 Ecomodernism is the natural evolution of a heterodox strand of environmentalism — that  
13 which can be found in contributions from Lewis (1992), Ausubel (1996), Nordhaus and  
14 Shellenberg (2007) or Brand (2009). They all share a critical view of classical and radical  
15 environmentalism, as well as the belief that sustainability can and should be combined with  
16 political liberalism, technological innovation and economic growth. Admittedly, these are  
17 typical characteristics of the «ecological modernisation» theory and policies since the 1980s  
18 (see Mol et al., 2009). Yet ecomodernism goes further than ecological modernisation in that it  
19 incorporates a truly transformative approach that recognises the need to secure sustainability  
20 and to unhinge the logic of nature's instrumentalisation that ecological modernisation policies  
21 have proven unable to prevent. In short, ecomodernism presents a more explicit and ambitious  
22 answer to Anthropocene and climate change.

23  
24  
25 In particular, the «good Anthropocene» is that in which «humans use their growing social,  
26 economic, and technological powers to make life better for people, stabilize the climate, and  
27 protect the natural world» (see Asafu-Adjaye et al., 2015). This is a vision for sustainability in  
28 which the human impact on natural systems is dramatically reduced by ways other than  
29 degrowth. Those means are, essentially, the intensification of human activities in order to  
30 render them more efficient and hence less dependent on natural resources. The premise is that  
31 ecological goals can only be achieved once societies have reached a certain threshold in their  
32 development. While not ignorant of the dark side of modernity, ecomodernists believe that  
33 modernisation has benefited humanity even as it has damaged the natural world — that is why  
34 they imagine a future of global economic convergence in which people everywhere will be able  
35 to enjoy the fruits of modernity (Karlsson, 2018: 80). Ecomodernists do not share the view that  
36 modernisation is an alienating machine that *obstructs* human flourishing. On the contrary, it  
37 makes such flourishing possible by providing safe environments, rising living standards and  
38 personal liberties. What ecomodernists claim is that *all* human societies across the globe should  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 benefit from that kind of progress, while at the same time stressing the need to take care of the  
4 natural world in new ways.  
5  
6  
7

8 Ecomodernism is hardly recognisable in the caricature that is often made of it as a neoliberal  
9 project that is set on reproducing the megalomaniac ethos of modernity (see Fremaux, 2019).  
10 As Symons (2019: 59) has argued, this is a misreading: ecomodernism argues that the state  
11 should play an active economic role shaping the trajectory of technological and economic  
12 change. For some thinkers, ecomodernism points to some kind of *global social democracy*  
13 (Karlsson, 2018; Symons, 2019). Disputable as this view may be, the fact is that ecomodernism  
14 *advocates* greater global equality and the protection of the natural world for its own worth —  
15 it is an *eco* after all. Ecomodernism is not just the continuation of ecological modernisation by  
16 other means: it is far more transformative and it draws on the promise of modernism as an  
17 open-ended process oriented towards emancipation through the clever use of technology and  
18 public policy. The progressive use of technology brings ecomodernists close to *accelerationists*  
19 — as they reject the destruction of the material platform of neoliberalism and suggest instead  
20 that it needs to be repurposed towards common ends (Srnicek and Williams, 2017).  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31

32 What ecomodernism demonstrates is that there is not just one way to respond to the challenges  
33 of the Anthropocene — on the contrary, there are different views on how the planet's  
34 habitability is to be secured. This means making it safe so that a flourishing humanity can thrive  
35 on it without generating vast inequalities between societies and within them. In turn, this has  
36 implications for emancipation. Whereas a degrowth agenda is not compatible with the modern  
37 understanding of emancipation, an ecomodernist strategy can adopt an emancipatory language  
38 as it promises material well-being for all in a sustainable planet. Against the idea that the  
39 Anthropocene dramatically diminishes human possibilities, ecomodernism affirms that  
40 ecological limits can be navigated in imaginative ways. In the words of Bruno Latour, the  
41 dream of emancipation has not turned into a nightmare — it just was too limited as it excluded  
42 non-humans and did not care about the unexpected consequences of human expansion (Latour,  
43 2011: 23). To put it differently, it was a *careless* emancipation that stands in stark contrast to  
44 the kind of *careful* emancipation that the Anthropocene requires. As Vogel puts it, choices have  
45 not yet been made regarding the shape of socionatural relations «if choices are understood as  
46 the outcome of conscious social decision-making» (Vogel, 2016: 230).  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 In this sense, the Anthropocene can be said to be emancipatory insofar as it puts an end to the  
4 delusion of an unbounded human power, but also because it opens up the possibility of pursuing  
5 emancipation in a manner that is both empowering and sustainable. A similar claim has been  
6 criticised in the past and that is why the idea of limits has been central to environmentalism  
7 from its inception (see Dobson, 2016). Yet the Anthropocene represents a substantial novelty  
8 that harbours the potential for redefining how socio-natural relations are socially perceived,  
9 conceptually represented, and acted upon.

### 17 **From Didactic Apocalypse to Planetary Subjectivities**

18 For emancipation to adopt a reflective shape in the Anthropocene, new planetary subjectivities  
19 must emerge. It should be noted that I am not referring to *subjects* but to *subjectivities*, i.e. new  
20 context-dependent forms of acting as, and becoming, a subject. To put it differently, a subject  
21 is someone who is part of the world and relates to it in an open manner, establishing an  
22 unpredictable relation to the processes of subjectivation. On their part, subjectivities are ways  
23 of becoming and acting as subjects that are historically contingent and dynamic. My argument  
24 is a normative one and it is grounded on a deliberate abstraction from the real, suggesting that  
25 humanity can change after for the better being exposed to the experience of vulnerability. To  
26 be sure, the experience of vulnerability can unite and divide. Yet thinking about new forms of  
27 subjectivities and collective action is to invest in new possibilities for reversing the  
28 unsustainability trend in ways that are compatible with personal autonomy and social justice.

29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39 In this regard, it has been argued that we are the first generation that is aware of how human  
40 actions influence the Earth-system and thus also the first that has the power and the  
41 responsibility of changing its relationship with the planet (Steffen et al., 2011: 749). Already  
42 in Ulrich Beck's theory of the risk society, the notion of reflexivity featured prominently:  
43 according to Beck, global risks can perform an «enlightening function» that allow societies to  
44 prevent the dangers that they themselves have created (Beck, 2009b: 91). Yet the new  
45 understanding of emancipation that was supposed to rise from the self-identification of society  
46 as risk society never quite happened. The problem is thus apparent: what is new about the  
47 Anthropocene? Why should the latter provide what earlier period of eco-political mobilisation  
48 did not?  
49  
50  
51  
52  
53  
54  
55  
56  
57

58 To begin with, the Anthropocene should not be understood just as an outcome of modernity —  
59 its range is much larger as it connects with the particular way in which the human species  
60

1  
2  
3 inhabit the planet. As Chakrabarty (2008) points out, different temporalities converge in the  
4 Anthropocene: the human, the industrial, the planet's. For that reason, the Anthropocene is less  
5 a risk than a condition, i.e. a new planetary context in which humanity must learn to live. As  
6 Dryzek and Pickering (2019) put it, the Anthropocene may eventually be proven either good  
7 or bad, but we can already be certain that it is «inescapable». The stakes are higher: the  
8 anthropogenic disruption of planetary systems, chiefly among them the Earth's climate, is  
9 serious enough to provide the enlightening function Beck referred to. The expression of the  
10 latter is what I call *planetary subjectivities*, which result from the awareness that (i) human  
11 beings are *earthly creatures* that depend on the Earth's conditions for their survival and well-  
12 being, and (ii) such conditions are severely endangered in the Anthropocene.

21  
22 Yet how exactly are planetary subjectivities to emerge? The Anthropocene is an «event» in the  
23 sense that Žižek (2014) gives to the word — a radical novelty that cannot be ignored once it  
24 enters into our field of perception. Climate change and other manifestations of the  
25 Anthropocene are increasingly experienced as parts of our daily life: extreme weather events  
26 and firestorms, not to mention the coronavirus pandemic, intrude in a mediated world calling  
27 our attention to the increasing dangerousness of the planet. This is the reason why the  
28 Anthropocene may serve as a driver for changing the public perception of socionatural relations  
29 — despite the competing responses that climate change and other planetary disruptions elicit.  
30 What distinguishes the Anthropocene is the manner in which it puts human agency at the centre  
31 of the Earth's functioning, integrating the different episodes of environmental disruption into a  
32 coherent narrative of global change.

33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43 The Anthropocene can thus operate as a *didactic apocalypse*. It acts both as a dystopian  
44 narrative oriented towards the transformation of present social conditions and as a real threat  
45 located sometime in the future — a threat that gains credibility set in the wider context of a  
46 remote but violent planetary history. It is didactic, because it tries to prevent the worst  
47 possibilities that are latent in the planet's current trajectory, so that a climatic catastrophe can  
48 be avoided (see Steffen et al., 2018). As an apocalypse, the Anthropocene places humanity in  
49 the juncture between two temporalities, pointing out both the *continuity* of a planet in which  
50 we appeared only recently and the *discontinuation* of the conditions that have prevailed over  
51 the last 11.700 years (see Davies, 2016). In particular, it is the Anthropocene's connection to  
52 deep time and telluric events that facilitates a new understanding of what is at stake now that  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 the Holocene has ended (see Milligan, 2013). Humanity has become colossal, reaching such  
4 proportions that it is almost impossible to understand or represent it (Raffnsøe, 2016: 12). The  
5 same goes for those entities that surround humans and interact with them: Morton (2013) has  
6 introduced the «hyperobject» in order to designate those things that are distributed massively  
7 in space or time in relation to humans and which have come to represent the end of the Earth  
8 as a stable home for humanity. The Anthropocene thus invites a particular viewpoint, that of  
9 being at the end of the world.  
10  
11  
12  
13  
14  
15  
16

17 Fostering planetary subjectivities thus involves getting familiar with the *possibility* of  
18 extinction, which is a risk inherent to our earthliness. The corresponding sense of vulnerability  
19 is expected to be a key driver of planetary subjectivities. In this sense, vulnerability responds  
20 to the harms and insecurities that constitute «a precarious position in the world» (Butler, 2016).  
21 Eco-feminist thinkers have also stressed the key role of vulnerability, connecting it to a  
22 relational view of the world that rejects the modern emphasis on the need to overcome natural  
23 constraints in order to be emancipated humans (see Haraway, 2016). In the Anthropocene, we  
24 are bound to discover that the Earth can be a precarious place for all, that the world itself  
25 becomes dangerous if not properly taken care of. Needless to say, this abstraction must be put  
26 to work. A discourse on the Anthropocene is to be developed in academia, the media, collective  
27 action, political discourses, contemporary fictions, artistic works. The Anthropocene is a  
28 symbolic and affective device that can be exploited by political actors, grassroots organisations,  
29 scholars and artists with the purpose of disturbing established ways of seeing. This is  
30 happening: the Anthropocene features in books, movies, novels, pop albums and even an opera.  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42

43 Resistance is, of course, just a possible outcome of such discourse. Yet the opposition to current  
44 social arrangements can also be expressed in a different way, namely by developing a planetary  
45 subjectivity that leads to the demand that a «good Anthropocene» is actively pursued by means  
46 other than overthrowing the current social organisation. That is why urgency must be  
47 emphasised, but also opportunity: the debate on the «good Anthropocene» is not just about  
48 survival, but about the particular way in which we wish to inhabit the Earth. As Rorty (1999)  
49 cautioned, «social hope» should be at the centre of public debate, understood as a plausible  
50 narrative of progress — meaning the belief that things *can* change for the better. The argument  
51 is not that everything will be turned around, but rather that the intrinsic features of the  
52 Anthropocene and the discourse that is emerging out of them can make a difference. Let us  
53  
54  
55  
56  
57  
58  
59  
60

1  
2  
3 recall Kant's (1992) argument about moral progress — the spectator's enthusiastic response to  
4 the French Revolution was a sign of a moral disposition in humankind in which the orientation  
5 towards the best is implicit. For the Anthropocene to perform that function, though, apocalyptic  
6 narratives must be supplemented with positive ones.  
7  
8  
9

10  
11 That is why emancipation remains as relevant as ever — provided that it is conceived in a way  
12 that is attuned to the distinctive features of the Anthropocene. It has to be reflective, i.e. aware  
13 of the biophysical foundation of social reproduction. It is thus an effect of experience (the  
14 experiences of vulnerability in the Anthropocene) as well as an effect of reason (knowledge of  
15 the Anthropocene). As the emergence of new subjectivities can be expected to coincide with  
16 an ever-growing amount of severe planetary disruptions, the availability of a positive view of  
17 the Anthropocene should help to reduce the plausibility of denialist counterarguments. By  
18 presenting a positive view of humanity in the Anthropocene that contrasts with the emphasis  
19 on austerity and restraint (see Arias-Maldonado, 2020), ecomodernism can successfully  
20 represent an alternative to those political discourses that insists on the impossibility and/or  
21 undesirability of human emancipation in a climatically disturbed planet.  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33

## 34 References

- 35  
36  
37 Adorno T and Horkheimer M (1997) *The Dialectic of Enlightenment*. London: Verso.  
38 Adorno T (2004) *Minima Moralia. Reflections from Damaged Life*. London: Verso.  
39 Alexander S (2013) Voluntary Simplicity and the Social Reconstruction of Law: Degrowth  
40 from the Grassroots Up. *Environmental Values* 22(2): 287–308.  
41 Arias-Maldonado M (2020) Blooming landscapes? The paradox of utopian thinking in the  
42 Anthropocene. *Environmental Politics* 29(6): 1024–1041.  
43 Asafu-Adjaye J, et al. (2015) *An Ecomodernist Manifesto*. Available at:  
44 <http://www.ecomodernism.org/>  
45 Ausubel JH (1996) Can technology spare the earth? *American Scientist* 84(2): 166–178.  
46 Barnes J (2016) Rifts or Bridges? Ruptures and Continuities in Human-Environment  
47 Interactions. In: Emmett R and Lekan T (eds) *Whose Anthropocene? Revisiting Dipesh*  
48 *Chakrabarty's 'Four Theses'*. Munich: Rachel Carson Center Perspectives, pp.41–46.  
49 Barry J (2012) *The Politics of Actually Existing Unsustainability*. Oxford: Oxford University  
50 Press.  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

- 1  
2  
3 Beck U (1986) *Risikogesellschaft. Auf dem Weg in eine andere Moderne*. Frankfurt: Suhrkamp.  
4  
5 Beck U, Giddens A and Lash S (1994) *Reflexive Modernization. Politics, Tradition, and*  
6  
7 *Aesthetics in the Modern Social Order*. Cambridge: Polity Press.  
8  
9 Beck U (2009) *World at Risk*. Cambridge: Polity Press.  
10  
11 Beeson M (2019) *Environmental Populism: The Politics of Survival in the Anthropocene*.  
12  
13 Singapore: Springer.  
14  
15 Blühdorn I (2019) The dialectic of democracy: modernization, emancipation and the *great*  
16  
17 *regression*. *Democratization* 27(3): 1–19.  
18  
19 Brand S (2009) *Whole Earth Discipline*. New York: Viking Press.  
20  
21 Brunkhorst H (2004) Critical Theory and the analysis of contemporary mass society. In: Rush  
22  
23 F (ed) *The Cambridge Companion to Critical Theory*. Cambridge: Cambridge University  
24  
25 Press, pp.248–279.  
26  
27 Butler J (2016) Rethinking Vulnerability and Resistance. In: Butler J, Gambetti Z and Sabsay  
28  
29 L (eds) *Vulnerability in Resistance*. Durham & London: Duke University Press, pp.12–27.  
30  
31 Chakrabarty D (2008) The climate of history: four theses. *Critical Inquiry* 35: 197–222.  
32  
33 Crownshaw T, et al. (2019) Over the horizon: Exploring the conditions of a post-growth world.  
34  
35 *The Anthropocene Review* 6(1–2): 117–141.  
36  
37 Danowski B and Viveiros de Castro E (2017) *The Ends of the World*. Cambridge: Polity.  
38  
39 Davies J (2016) *The Birth of the Anthropocene*. Oakland: University of California Press.  
40  
41 De Geus M (1999) *Ecological Utopias. Envisioning the Sustainable Society*. Utrecht:  
42  
43 International Books.  
44  
45 Demaria F, Schneider F, Sekulova F and Martínez-Alier J (2013) What is degrowth? From an  
46  
47 activist slogan to a social movement. *Environmental Values* 22: 191–215.  
48  
49 Deriu M (2012) Democracies with a future: Degrowth and the democratic tradition. *Futures*  
50  
51 44(6): 553–561.  
52  
53 Dobson A (2016) Are There Limits to Limits? In: Gabrielson T, et al. (eds) *The Oxford*  
54  
55 *Handbook of Environmental Political Theory*. Oxford: Oxford University Press, pp.289–  
56  
57 303.  
58  
59 Douthwaite R (1993) *The Growth Illusion. How Economic Growth Has Enriched the Few,*  
60  
*Impoverished the Many, and Endangered the Planet*. Tulsa: Council Oak Books.  
61  
62 Dryzek J and Pickering J (2019) *The Politics of the Anthropocene*. Oxford: Oxford University  
63  
64 Press.  
65  
66 Dworkin G (1988) *The Theory and Practice of Autonomy*. Cambridge: Cambridge University  
67  
68 Press.

- 1  
2  
3 Ellis E (2018) *Anthropocene. A Very Short Introduction*. Oxford: Oxford University Press.  
4  
5 Foucault M (1986) *The Care of the Self*. New York: Pantheon.  
6  
7 Fremaux A (2019) *After the Anthropocene: Green Republicanism in a Post-Capitalist World*.  
8 London: Palgrave.  
9  
10 Gambrel JC and Cafaro P (2010) The Virtue of Simplicity. *Journal of Agricultural and*  
11 *Environmental Ethics* 23(1–2): 85–108.  
12  
13 Greene J (2014) *Moral Tribes. Emotion, Reason, and the Gap Between Us and Them*. London:  
14 Atlantic Books.  
15  
16 Guilluy C (2019) *No Society: la fin de la classe moyenne occidentale*. Paris: Flammarion.  
17  
18 Habermas J (1987) *The Theory of Communicative Action. Volume 2: Lifeworld and System: A*  
19 *Critique of Functionalist Reason*. Cambridge: Polity.  
20  
21 Hamilton C (2016) The Anthropocene as rupture. *The Anthropocene Review* 3(2): 93–106.  
22  
23 Haraway D (2016) *Staying with the Trouble. Making Kin in the Chthulucen*. Durham &  
24 London: Duke University Press.  
25  
26 Hausknost D (2020) The environmental state and the glass ceiling of transformation.  
27 *Environmental Politics* 29(1): 17–37.  
28  
29 Heinberg R (2011) *The End of Growth. Adapting to Our New Economic Reality*. Forest Row:  
30 Clairview.  
31  
32 Horkheimer M (2013) *Eclipse of Reason*. London & New York: Bloomsbury.  
33  
34 Jaeggi R (2014) *Kritik von Lebensformen*. Berlin: Suhrkamp.  
35  
36 Jackson T (2009) *Prosperity Without Growth. Economics for a Finite Planet*. London:  
37 Earthscan.  
38  
39 Kahneman D (2011) *Thinking, fast and slow*. London & New York: Allen Lane.  
40  
41 Kallis G (2011) In defence of degrowth. *Ecological Economics* 70: 873–880.  
42  
43 Kallis G (2019) *Limits: Why Malthus Was Wrong and Why Environmentalists Should Care*.  
44 Stanford: Stanford University Press.  
45  
46 Kanschik P (2016) Eco-Sufficiency and Distributive Sufficiency – Friends or Foes?  
47 *Environmental Values* 25: 553–571.  
48  
49 Kant I (1992) *The Conflict of the Faculties*. Lincoln: University of Nebraska Press.  
50  
51 Kant I (2009) *An Answer to the Question: ‘What is Enlightenment?’* London: Penguin.  
52  
53 Karlsson R (2018) The high-energy planet. *Global Change, Peace and Security* 30(1): 77–84.  
54  
55 Latouche S (2010) Editorial — degrowth. *Journal of Cleaner Production* 18: 519–522.  
56  
57 Latour B (2011) Love Your Monsters. Why We Must Care for Our Technologies as We Do  
58 Our Children. *Breakthrough Journal* 2: 17–25.  
59  
60

- 1  
2  
3 Lepori M (2015) There is no Anthropocene: Climate Change, Species-Talk, and Political  
4 Economy. *Telos* 172: 103–124.  
5  
6 Lewis M (1992) *Green Delusions. An Environmentalist Critique of Radical Environmentalism.*  
7 Duke: Duke University Press.  
8  
9 Locke J (1988) *Two Treatises of Government.* Cambridge: Cambridge University Press.  
10  
11 Marcuse H (2002) *One-Dimensional Man: Studies in the Ideology of Advanced Industrial*  
12 *Society.* Abingdon & New York: Routledge.  
13  
14 Marx K (2000a) Theses on Feuerbach. In: McLellan D (ed) *Karl Marx: Selected Writings.*  
15 Oxford: Oxford University Press, pp.171–174.  
16  
17 Marx K (2000b) On the Jewish Question. In: McLellan D (ed) *Karl Marx: Selected Writings.*  
18 Oxford: Oxford University Press, pp.46–70.  
19  
20 Meadows D, et al. (1972) *The limits to growth: A report for the club of Rome's project on the*  
21 *predicament of mankind.* New York: Universe Books.  
22  
23 Meyer J (2016) Politics in—but not of—the Anthropocene. In: Emmett R and Lekan T (eds)  
24 *Whose Anthropocene? Revisiting Dipesh Chakrabarty's 'Four Theses'.* Munich: Rachel  
25 Carson Center Perspectives, pp.47–53.  
26  
27 Mill JS (2008) *Principles of Political Economy.* Oxford: Oxford University Press.  
28  
29 Mill JS (2015) *On Liberty, Utilitarianism and Other Essays.* Oxford: Oxford University Press.  
30  
31 Milligan B (2013) Space-Time Vertigo. In: Ellsworth E and Kruse J (eds) *Making the Geologic*  
32 *Now: Responses to Material Conditions of Contemporary Life.* Brooklyn: Punctum Books,  
33 pp.123–130.  
34  
35 Mol APJ, Sonnenfeld D and Spaargaren G (2009) *The Ecological Modernisation Reader.*  
36 London: Routledge.  
37  
38 Morton T (2013) *Hyperobjects. Philosophy and Ecology after the End of the World.*  
39 Minneapolis & London: University of Minnesota Press.  
40  
41 Mythen G (2004) *Ulrich Beck. A Critical Introduction to the Risk Society.* London: Pluto Press.  
42  
43 Nordhaus T and Shellenberg M (2007) *Break Through. From the Death of Environmentalism*  
44 *to the Politics of Possibility.* Boston: Houghton Mifflin.  
45  
46 Paulson S, Kallis G, D'Alisa G and Demaria F (2020) *The Case for Degrowth.* Cambridge:  
47 Polity.  
48  
49 Pichler M, Brand U and Görg C (2020) The Double Materiality of Democracy in Capitalist  
50 Societies. Challenges for Socio-Ecological Transformations. *Environmental Politics* 29(2):  
51 193–213.  
52  
53 Princen T (2005) *The Logic of Sufficiency.* Cambridge: The MIT Press.  
54  
55  
56  
57  
58  
59  
60

- 1  
2  
3 Raffnsøe S (2016) *Philosophy of the Anthropocene: The Human Turn*. New York: Palgrave  
4 Macmillan.  
5  
6 Reichel A and Perey R (2018) Moving beyond growth in the Anthropocene. *The Anthropocene*  
7 *Review* 5(3): 242–249.  
8  
9  
10 Revkin A (2014) Exploring Academia's Role in Charting Paths to a 'Good' Anthropocene. In:  
11 *Dot Earth (blog), New York Times*. Available at:  
12 [https://dotearth.blogs.nytimes.com/2014/06/16/exploring-academias-role-in-charting-](https://dotearth.blogs.nytimes.com/2014/06/16/exploring-academias-role-in-charting-paths-to-a-good-anthropocene/)  
13 [paths-to-a-good-anthropocene/](https://dotearth.blogs.nytimes.com/2014/06/16/exploring-academias-role-in-charting-paths-to-a-good-anthropocene/) (accessed 9 December 2020).  
14  
15  
16 Romano O (2019) *Towards a Society of Degrowth*. London: Routledge.  
17  
18 Rorty R (1999) *Philosophy and Social Hope*. Penguin: London.  
19  
20 Rousseau JJ (1984) *A Discourse on Inequality*. London: Penguin.  
21  
22 Semal L (2015) Anthropocene, catastrophism and green political theory. In: Hamilton C,  
23 Bonneuil C and Gemenne F (eds) *The Anthropocene and the Global Environmental Crisis*.  
24 London & New York: Routledge, pp.87–99.  
25  
26  
27 Srnicek N and Williams A (2017) *Accelerate Manifesto: For an Acceleracionist Politics*.  
28 Gato Negro: Mexico DF.  
29  
30 Steffen W, et al. (2011) The Anthropocene. From Global Change to Planetary Stewardship.  
31 *Ambio* 40(7): 739–761.  
32  
33  
34 Steffen W, et al. (2018) Trajectories in the Earth System in the Anthropocene. *Proceedings of*  
35 *the National Academy of Sciences of the United States of America* 115(33): 8252–8259.  
36  
37 Stengers I (2015) *In Catastrophic Times: Resisting the Coming Barbarism*. London: Open  
38 Humanities Press & Meson Press.  
39  
40  
41 Susen S (2014) Emancipation. In: Gibbons M (ed) *The Encyclopedia of Political Thought*.  
42 Malden: Wiley-Blackwell, pp.1024–1038.  
43  
44 Symons J (2019) *Ecomodernism: Technology, Politics, and the Climate Crisis*. Cambridge:  
45 Polity Press.  
46  
47  
48 Vetlesen A (2015) *The Denial of Nature: Environmental Philosophy in the Era of Global*  
49 *Capitalism*. London: Routledge.  
50  
51 Virilio P (2007) *The Original Accident*. Cambridge: Polity.  
52  
53 Vogel S (2016) *Thinking Like A Mall. Environmental Philosophy After the End of Nature*.  
54 Cambridge: The MIT Press.  
55  
56 Weiss M and Cattaneo C (2017) Degrowth – Taking Stock and Reviewing an Emerging  
57 Academic Paradigm. *Ecological Economics* 137: 220–230.  
58  
59  
60

1  
2  
3 Zalasiewicz J, Waters C, Williams M and Summerhayes C (2019) *The Anthropocene as a*  
4 *Geological Time Unit. A Guide to the Scientific Evidence and Current Debate*. Cambridge:  
5 Cambridge University Press.  
6  
7

8 Žižek S (2014) *Event*. London: Penguin.  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60

For Peer Review