



Deposited via The University of York.

White Rose Research Online URL for this paper:

<https://eprints.whiterose.ac.uk/id/eprint/189287/>

Version: Published Version

Article:

Mair, Simon, Druckman, Angela and Jackson, Tim (2020) A tale of two utopias:Work in a post-growth world. *Ecological Economics*. 106653. ISSN: 0921-8009

<https://doi.org/10.1016/j.ecolecon.2020.106653>

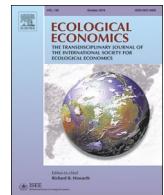
Reuse

This article is distributed under the terms of the Creative Commons Attribution (CC BY) licence. This licence allows you to distribute, remix, tweak, and build upon the work, even commercially, as long as you credit the authors for the original work. More information and the full terms of the licence here:
<https://creativecommons.org/licenses/>

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.





Analysis

A tale of two utopias: Work in a post-growth world

Simon Mair*, Angela Druckman, Tim Jackson

Centre for the Understanding of Sustainable Prosperity, University of Surrey, Guildford, UK



ARTICLE INFO

Keywords:

Utopia
Post-growth
Environmentalism
Environmental limits
Work
Employment
Futures
Post-work
Post-capitalism
Feminism

ABSTRACT

In this paper, we aim to contribute to the literature on post-growth futures. Modern imaginings of the future are constrained by the assumptions of growth-based capitalism. To escape these assumptions we turn to utopian fiction. We explore depictions of work in Cokayne, a utopian tradition dating back to the 12th century, and William Morris's 19th century *News from Nowhere*. Cokayne is a land of excessive consumption without work, while in *News from Nowhere* work is the route to the good life. These competing notions provide inspiration for a post-growth vision of work. We argue that biophysical and social dynamics mean that in a post-growth economy we are likely to have to be less productive and work more. But, this can be a utopian vision. By breaking the link between work and consumption at the level of the individual, we can remove some of the coercion in work. This would free us to do jobs that contribute to the social good, rather than generate exchange value, and empower us to fight for good work. Finally, we draw on eco-feminist analyses of capitalism to argue that by challenging labour productivity growth we can also challenge wider forces of oppression.

1. Introduction

To achieve sustainable societies we are likely to have to move beyond growth based economies. Historically, economic growth has been coupled with environmental impact. It is extremely unlikely that we will be able to decouple one from the other (Hickel and Kallis, 2019; Jackson and Victor, 2019). There are a number of dynamics that drive the growth-environment coupling. One key example is that the socio-economic structures that incentivise resource efficiency gains also incentivise using those gains to fuel further growth in production. Under such dynamics, efficiency gains ultimately drive up resource use (Jackson, 2017; Mair, 2019; Sakai et al., 2019). Addressing this and other drivers of growth will have major implications for how we live. In this paper we take the issue of work as a case in point.

1.1. Work beyond growth?

Currently, work is bound up with growth dynamics. Take, for example, the 'productivity trap' (Jackson and Victor, 2011). To reduce their costs, grow profits and break into new markets, firms attempt to increase labour productivity. The net result of labour productivity growth is that fewer people are needed to produce the same amount of goods. This means that without growth people are made unemployed. Under the political economy of growth-based capitalism, unemployment means a loss of social status and only limited access to the material goods of life.

Consequently, the political economy of work in wealthy capitalist economies puts pressure on all of us to support growth.

A second example is the way that work is organised to support growth. When economists and politicians speak of growth they are usually discussing increases in 'real' GDP (Kallis, 2017). GDP is primarily designed as a way to measure and understand market activity (European Commission et al., 2008). Consequently when our economies are organised to drive growth, this results in the expansion of markets and market work – often at the expense of non-market forms of work (Dengler and Strunk, 2017). Feminists and ecological economists have for a long time argued that endless pursuit of market growth degrades other forms of work, notably 'reproductive' work. This is the work done by nature, and that done in the commons and in the household. This work is essential to the reproduction of society but is rarely rewarded financially. It is not coincidental that the forms of work that are degraded are those that came to be associated with women in the Middle Ages (Federici, 2014; Saunders and Dalziel, 2017).

Ecological economists have put forward two key ideas for how work might function in a post-growth or degrowth economy. 1) Reducing the number of hours worked and 2) reducing the amount of goods and services produced for each hour worked. In other words, we can reduce working hours (Hayden, 1999; Jackson and Victor, 2011; Victor, 2012; Dengler and Strunk, 2017; Zwickl et al., 2016). We can stop, reverse, or slowdown labour productivity growth (Jackson and Victor, 2011; Nørgård, 2013; Ferguson, 2016; Jackson, 2017). Or we can do both.

* Corresponding author.

E-mail addresses: s.mair@surrey.ac.uk (S. Mair), a.druckman@surrey.ac.uk (A. Druckman), t.jackson@surrey.ac.uk (T. Jackson).

In this paper we bring a new perspective to these debates. We use an exploration of depictions of work in historical utopian fiction as the basis for a discussion of work in post-growth futures. We argue that the most fruitful focus for research, policy, and activism towards post-growth futures is to challenge the dynamic of labour productivity growth.

1.2. The value of utopian thought

We turn to utopian fiction because we believe that a central challenge of post-growth economics is the difficulty of finding appropriate models in today's economic structures, which are dependent on growth. Utopian fiction is a valuable resource for critically rethinking socio-economic structures and drawing inspiration for new ecologically sound and socially just post-growth economic futures.

Utopian fiction in particular, and literary analysis more generally, has been underused by ecological economists. However, there are a few notable exceptions that point to the possibilities that utopian fiction opens up for ecological economics.

Kallis and March (2015) use the anarchist society described in Le Guin's (1974/1987) *The Dispossessed* to explore the political appeal and purpose of the degrowth concept. Other ecological economists have pointed to the utopian impulse of ecological economics (Martinez-Alier, 1992; Ingebrigtsen and Jakobsen, 2012). Recent contributions from Foster (2017) and Levitas (2017) engage with utopian fiction and pick up themes familiar to ecological economists. Foster uses William Morris's *News from Nowhere* to discuss possibilities for work in a sustainable future. Levitas argues for the potential of utopian fiction to help us envisage the radical social change required for a 'sustainable prosperity'. In this paper we aim to build on these works and show how utopian fiction can be a useful part of the ecological economics toolkit.

We aim to show that utopian fiction can be used to expand our collective economic imaginations. Fictional narratives have ethical impacts on readers, changing how they engage with the world (Gregory, 1998; Johns-Putra, 2016). Utopian fiction in particular provides a critical distance from today's problems, encouraging us to view how we live now in the light of how we might live tomorrow (Levitas, 2017). These qualities are essential for developing a forward-looking ecological economics.

We live under a form of 'capitalist realism' (Fisher, 2009) – the collective belief that there is no way to organise social relations other than those we see under capitalism. Under such conditions the utopian act of imagining a future, with different social institutions, is itself a form of resistance and struggle (Davies, 2018). Yet it is one that is extremely hard to do – more often than not, future visions are either apocalyptic, or based on technological, rather than social, innovation (Slaughter, 2004). By virtue of being written at different points in time, historical utopian fiction has the advantage of distance from the apocalyptic and tech fuelled economic imaginaries that permeate our everyday experiences. In this way it enables us to achieve critical distance from today's economy. This is essential for constructing post-growth economic theory which must be radically different from the economics we live with day-to-day.

We treat historical utopian fiction as analogous to economic theory. Historian of economic thought Warren Samuels argues that economic models and utopian novels are similar in form. Both tell a "story not about actual economies but of an abstracted rational reconstruction" (Samuels, 2003, p. 204). And, like models, utopias are often explicitly informed by economic thinking. For example, utopian author Kim Stanley Robinson's recent work was informed by green and ecological economists including: Hazel Henderson, Herman Daly and E.F. Schumacher (Robinson, 2016). Here we seek to uncover these economic elements in the work of William Morris, and in the utopian tradition of Cokayne. Like studying the history of economic thought or interrogating an economic model, bringing the economic ideas embodied in historical utopian fiction into conversation with modern insights can be a useful way of developing new economic theory.

1.3. Aims and contribution

In this paper we ask what a positive future of work could look like in a post-growth society. To this end we focus on visions of work in two contrasting utopias. First, we explore a variety of interpretations of the depiction of work in the Cokayne tradition of folk utopias. Cokayne tales span the 12th and 21st centuries and are all set in a land of plenty where work is forbidden. We then explore the concept of work in *News from Nowhere*, a late 19th century English utopia written by the socialist and romantic William Morris. In contrast to Cokayne, *News from Nowhere* makes work a central route to the good life. Finally, we bring the ideas of Cokayne and *News from Nowhere* into conversation with insights from ecological and feminist economics. On this basis we sketch our own ideas on the role of work in a post-growth economy.

Our vision of a post-growth future is one in which we work more, but radically differently: we are less 'productive'. We argue that this is necessary because labour productivity growth is a dynamic that is symbiotic with growth and degradation of the environment. Consequently, a move to a post-growth economy must also be a move to a low labour productivity growth economy. However, this symbiosis also means that labour productivity growth is also implicated in over production, and the degradation of work. By removing coercive market forces we can improve working conditions and reduce levels of production by freeing people to work in socially useful ways. Drawing on eco-feminist analysis, we then show that labour productivity growth is implicated in patriarchal oppression. Therefore, challenging labour productivity growth will allow the post-growth movement to build a broad-based coalition of interests against growth based capitalism and towards greater equality and happier lives.

2. Cokayne: utopia without work?

Cokayne¹ is the setting for a long tradition of folk utopias, a fantastical land of plenty where people feast on self-roasting geese and sleep all day. Cokayne is well known in the utopian literature, but has received little attention in ecological economics or futures studies. Here we introduce readers to the tradition and a selection of its varying interpretations. The multiple interpretations of the Cokayne tradition demonstrate the richness of utopian writing on the economics of work.

The Cokayne tradition peaked in popularity in 12–16th century Europe (Lochrie, 2016). One of the earliest surviving Cokayne manuscripts is the French poem 'De Cocaingne', written as a performance piece in 1250. *De Cocaingne* (reprinted in Parsons, 2015) establishes numerous tropes that are characteristic of later Cokaynes. These include linking idleness to monetary reward, and animals that cook themselves. Slightly later comes 'The Land of Cokayne', a Middle English poem written in Ireland around 1300 (reprinted in Millett, 2003). 'The Land of Cokayne' takes the imagery of *De Cocaingne* and sets it in the context of a monastery. An example of Cokayne from later in this period (1567) is 'The Land of Cockaigne', a painting by the Flemish artist Pieter Bruegel the Elder (Fig. 1).

The Cokayne tradition survives in more modern cultures. Perhaps the most established modern Cokayne is *The Big Rock Candy Mountains*,² a folk song describing a hobo's³ paradise, a land filled with cigarette trees and whisky lakes. The song was brought to prominence

¹ We use an English term *Cokayne* throughout this paper. In French it is *Cocaingne*, or *Cucagna*; in Spanish *Jauja*; German *Schlafendenland*; and in Dutch *Luilekkerland* (Lochrie, 2016). There are variations on the spelling of these terms and other names outside of Europe.

² Harry McClintock's polite version can be heard at <https://www.youtube.com/watch?v=JqowmHgxVJQ> and is reprinted in Raulerson (2013).

³ Here Hobo is the name for a North-American subculture defined by a transient nature and a commitment to work. See Raulerson (2011).



Fig. 1. The Land of Cockaigne, Pieter Bruegel, 1567. Image Source: https://upload.wikimedia.org/wikipedia/commons/a/a5/Pieter_Bruegel_d._%C3%84._037.jpg.

in 1928 by the singer Harry McClintock, but was written in 1905 based on earlier oral traditions (Raulerson, 2013).

The thread connecting all Cokaygnian tales is a land where the link between labour and production has disappeared. For example, in *De Cocaingne*, “*the more you sleep the more you earn*” (Parsons, 2015 lines 26–28). Alternatively, *The Big Rock Candy Mountains* does away with the means of production: “*there are no short-handled shovels, no axes, spades or picks*”. Presumably these were disposed of when the residents “*hung the jerk/That invented work*” (Raulerson, 2013 Verse 3 lines 6–7). But the lack of workers and means of production does not mean that Cokayne is a place of material restraint.

Cokayne is a land where everything is produced without labour and consumption is spectacular. In Medieval Cokaynes it is common to find rivers, lakes and streams “*Of oil and milk, honey and wine*” (Millett, 2003 line 46). More modern Cokaynes have “*lemonade springs... And a gin lake too.*” (Raulerson, 2013 verse 1 line 6 and verse 4 line 6). So it is unsurprising that we don't find dairy farmers or distillers. Likewise, in Cokayne there are no cooks, but they aren't missed because the animals of Cokayne prepare themselves to be eaten. *De Cocaingne* has “*Fat geese, turning/All by themselves, and fully ready*” (Parsons, 2015, lines 38–39) and Bruegel's *The Land of Cockaigne* features a roast pig walking around with a knife strapped to its side. Similarly, the preparation of places to feast happens with no servants in sight. For example, in *De Cocaingne* (Parsons, 2015, lines 41–44),

“...at all times
In the streets and in the lanes
You find tables already laid
And spread over with white cloths”

In short, Cokayne is a land where no-one ever appears to work but where everyone consumes extravagantly.

2.1. Between utopia and moral instruction

Cokayne's extravagant consumption most likely started life as a satirical take on paradise myths. Manuel and Manuel (1979) and Kumar (1991) argue that the roots of Cokayne are in satirical mockings of the Ancient Greek myth of the Golden Age. Medieval Cokaynes mock the relative poverty of the Judaeo-Christian paradise. For example, *The Land of Cokayne* (Millett, 2003, lines 5–8) opens with:

“Though Paradise is fair and bright,
Cockayne is a finer sight.”

The poet then goes on to contrast the sparseness of heaven, with the luxury of Cokayne (Millett, 2003, lines 9–17):

“Though paradisal joys are sweet,
There's nothing there but fruit to eat;
No bench, no chamber, and no hall,
No alcoholic drink at all.”

The poet continues this comparison at some length, finally concluding that “*Cockayne offers better fare*” than heaven.

Cokayne's extravagance has also been used to satirise excessive consumption. For Lochrie (2016), Cokayne started life as a utopia, but became increasingly moralised as the Middle Ages progressed. By the time of Bruegel's painting (Fig. 1), Lochrie argues that Cokayne has ceased to be a utopia. Rather, Bruegel's lifeless figures warn us away from Cokayne's life of excess. For Parsons (2015) this narrative is only partially correct. Cokayne hasn't become a moral lesson, it has *always been* a moral lesson. Discussing *De Cocaingne* (written three centuries prior to Bruegel's painting), Parsons notes that two out of the three original manuscripts are found alongside poems that have moral intent. Based on this and what he terms its “*grotesque imagery*” (p. 173), Parsons concludes that Cokayne “*is in essence an exercise in reductio ad absurdum, taking the belief that happiness can be attained in the material world to its most ridiculous possible extreme in order to direct its reader towards more spiritual ends*” (p. 180).

However, this view is far from settled – where Parsons sees grotesquery, others see a ‘carnival spirit’ (Kendrick, 2004). In this view, rather than being a warning to avoid a life of materialism and leisure, Cokayne is seen as depicting a desirable life. This utopian reading sees Cokayne's combination of fantasy and comedy as expressions of desire that overwhelm any moral intent. There is some contextual evidence to support this idea: one early copy of *De Cocaingne* is introduced as and included alongside several French ‘fabliaux’, known for their obscene humour (Parsons, 2015; Lochrie, 2016). However, the utopian case for Cokayne is more usually based on its imagery and content.

Most authors who see a utopia in Cokayne do not argue against its satirical intent, but maintain that this is undermined by the use of rich imagery and appealing central concept. For example, Kumar (1991) argues that Cokayne ends up looking like a drunken feast of the type

enjoyed by medieval peasants. [Manuel and Manuel \(1979, p. 79\)](#) suggest that this comes about because the writers of Cokayne are too close to their audience to “*dismiss their vulgar aspirations with philosophical contempt*”. The result is that even if Cokayne started life as a cautionary tale of excess, its writers got so caught up in the imagery that things “*quickly got out of hand, and the satire was swallowed up in the Utopia*” ([Morton, 1969](#), p. 17).

2.2. Cokayne as a critique of inequality

The utopian reading of Cokayne is facilitated by the assumption that the Cokaygnian audience are those who have worked long hours and lived in material poverty. In this vein, Cokayne is seen as the utopia of “*those at the bottom of the social hierarchy*” ([Sargent, 2015](#), p. 21). The idea here is that utopias are an expression of desire for a better way of living. Therefore, a utopian vision is one free from the struggles that most plague its audience.

From this perspective, Cokayne – the land of abundance and idleness – makes sense as a utopia for those who are burdened with arduous work and poverty. Following this logic, Medieval Cokaynes are often thought of as the utopia of peasant farmers ([Levitas, 1990](#); [Pleij, 2001](#)). In the USA, the Cokaygnian tradition is thought to belong to various poverty-stricken groups: African-American slave communities, Native Americans (after colonisation), and the unemployed of the Great Depression ([Sargent, 2015](#)). Cokayne makes sense as utopia for these groups because “*for people who were constantly hungry, with little or no chance of earning money to buy food, and dependent on hand-outs, these images [of Cokayne] have an obvious appeal*” ([Sargent, 2015](#), p. 32). Because of this basis in appealing imagery, the Cokaygnian utopia has been interpreted as a naïve compensatory fantasy ([Parsons, 2015](#); [Lochrie, 2016](#)).

However, the view that Cokayne's audience is primarily the over-worked and marginalised poor lends itself to a more critical utopian reading. This interpretation does not dispute the base pleasures of Cokayne's materialism or idleness, but it argues that alongside this is a critique of inequality and injustice ([Morton, 1969](#); [Kendrick, 2004](#); [Lochrie, 2016](#)). In contrast to the real world, in Cokayne people have everything they need regardless of their wealth or status. For example, *The Land of Cokayne* states that “*All is common to young and old/To strong and stern, to meek and bold.*” ([Millett, 2003](#), lines 63–64). Similarly, in *De Cocaingne* ([Parsons, 2015](#), lines 45–56):

“*You can drink, and eat as well,
As much as you want with no problem,
With no challenge, and no refusal.
Nor does anyone have to pay the bill
After he eats, for no-one keeps count.*”

The explicit recognition in this passage that consumption has nothing to do with the ability to pay, can be seen as a critique of the way that actually existing economies of the time distributed goods in ways that excluded the poor. This interpretation roots Cokayne's utopianism in a critique of economic inequality.

A central element of the critical utopian reading of Cokayne is the way it takes the lifestyle of the aristocracy and makes it available to the poor. [Lochrie \(2016\)](#) interprets the way that Cokayne disrupts the work-production relationship as redistribution, taking the lifestyles of the wealthy and making them available to all. From this perspective, *De Cocaingne*'s maxim ‘the more you sleep, the more you earn’ can be seen as a reflection of the lives of medieval European aristocracy writ large. In Medieval Europe, almost all economic surplus was taken from peasant farmers by the aristocratic class ([Milanovic et al., 2010](#)). By contrast, in Cokayne everybody has access to material comfort.

Some authors go a step further, arguing that rather than distributing goods to everybody, Cokayne distributes goods only to the poor. [Morton \(1969\)](#) argues that rich people cannot access Cokayne. [Sargent \(2015\)](#) makes the same point, noting that in several Cokaygnian texts,

to get to Cokayne the traveller has to endure trials that reflect everyday experiences of peasants but are alien to the aristocracy. To get to *The Land of Cokayne*, for instance, a “*Gentlemen, well-bred and kind*” ([Millett, 2003](#) line 183) must spend seven years wading “*through pigshit to his chin*” ([Millett, 2003](#) line 181). For [Morton \(1969, p. 24\)](#), the meaning of such imagery “*is clear enough: the land of Cokayne is, like the Kingdom of Heaven, harder for a rich man to enter than for a camel to go through the eye of a needle.*”

2.3. Cokayne as a sham utopia

Finally, it is useful to turn to an interpretation of Cokayne which serves to connect the critical utopia and the moral lesson. Cokayne as a moral lesson points to the emptiness of Cokayne's lifestyle. Cokayne as a social critique highlights the way that Cokayne inverts existing economic relationships to make consumption more widely available. The final interpretation we raise here is also based on a critique of economic relationships but is more critical of Cokayne's lifestyle than the utopian reading.

The central relation in the ‘sham’ interpretation of Cokayne is exploitation. This is particularly clear in some versions of *The Big Rock Candy Mountains* which bookend the verses about the wonders of Cokayne with interactions between an older ‘joker’ and younger ‘punk’. These interactions reframe Cokayne as a lie told by the older man in order to convince the younger man to join him on the road ([Raulerson, 2013](#)). Eventually the punk refuses:

“*I've hiked and hiked till my feet are sore,
I'll be God damned if I hike any more,
To be buggered sore, like a hobo's whore,
In the Big Rock Candy Mountains.*”

[Raulerson \(2013\)](#) argues that as well as highlighting exploitative sexual politics that can be found in hobo culture, these additional verses support a wider political intent from McClintock. McClintock was a member of the revolutionary global union the Industrial Workers of the World. In the versions of Cokayne with the additional verses, Cokayne represents the lie told by the employer class to workers. There is no Cokayne, at least not for the working class. This is a perpetual lie, a false promise designed to keep workers in line. The punk's retort represents the working class becoming aware of their oppression and refusing to go along with the lie of Cokayne.

2.4. Leaving Cokayne

We are not arguing here for one or other of these interpretations as correct. Nor is our discussion here comprehensive – there are other interpretations of Cokaygnian tales. Texts take on a life of their own, and are always ambiguous in their meaning. In part this is the usefulness of Cokayne specifically and utopian studies more generally. Reading various Cokaynes and seeing how they are interpreted by others gives us an insight into multiple possible understandings of work. Engaging with multiple interpretations gives us space to reflect on work in the here and now. In [Section 4](#) we will reflect on some of the themes of Cokayne in the light of our understanding of today's economy. But first we turn to another utopia with an altogether different depiction of work.

3. News from nowhere - work as prosperity?

Written by William Morris, *News from Nowhere* is a late 19th century utopia. Morris takes us into ‘Nowhere’ through the eyes of ‘William Guest’, who one-day finds himself in a post-revolutionary England. Guest tours this strange new land and finds that communist revolution has transformed England into a classless, stateless and moneyless utopia populated by artisans. Unlike Cokayne, *News from Nowhere* is relatively well known in sustainability circles (e.g. [Miller, 2011](#); [Foster,](#)

2017). While the previous sections served primarily to introduce an unfamiliar utopian tradition and the multitude of ways its view of work can be interpreted, in this section we demonstrate how engaging with the economic thought embodied in utopian fiction can provide a basis for new economic theorising. To this end we present our account of the economic thought underpinning the depiction of work in *News from Nowhere*.

At the heart of *News from Nowhere* is a theory of work as key to human wellbeing – a position re-emphasised recently in relation to prosperity (Jackson, 2017; Foster, 2017). Throughout his travels in Nowhere, Guest meets people engaged in various forms of work (mending roads, studying mathematics, blowing glass). Although much of this work has instrumental value, people undertake it primarily because they derive something from the work itself. This is most explicitly illustrated in an exchange between Guest and 'Hammond' (a resident of Nowhere),

"how do you get people to work when there is no reward of labour, and especially how do you get them to work strenuously?"
'No reward of labour?' said Hammond, gravely. 'The reward of labour is life. Is that not enough?'
 (Morris, 1890b emphasis in original)⁴

Hammond goes on to tell Guest that people work in Nowhere in order to create, and the reward of creation is "*the wages which God gets*" (Morris, 1890b). Through this and other interactions we learn that in Nowhere people find meaning through their work. However, Morris's theory of work in *News from Nowhere* should not be read as an endorsement of the reality of work in the 19th century.

In fact, the theory of work as prosperity is one of the most utopian elements of *News from Nowhere*. Morris saw most work in late 19th century England as "useless toil" characterised by a lack of pleasure (Morris, 1884b). Morris believed that capitalist dynamics made work bad by pushing the division of labour (that is, the simplification of tasks, and specialisation of workers) to its extreme, and through the production of unnecessary goods. Consequently, in *News from Nowhere* the economy is reimagined: there is no consumerism, and production is motivated by art and need rather than profit.

3.1. Morris on the division of labour

Morris's principle argument against the division of labour is that it takes creativity and variety out of work. This argument draws heavily on his mentor John Ruskin's belief that the division of labour improved productivity by taking thought out of work:

"You can teach a man to draw a straight line, and to cut one; to strike a curved line, and to carve it; and to copy and carve any number of given lines or forms, with admirable speed and perfect precision; and you find his work perfect of its kind: but if you ask him to think about any of those forms, to consider if he cannot find any better in his own head, he stops; his execution becomes hesitating; he thinks, and ten to one he thinks wrong; ten to one he makes a mistake in the first touch he gives to his work as a thinking being."

(Ruskin, 1853/2009, p. 161)

For Ruskin, thought is not only the process by which we make mistakes in work, it is also the process which makes us human. Consequently, he argues that a loss of productivity from less specialised labour organisation is justified because when you give a worker the freedom to think, you make "*a man of him ... He was only a machine before, an animated tool*" (p. 161).

Morris's interpretation of Ruskin was that work would be good when

made so creative that it became art (Kinna, 2010). In the preface to an 1892 reprint of Ruskin's *The Nature of Gothic*, Morris (1892) wrote: "*the lesson which Ruskin here teaches us is that art is the expression of man's pleasure in labour*". In his own writing, Morris argues that 'art' is not restricted to "pictures, statues, and so forth, but has been and should be a part of all labour in some form or other" (Morris, 1888). In *News from Nowhere*, Morris realises this ideal: in Nowhere, there is no longer a word for art "*because it has become a necessary part of the labour of every man who produces*" (Morris, 1890b).

To enable the condition of art as work in Nowhere, Morris limits the division of labour. Residents of Nowhere are artisans who move between occupations as they please (Kinna, 2000). Early in *News from Nowhere*, we are introduced to this idea through Bob "*a weaver from Yorkshire, who has rather overdone himself between his weaving and his mathematics*" because both are "*indoor work*" (Morris, 1890b). Consequently, Bob has decided to spend time working as ferryman: outdoor work. But despite having the freedom to practice multiple occupations, the residents of Nowhere are not self-sufficient and there is still a substantial division of labour. Bob cannot survive on rowing, weaving, and mathematics alone: some people are engaged in cooking, cleaning and growing food. Consequently, Morris is not describing a complete removal of the division of labour. Rather he is advocating what he sees as the ideal level of the division of labour, closely modelled on his view of medieval artisans (Breton, 2002). This limits the division of labour to a level which allows substantial variety and creativity in work.

3.2. Over-production and over-work

It is worth comparing Morris's views on the division of labour with those of Adam Smith. Though Smith had reservations about its social effects, he believed that the division of labour was necessary to increase material wealth. Book I of the *Wealth of Nations* is largely concerned with the benefits of the division of labour for economic growth. In the opening lines Smith (1776)⁵ argues that "*the greatest improvement in the productive powers of labour ... seem to have been the effects of the division of labour*". The fundamental difference between Morris and Smith is that where the latter sees a need for increased levels of production Morris believes that 19th Century England is over-producing.

In much of Morris's writing he is railing against the wastefulness of an emergent consumer capitalism. Consumer capitalism is an economic system that seeks growth and profits by attempting to subsume all other wants into the desire for new and immediate pleasures that lack wider social value (Fisher, 2009; Jackson, 2017). We see these themes in Morris's writing. For example, Morris thought that the profit motive had led to most production being socially useless (Kinna, 2000). Speaking to Leicester Secular Society in 1884, Morris argued that in order to get and maintain profits, capitalists must sell a "*mountain of rubbish...things which everybody knows are of no use*". In order to create demand for these useless goods, capitalists stirred up:

"*a strange feverish desire for petty excitement, the outward token of which is known by the conventional name of fashion—a strange monster born of the vacancy of the lives of rich people*".

(Morris, 1884a)

By contrast, in Nowhere, nobody makes goods "*on the chance of their being wanted; for there is no longer any one who can be compelled to buy them. ... Nothing can be made except for genuine use*" (Morris, 1890b). Morris never uses the term, but his description of a production system driven by the consumption of novel goods in a vain attempt to foster personal wellbeing parallels modern understandings of consumer capitalism.

⁴ We are using the versions of Morris's writings made freely available by the Marxists Internet Archive. They do not have page numbers.

3.3. How Morris limits the division of labour

To understand how Morris limits the division of labour in *News from Nowhere*, it is useful to look at his historical analysis of the transition from feudal society to industrial capitalism. In large part, Morris's analysis falls under 'traditional commercialisation' accounts, where the transition from feudalism to capitalism is the result of the expansion of market forces (Wood, 2002). For example, Morris (1890b) argues that in the early Medieval period "*Capitalism does not exist*", because "*there is no great all-embracing world-market; production is for the supply of the neighbourhood, and only the surplus of it ever goes a dozen miles from the door of the worker*". This changes with the rise of a "*commercialism*" and a turn to "*foreign commerce*" (Morris and Hyndman, 1884; Morris, 1890a). Morris argues that the quest for profit and the rapid expansion of overseas markets was a key driver of the privatisation of commonly held land. As markets expanded, "*the landed nobility... so got hold of the lands and used their produce, not for the livelihood of themselves and their retainers, but for profit*" (Morris, 1890a). For Morris, this rapid expansion of markets and the giving over of land to the production of goods for profit was the key to the rise of industrial capitalism and the extreme division of labour.

Specifically, Morris believed that market expansion led to the breakdown of the artisan guilds, and it was this breakdown that enabled a greater division of labour. On the one hand, the displacement of peasants from their land meant that "*the towns were flooded by crowds of the new free labourers*" (Morris, 1890a) who would provide the larger workforce required to split production into smaller, more specialised stages. Simultaneously, Morris argued that the rapid expansion of the world market required an increase in production levels, which meant a "*wider organisation of labour was needed, and, therefore, ... a more and more regulated division of labour, supplanted the old handicraft*." (Morris and Hyndman, 1884). For Morris, these processes were complete and a global market established by the 18th century.

The key consequence of the transition to a global capitalist system for Morris was that it established labour as a resource. This is outlined through Hammond in *News from Nowhere*, who says that under the World-Market:

"it became impossible ... to look upon labour and its results from any other point of view than one - to wit, the ceaseless endeavour to expend the least possible amount of labour on any article made."

(Morris, 1890b)

For Morris, this is the final and most fundamental consequence of the expansion of markets: the re-conceptualisation of labour into a form of economic capital to be squeezed through the extreme division of labour. This historical analysis frames the solutions that Morris proposes in *News from Nowhere*.

In order to limit the division of labour in *Nowhere*, Morris scales back of the geographical scope of production, and removes market exchange altogether. Hammond tells Guest:

"men make for their neighbours' use as if they were making for themselves, not for a vague market of which they know nothing; and over which they have no control... [and] there is no buying and selling"

(Morris, 1890b)

In short, having identified the expansion of markets as the ultimate degrader of working conditions, Morris does away with them altogether in *News from Nowhere*. Under Morris's historical analysis, there can be no profit if there is no exchange, and there is no need to gain productivity if there is no pressure to supply an expanding world market. So, by getting rid of these mechanisms, Morris removes what he sees as the key drivers of the extreme division of labour. In doing so he attempts to create the conditions under which work can become art, and useless production disappears.

4. The post-growth utopia: let's be less productive⁶

Our vision of a post-growth utopia is one with more work, not less. We see a post-growth future as being more dependent on a greater quantity of human labour in order to function. Reducing the energy and material throughput of society and living more satisfying and meaningful lives requires us to work more but differently. Inspired by the visions of work we find in both Morris and some interpretations of Cokayne we believe that a world with more but better work can not only be utopian in the best sense of the word but can provide a platform from which to agitate for a post-growth society.

The key to creating a post-growth utopia lies in addressing the issue of labour productivity growth. Labour productivity growth is implicated in the violation of biophysical limits, the degradation of work, the generation of inequality, and the devaluing of reproductive work. Tackling labour productivity growth enables us to transition to a world of less environmental damage, and stronger social bonds.

4.1. In a post-growth economy, productivity growth must fall

Labour productivity growth is an endogenous dynamic of fossil-capitalism. Labour productivity growth has historically had a symbiotic relationship with capitalist markets and fossil-energy. Economic histories locate the transition to fossil fuels as a key dynamic in the transition from a low productivity to a high productivity economy. The low labour productivity period is characterised by the use of wood and water, the high labour productivity period by fossil fuels (Wrigley, 2016; Malm, 2016). Fossil fuels were a dense energy store that greatly improved the productivity of other economic processes (Hall and Klitgaard, 2012; Smil, 2017). But fossil fuels alone are not enough to drive growth. China had widespread coal use in its economy at the time the industrial revolution started in Britain. However, Britain's labour productivity and growth rapidly expanded in the 1700's while China's remained steady (Broadberry et al., 2018).

The explanation for this is in the difference of the social structures of Britain and China at the time. Coal in China:

"did not create new social needs, did not constantly push the borders of its own market outwards...proto-industrialisation and economic growth were remarkable achievements but failed to generate an accelerated division of labour."

(Debeir et al., 1991)

On the other hand, in Britain, the consolidation of a new set of social relations meant that the energy of fossil fuels was used to create new markets and restructure the organisation of labour to make it more productive. This can be interpreted in Marxian terms as fossil fuels being used as a tool of social control by the capitalist class (Malm, 2016), or in liberal terms as the result of new institutions and cultural attitudes that afforded social status to entrepreneurs (McCloskey, 2010). Either way, labour productivity growth has historically been bound up with both the use of highly dense energy sources, and the dynamics of capitalist markets.

Because of the way that productivity growth emerges from fossil-capitalism, it is hard to disentangle productivity growth from the overproduction that drives ecological crises. The endogenous view of productivity growth that we propose here suggests that productivity growth emerges from the same dynamics that drive endless economic expansion. This is not to say that labour productivity growth is a necessary consequence of economic growth. Rather, the dynamics that enable economic growth are a necessary (but not sufficient) pre-condition for labour productivity growth.

⁶ The subtitle for this section was taken from an article in the New York Times: <https://www.nytimes.com/2012/05/27/opinion/sunday/lets-be-less-productive.html>

Both work sharing and reduced productivity proposals threaten to disrupt key dynamics of capitalist economies in ways that may also act to prevent future productivity growth. Both cases seek greater redistribution of surplus and less production. This will reduce profits. Capitalist markets are competitive environments which encourage producers to re-invest their profits in ways that reduce their costs and increase their sales. This is necessary for survival on the micro-level – firms have to be profitable to survive. A corollary of this is that productivity gains are necessary for the survival of the macro-economy as we know it. Firms without profits eventually stop investing, triggering economic collapse (Gordon and Rosenthal, 2003; Binswanger, 2009). This story sees productivity growth as emerging from the concentration of wealth and in the pursuit of over production. Consequently, even those work sharing proposals that do not see a need for productivity growth reductions (e.g. Schor, 2015) may end up leading to declining or stagnating productivity growth. But this is not the only reason to focus on productivity dynamics. We also face another, more bio-physical, threat to productivity growth.

Fossil-capitalism has been able to generate enormous productivity growth because fossil fuels have high energy return on energy invested (EROI). EROI is a measure of energy quality. It is a ratio of energy outputs to energy inputs. Fossil fuels have been able to drive productivity growth because we have to invest relatively few resources to get large amounts of energy out of them.

We may be entering an era in which the quality of available energy sources is declining. Though the science is not yet settled, we appear to be on the edge of a precipitous decline in EROI values (Rye and Jackson, 2018; Brockway et al., 2019). Estimates suggest EROI has been declining over time as energy production shifts to more unconventional sources (Hall et al., 2014; Jackson, 2019). Renewables are also thought to have low EROI, especially when issues such as intermittency are addressed (Victor and Sers, 2019). It is possible that in the near future EROI could reach such low levels that the energy sector effectively ‘cannibalises’ other sectors (Sers and Victor, 2018). That is, it is possible that EROI could fall so low that in order to maintain the levels of energy use we see today, we have to put so much energy and other economic resources into energy generation that the resources available to be used in other economic activities will be severely reduced. If this happens, a reduction in overall productivity levels is likely to be forced upon us (Elkomy et al., 2019).

Whether we run up against physical limits, or we successfully transform our societies such that they are more equal and no longer built around chasing output growth, we are likely to continue to face falling productivity growth. In either case, we must be prepared to work more. Can this be a utopian vision?

4.2. Free from the threat of hunger: working more, but working better

Both Cokayne and *News from Nowhere* offer inspiration as to how working more could be utopian. Specifically, both can be read in such a way as to see them as being about the social conditions around work rather than work itself.

The key dynamic that could make work utopian is the removal of coercive forces. We see this in both Cokayne and *News from Nowhere*. In both utopias, no-one can be forced to work because they have access to everything they need. Cokayne achieves this with recourse to the supernatural, breaking the link between labour and consumption altogether. Though unrealistic, this serves an important lesson drawing our attention to the freedom that comes with material security. *News from Nowhere* achieves the same freedom but in a more promising way. In *News from Nowhere*, there is still a link between work and consumption – but this link is at the societal rather than the individual level. In *News from Nowhere*, each worker produces not to secure their own material conditions, but instead as part of a collective effort to construct a society capable of providing for all its inhabitants. On the surface, Cokayne and *News From Nowhere* are very different. But they share at

least one key attribute: those who do not work, do not sacrifice their ability to meet their material needs.

By removing the threat of material loss from any individual worker if they do not work, we weaken the coercive powers that force people into work. This is why some feminist and other radical scholars have called for a universal basic income (e.g. Weeks, 2011; Srnicek and Williams, 2015). They argue that a universal basic income hands power to workers by allowing them to refuse work they do not want to do. For this reason, a universal basic income has been characterised as a ‘utopian demand’, capable of destabilising the capitalism (Weeks, 2011). This comes about because a genuinely universal basic income creates the security for individuals to refuse work.

Removing the coercive forces that push people into work will benefit individuals and society as a whole. Without having to fear losing our access to material goods, we will be free to refuse work with conditions that we do not like. We will be free to demand better working conditions and to form new ways of working. At the societal level, removing coercion will also help put a stop to the over production that threatens to take us beyond biophysical limits.

A lack of coercion creates the conditions under which we are free to refuse work that serves no social purpose. People working in jobs they believe to be socially useless often express unhappiness and a desire to work more usefully (Graeber, 2018). Conversely, people working in undeniably useful jobs – such as nursing – often put up with very low material reward and unpleasant working conditions. This is because they are primarily motivated by the knowledge that they are performing a socially useful task (Folbre and Smith, 2017). Unfortunately many of these people are eventually forced out of such jobs by their material conditions (Morgan et al., 2013). This suggests that if people are free to choose, they are likely to choose work they believe is socially useful. Moreover, it suggests that people will choose this work even if that it is commonly believed to be challenging, difficult or simply unenjoyable (as is often the case with care work).

Much work in modern Western society is something we are coerced into doing in order to secure our individual material conditions. Removing coercive forces enables workers to safely and securely refuse work, creating the conditions for a radical reimaging of work as something done out of a desire to contribute to the social good.

4.3. Challenging productivity, challenging the master subject of capitalism

So far we have discussed the removal of coercion via a separation between work and consumption at the level of the individual. This is effectively the removal of the coercion associated with markets. However, not all forms of coercion are purely market based. The gendered nature of work is largely ignored in both the utopias we have discussed. Both lack substantive discussion of reproductive work: care work and housework. This work is not free from coercion simply because it resists market reasoning (Weeks, 2011; Dengler and Strunk, 2017). Non-market work also emerges from a history of violent coercion (Federici, 2014). While not purely market driven, however, the market and productivity are implicated in these other forms of coercion.

Feminism offers us an analytical framework with which to understand the interlinked nature of coercion in market work, coercion in non-market work, and the origin of environmental crises. Using a feminist framework we can locate productivity as a part of the oppressive force of growth based capitalism, and outline the ways it is implicated in patriarchal as well as capitalist forces of oppression.

One key idea for thinking through the implications of labour productivity is the ‘master subject’ of capitalism. Introduced by Hartstock (1990) and Haraway (1991), and elaborated by Plumwood (1993a, 1993b) the master subject of capitalism is a logic of domination that sits at the heart of capitalism. One of the reasons it is so difficult to escape capitalist structures in our thinking is because our thinking has been colonised by the ways of knowing that gave us capitalism (Ruder and

Sanniti, 2019). This domination of our thought is 'the master subject of capitalism' and it confines our ways of knowing to a limited and specific form, while presenting itself as objective and universal (Haraway, 1991).

The perspective of the master subject relies on a logic system based on false dualities (Plumwood, 1993b). The core duality is the association of 'reason' and 'rationality' with the master subject (who is human, masculine, white and western), while nature, animality and emotion are associated with the other (who is inhuman, feminine, of colour, and non-western). In this way, Plumwood argues, nature and the feminine are bound up together and seen as less valuable, less than human. While there are many aspects to this dualism, here we focus on production vs. reproduction, a key feature of the concept of labour productivity.

The master subject of capitalism privileges certain forms of work and production while backgrounding and delegitimising others. The transition to capitalism, as Morris recognised, is marked by production for the market, rather than for use (Wood, 2002). In this way, capitalist production separates work for 'production' from work for 'reproduction'. This separation is unique to capitalism (Federici, 2014). The separation of productive and reproductive work enables a distinction to be made between market work which is termed 'valuable' and work carried out by nature and in the household which is not considered valuable. The feminization of nature is older than capitalism. For example, in Ancient Greek mythology, the earth is feminised as a 'mother' and the heavens masculinised as a 'father' (Hamilton, 1942). But it is under capitalism that 'feminine' reproductive work becomes effectively valueless.

Federici (2014) provides the relevant historical context for this framing, arguing that the development of capitalism required not only the division of labour in terms of work-tasks, but also in terms of gender. Prior to the complete takeover of market-based production, Federici argues that work for production and work for reproduction were not understood as separate and the work itself was not gendered. Rather, as all work was in aid of supporting the household, it was participated in by both men and women. In addition, although gendered discrimination did take place, women's dependence on men was limited by the fact that they had access to resources held in common – principally land. Capitalist social relations developed by excluding women from waged work. Federici sees land enclosures as a relatively minor part of the development of capitalism and is critical of theories that place large emphasis on them. However, she does note that land enclosures meant the loss of non-market subsistence for women. Many men lost access to land, but they gained access to the women who were now dependent on them. As a result: "women themselves became the commons, as their work was defined as a natural resource, laying outside the sphere of market relations" (Federici, 2014, p. 97).

The systematic devaluation of feminised non-market work is found throughout the history of labour productivity. Histories of productivity often refer to Adam Smith's notion of productive and unproductive labour (Bleischwitz, 2001; Abbott, 2018). While Smith (1776) does not explicitly deal in gendered terms he is clear that 'productive' labour is that which directly supports the accumulation of wealth – either by producing material goods or by producing goods that can be sold. On the other hand, unproductive labour is that which supports maintenance of the household – reproductive labour (Blaug, 1990). As Smith writes in the opening lines of Book 2 Chapter 3 of *The Wealth of Nations*:

"The labour of a manufacturer adds, generally, to the value of the materials which he works upon, that of his own maintenance, and of his master's profit. The labour of a menial servant, on the contrary, adds to the value of nothing."

This way of thinking remains codified in the national accounts today, which exclude inputs to production from nature and the household (Waring, 1988; European Comission et al., 2008; Saunders and Dalziel, 2017). Labour productivity (conventionally measured as market output divided by hours worked in the labour market) is

intimately linked to the dominating logics of capitalism.

By challenging the value of labour productivity, we therefore challenge a powerful part of the master subject of capitalism. Power (2004) argues that the proper starting point for economic analysis should be as a system of social provisioning: the way in which societies organise to meet their collective needs. Similarly, Weeks (2011) argues that we must reclaim the economy by directing it away from generating profit to generating the conditions to support life. From these perspectives, what matters is not how much market value is created for how little resources, but how well society is able to care for all its inhabitants. This stands in stark opposition to the working of modern labour productivity chasing economies, where people are forced to work jobs they believe to be useless, or to leave jobs they believe to be useful because of a need to access the market to maintain their livelihoods (Druckman and Mair, 2019). We have already argued that the removal of coercion may lead to more care work being done, because this work is socially useful. Note that care work resists the market mentality, more often than not being the preserve of the public and charitable sector. Note also that care is a profession that requires emotional as well as 'rational' intelligence (Druckman and Mair, 2019). In these ways, the removal of coercion challenges the master subject by challenging productivity.

4.4. Work without coercion may be less productive

Removing the threat of coercion may reduce labour productivity growth. Though it originally came from the abstract notion of the production of 'value', productivity has become synonymous with the production of *market* value (Foster, 2016; Abbott, 2018). A useful post-growth project may be to reject the current notion of productivity, arguing instead that we should care about life rather than exchange value. The proliferation of 'bullshit jobs' suggests that socially useful work will not coincide with market work (Graeber, 2018). At the very least, the experience of the health and care sectors suggests socially useful work is unlikely to coincide with the most profitable forms of market work (Druckman and Mair, 2019). A reduction in market activity could drive a reduction in labour productivity growth.

Moreover, improvements in working conditions may also reduce productivity growth. Economists have believed since Adam Smith that measures that improve productivity can have negative impacts on workers. Although he believed it necessary to increase material production, Smith (1776) himself thought that highly specialised labour would degrade our capacities for moral and mental reasoning. And, as we have seen, Morris and Ruskin believed specialised work to be dehumanising. Modern sociological accounts of work argue that autonomy is key to good work – the ability to have control over what and how we do our work (Hesmondhalgh and Baker, 2011). Specialisation and the division of labour limit this. Consequently, it is unlikely that free people would consent to work in highly specialised roles and thus would be less productive.

Finally, as a strategy that challenges the master subject of capitalism, freeing workers from coercion is a challenge to the very idea of productivity. The modern notion of productivity is hard to understand outside a market context. The frameworks we use for measuring productivity do not work in non-market contexts (Diewert, 2018). What may develop in its place is unclear. But it is unlikely to follow the dynamics we see today.

4.5. Towards an ecological utopia?

Removing coercive forces and overthrowing the productivity drive leaves us with questions not adequately answered by Cokayne, or *News from Nowhere*. Namely, how do we decide what to produce, how it should be produced, and how do we get there?

These questions return us to old debates around socialist calculation, but with new elements introduced by the frame of environmental

limits. The socialist calculation debates revolve around the possibility of determining the collective economic needs in the absence of capitalist markets, and specific mechanisms for doing so. On the one hand, the fact that we have likely already crossed some planetary boundaries (Steffen et al., 2015) shows us the deep problems that come with leaving production decisions to markets. But this does not mean that we should endorse central planning. When the socialist calculation debate is occasionally revisited, it is sometimes noted that we now have much increased computing power with which to approach socialist calculation (e.g. Srnicek and Williams, 2015). This notion has also been explored in utopian fiction (e.g. Le Guin, 1974/1987). But while it may be possible to use algorithms to determine how many goods people want, acknowledging environmental limits to production provokes a more radical question. In this case, we must decide not only what to produce but when to stop. Environmental limits mean that we have to decide what not to produce. This is not a question that can legitimately be left to a machine. Rather, it requires debate and deliberation (O'Neill, 2002; Hammond, 2019). The question of what and how to produce are normative, not technical, questions.

The need for democratic apparatus in work is highlighted in feminist works. One example of this is Weeks's (2011) life centred economy. One of Weeks's primary concerns is that many forms of work happen outside the market economy. So it is not sufficient to get rid of the market and assume that a) the distribution problem will solve itself and b) that we will be free from compulsive forces. Rather we must construct new ways of working and being that are free from coercion. This raises the distributive question of how we as a society decide how much of our resources go into these new structures. Morris ducks this issue by assuming that in localised economies people's needs are immediate and obvious. It is not clear that this is actually the case, particularly when we consider an expanded understanding of work from the feminist perspectives of social provisioning or the reproduction of life.

In this context it is also useful to recognise that we are dealing with multiple intersecting systems of oppression. The forces that compel us into work are not only capitalist, they are also patriarchal. The discussion of feminist work in Section 4.3 highlights that the development of capitalist markets went hand in hand with the degradation of working and daily life for women. We must also be aware that many men actively participated in the degradation of life for women. This was partly as a way to retain their own power as it was diminished by the expansion of markets. Indeed in Federici's (2014) account of the development of capitalism this was the intended outcome: proto-capitalist states deflected antagonism between the classes into an antagonism between genders.

This has practical insights for how we organise a post-growth society. On the one hand we must seek to rebuild broad-based class support (Collard and Dempsey, 2018; Ruder and Samiti, 2019). This means recognising that growth-based capitalism seeks and maintains growth by creating differences within classes (Collard and Dempsey, 2018). Our response to this must be to build what Fraser (2019) calls 'progressive populism'. This requires building an inclusive politics that recognises power differentials within classes and couples this with a radically egalitarian economic vision. We must also be aware that if this vision threatens existing economic and social power structures, it will be actively opposed – as it has been since before the emergence of capitalism (Federici, 2014). Building this kind of broad-based support can be done by recognising that the drivers of both social and ecological challenges have shared roots.

Based on the above analysis we suggest that a post-growth movement centered on challenging the productivity growth dynamics would be well positioned to build such a broad base of support. Labour productivity growth has its roots in capitalist practices that degrade work, the environment and gender equality. It therefore offers us a new front on which to struggle and begin to build broad based class solidarity.

Work in a post-growth utopia should combine an understanding of work as a means of social provisioning with the view that the economy

must be materially restricted. This allows us to build away from a system of labour productivity growth predicated on capitalist and patriarchal oppression and towards a life centred economy built on a democratic basis. In a life centred economy, work becomes something we do to create meaning (as in Morris) but also something we do to produce collective goods and collective freedoms (as in Weeks). In this way we can understand the problem of the economy not as a calculable question of how we produce the things we want, but as a normative question of what we want to produce and how we want to do it. In this view the utopian demand is for an economy in which we can all negotiate a meaningful life.

5. Conclusion

In this paper we have explored utopian ideas of work, using an analysis of depictions of work in the Cokaygne tradition and in *News from Nowhere*. Cokaygne is a fanciful land where labour has been taken out of the production process: so no-one ever works. But whether this is a utopian or a dystopian lesson is disputed. For those who see Cokaygne as a moral lesson its imagery is a caricature of consumption and reveals the emptiness of a life without work. On the other hand, the utopian interpretation of Cokaygne points to the hardships endured by the presumed audiences of Cokaygne. Utopian readers suggest that what was intended as a moral lesson could look like a utopian dream to overworked and poverty stricken peasants. Some interpretations of Cokaygne go further, taking Cokaygne out of the realm of fantasy by grounding it in a critique of economic inequality. This perspective views Cokaygne as the ultimate land of redistribution – a land where everyone lives like the 1%.

News from Nowhere differs from Cokaygne in that it sees work as the proper route to fulfillment. Morris, following Ruskin, argued that work could be meaningful and creative, and *News from Nowhere* is his attempt to set out a society in which work fulfills these roles. However, *News from Nowhere* and the utopian reading of Cokaygne are not entirely at odds. Both recognise that in the real world, work can be painful. Where they differ is in their solutions to this problem. Morris understands that although there is pain in work, work is also valuable in personal and social terms. Consequently he focuses his utopia on transforming work into something good.

Drawing inspiration from Cokaygne and *News from Nowhere* we sketched the outline of work in a post-growth utopia. The key to this vision is that we work more rather than less, but we work less productively. We argued that this was necessary for both biophysical reasons, and because all proposals for work in post-growth economies are likely to reduce productivity growth. However, Cokaygne and *News from Nowhere* both share dynamics that enable us to see how more work could be made utopian. In both utopias, a key coercive element is removed. People can no longer be forced to work because their individual consumption is not dependent on their individual production.

Removing coercion, such as through something like a universal basic income, is likely to reduce productivity growth. As a result, it could contribute to ending over production, improve working conditions, challenging the master subject of capitalism and the patriarchy. We pointed to evidence suggesting that workers desire socially useful jobs but remain locked in jobs that do not fulfil this criterion due to the threat of losing their livelihoods. We further argued that the concept of productivity is implicated in Plumwood's (1993b) master subject of capitalism: it is bound up in the human-nature duality by its adherence to 'production' over 'reproduction'. Removing the coercive forces that push workers into market work challenges this story. Moreover, by giving workers the ability to refuse work that is useless or in bad conditions, removing coercive forces is likely to undermine productivity and the very idea of productivity itself. In these ways working more comes to be seen as part of a project for a better, more equal world with an economy more in line with the feminist notion of social provisioning. However, achieving this means engaging with questions left open by

the utopian literature around how we as a society decide how to produce the means of daily life.

Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Acknowledgements

This paper is the product of a collective process. Early versions were presented at the 12th conference for the European Society for Ecological Economics, and the 6th International Degrowth Conference. It was also discussed with members of the Centre for the Understanding of Prosperity and owes a particular debt to Christine Corlett Walker, Ben Gallant, and Nicholas Taylor. We also received very useful and constructive comments from three anonymous referees. We would like to take this opportunity to thank everyone for their inputs. The work was supported by the Economic and Social Research Council funded Centre for the Understanding of Sustainable Prosperity, grant number ES/M010163/1 and the Economic and Social Research Council funded project Powering Productivity, grant number ES/S015124/1.

References

Abbott, M., 2018. Productivity: a history of its measurement. *History of Economic Thought and Policy* (1), 57–80.

Binswanger, M., 2009. Is there a growth imperative in capitalist economies? A circular flow perspective. *Journal of Post Keynesian Economics* 31 (4), 707–727.

Blaug, M., 1990. *Economic Theory in Retrospect*, 4th edn. Cambridge University Press, Great Britain.

Bleischwitz, R., 2001. Rethinking productivity: why has productivity focussed on labour instead of natural resources? *Environ. Resour. Econ.* 19 (1), 23–36.

Breton, R., 2002. WorkPerfect: William Morris and the gospel of work. *Utop. Stud.* 13 (1), 43–56.

Broadberry, S., Guan, H., Li, D., 2018. China, Europe, and the great divergence: a study in Historical National Accounting, 980–1850. *J. Econ. Hist.* 78 (4), 955–1000.

Brockway, P.E., Owen, A., Brand-Correa, L.I., Hardt, L., 2019. Estimation of global final stage energy return-on-investment for fossil fuels with comparison to renewable energy sources. *Nat. Energy* 4 (7), 612–621.

Collard, R., Dempsey, J., 2018. Accumulation by difference-making: an Anthropocene story starring witches. *Gend. Place Cult.* 29 (9), 1349–1364.

Davies, W., 2018. *Economic Science Fictions*. Goldsmiths Press, UK.

Debeir, J., Deleage, J. and Hemery, D. (1991) In the Servitude of Power: Energy and Civilization through the Ages. Translated by: Barzman, J. London: Zed Books.

Dengler, C., Strunk, B., 2017. The monetized economy versus care and the environment: degrowth perspectives on reconciling an antagonism. *Fem. Econ.* 24 (3), 160–183.

Diewert, E., 2018. Productivity measurement in the public sector. In: Griffell-Tatje, E., Lovell, C., Sickles, R. (Eds.), *The Oxford Handbook of Productivity Analysis*. Oxford University Press, New York, pp. 241–285.

Druckman, A., Mair, S., 2019. Wellbeing, Care and Robots —Prospects for good work in the health and social care sector, CUSP Working Paper No. 21. University of Surrey, Guildford Available at: <https://www.cusp.ac.uk/themes/s2/wellbeing-care-robots/>, Accessed date: 18 September 2019.

Elkomy, S., Mair, S., Jackson, T., 2019. Energy and productivity—a review of the literature. Available at: <https://www.cusp.ac.uk/themes/powering-productivity/>.

European Commission, IMF, OECD, UN and World Bank, 2008. System of National Accounts. Available at: <http://unstats.un.org/unsd/nationalaccount/docs/SNA2008.pdf> (Accessed: 17/11/2015).

Federici, S., 2014. *Caliban and the Witch: Women, the Body, and Primitive Accumulation*, 2nd edn. Autonomedia, USA.

Ferguson, P., 2016. Productivity growth as a barrier to a sustainability transition. *Environmental Innovation and Societal Transitions* 20, 86–88.

Fisher, M., 2009. *Capitalist Realism: Is there no Alternative?* Zero Books, pp. 80.

Folbre, N., Smith, K., 2017. The Wages of Care: Bargaining Power, Earnings, and Inequality. 4. Washington Center for Equitable Growth, Washington, DC, pp. 2017 Retrieved June.

Foster, K., 2016. Productivity and Prosperity: A Historical Sociology of Productivist Thought.

Foster, J.B., 2017. The Meaning of Work in a Sustainable Society: A Marxian View. CUSP Essay Series on the Ethics of Sustainable Prosperity CUSP No 3. (Accessed: 24/03 2017).

Fraser, N., 2019. *The Old Is Dying and the New Cannot Be Born*. Verso.

Gordon, M., Rosenthal, J., 2003. Capitalism's growth imperative. *Camb. J. Econ.* 27, 25–48.

Graeber, D., 2018. *Bullshit Jobs: A Theory*. Penguin Random House UK, pp. 333.

Gregory, M., 1998. Ethical criticism: what it is and why it matters. *Style* 32 (2), 194–220.

Hall, C., Klitgaard, K., 2012. *Energy and the Wealth of Nations: Understanding the Biophysical Economy*. Springer, New York.

Hall, C., Lambert, J., Balogh, S., 2014. EROI of different fuels and the implications for society. *Energy Policy* 64, 141–152.

Hamilton, E., 1942. *Mythology*. New American Library.

Hammond, M., 2019. A cultural account of ecological democracy. *Environmental Values* 28 (1), 55–74.

Haraway, D., 1991. *Simians, Cyborgs and Women: The Reinvention of Nature*. Taylor & Francis Group, Great Britain.

Hartstock, N., 1990. Foucault on power: A theory for women. In: Nicholson, L. (Ed.), *Feminism/Postmodernism*. Routledge, New York, pp. 157–175.

Hayden, A., 1999. *Sharing the Work, Sparing the Planet: Work Time, Consumption, & Ecology*. Zed Books, New York.

Hesmondhalgh, D., Baker, S., 2011. *Creative Labour: Media Work in Three Cultural Industries*. Routledge, Abingdon.

Hickel, J., Kallis, G., 2019. Is green growth possible? *New Political Economy* 1–18.

Ingebrigtsen, S., Jakobsen, O., 2012. Utopias and realism in ecological economics—knowledge, understanding and improvisation. *Ecol. Econ.* 84, 84–90.

Jackson, T., 2017. *Prosperity Without Growth: Foundations for the Economy of Tomorrow*, 2nd edn. Routledge, London and New York.

Jackson, T., 2019. The post-growth challenge: secular stagnation, inequality and the limits to growth. *Ecol. Econ.* 156, 236–246.

Jackson, T., Victor, P., 2011. Productivity and work in the 'green economy': some theoretical reflections and empirical tests. *Environmental Innovation and Societal Transitions* 1 (1), 101–108.

Jackson, T., Victor, P., 2019. Unravelling the claims for (and against) green growth. *Science* 366 (6486), 950–951.

Johns-Putra, A., 2016. "My job is to take care of you": climate change, humanity, and Cormac McCarthy's the road. *MFS Mod. Fict. Stud.* 62 (3), 519–540.

Kallis, G., 2017. Socialism without growth. In: *Capitalism Nature Socialism*, (In Press).

Kallis, G., March, H., 2015. Imaginaries of hope: the utopianism of degrowth. *Ann. Assoc. Am. Geogr.* 105 (2), 360–368.

Kendrick, C., 2004. *Utopia, Carnival, and Commonwealth in Renaissance*. University of Toronto Press, Canada, pp. 382.

Kinna, R., 2000. William Morris: art, work, and leisure. *Journal of the History of Ideas* 61 (3), 493–512.

Kinna, R., 2010. Morris, Watts, Wilde and the democratization of art. In: Parkins, W. (Ed.), *William Morris and the Art of Everyday Life*. Cambridge Scholars Publishing, Newcastle-upon-Tyne, pp. 87–108.

Kumar, K., 1991. *Utopia & Anti-Utopia in Modern Times*. Basil Blackwell.

Le Guin, U., 1974/1987. *The Dispossessed*. Collins, Glasgow, pp. 319.

Levitas, R., 1990. *The Concept of Utopia*. Phillip Allan, Great Britain.

Levitas, R., 2017. Where there is no vision, the people perish: a utopian ethic for a transformed future. Online: CUSP. Available at: <http://www.cusp.ac.uk/wp-content/uploads/05-Ruth-Levitas-Essay-online.pdf>.

Lochrie, K., 2016. *Nowhere in the Middle Ages*. University of Pennsylvania Press, Philadelphia, pp. 320.

Mair, S., 2019. *Climate Change and Capitalism: A Political Marxist View*. Online. New Socialist Available at: <https://newsocialist.org.uk/climate-capitalism-political-marxism/> (Accessed: 16/7 2019).

Malm, A., 2016. *Fossil Capital: The Rise of Steam Power and the Roots of Global Warming*. Verso, US.

Manuel, F.E., Manuel, F.P., 1979. *Utopian Thought in the Western World*. Basil Blackwell, Oxford.

Martinez-Alier, J., 1992. Ecological economics and concrete utopias. *Utop. Stud.* 3, 39–52.

McCloskey, D., 2010. *The Bourgeois Dignity: Why Economics Can't Explain the Modern World*. University of Chicago Press.

Milanovic, B., Lindert, P., Williamson, J., 2010. Pre-industrial inequality. *Econ. J.* 121, 255–272.

Miller, E., 2011. Sustainable socialism: William Morris on waste. *The Journal of Modern Craft* 4 (1), 7–26.

Millett, B., 2003. The land of Cockayne. Available at Wessex Parallel WebTexts: University of Southampton <http://www.southampton.ac.uk/~wpwt/trans/cockayne/coctrans.htm>.

Morgan, J.C., Dill, J., Kalleberg, A.L., 2013. The quality of healthcare jobs: can intrinsic rewards compensate for low extrinsic rewards? *Work Employ. Soc.* 27 (5), 802–822.

Morris, W., 1884a. Art and socialism. Available at: <https://www.marxists.org/archive/morris/works/1884/as/index.htm>.

Morris, W., 1884b. Useful work versus useless toil. Available at: www.marxists.org/archive/morris/works/1884/useful.htm.

Morris, W., 1888. The aims of art. Available at: <https://www.marxists.org/archive/morris/works/1888/signs/chapters/chapter5.htm>.

Morris, W., 1890a. Development of modern society. Available at: <https://www.marxists.org/archive/morris/works/1890/development.htm>.

Morris, W., 1890b. News from nowhere or an epoch of rest: being some chapters from a utopian romance. Available at: <https://www.marxists.org/archive/morris/works/1890/nowhere/index.htm> (Accessed: 05/12 2017).

Morris, W., 1892. Preface to the nature of gothic: a chapter of the stones of Venice. Available at: <https://www.marxists.org/archive/morris/works/1892/ruskin.htm>.

Morris, W., Hyndman, H., 1884. A summary of the principles of socialism. Available at: <https://www.marxists.org/archive/morris/works/1884/principles/index.htm>.

Morton, A., 1969. *The English Utopia*. Seven Seas Books, Berlin.

Nørgård, J.S., 2013. Happy degrowth through more amateur economy. *J. Clean. Prod.* 38 (0), 61–70.

O'Neill, J., 2002. Socialist calculation and environmental valuation: money, markets and ecology. *Science and Society* 66 (1), 137–151.

Parsons, B., 2015. Fantasy and fallacy in the Old French Cocaingne. *Viator* 46 (3), 173–193.

Pleij, H., 2001. Dreaming of Cockaigne. Translated by: Webb, D. Columbia University Press, USA, pp. 533.

Plumwood, V., 1993a. Environmental ethics and the master subject: a reply to Janis Birkeland. *Trumpeter* 13 (4), 193–196.

Plumwood, V., 1993b. Feminism and the Mastery of Nature. Routledge, London.

Power, M., 2004. Social provisioning as a starting point for feminist economics. *Fem. Econ.* 10 (3), 3–19.

Raulerson, G., 2011. The hobo in American musical culture. PhD. Online [Online] Available at University of Californiaa.

Raulerson, G., 2013. Hoboes, rubbish, and “the big rock candy mountain”. *Am. Music.* 31 (4), 420–449.

Robinson, K., 2016. Remarks on utopia in the age of climate change. *Utop. Stud.* 27 (1), 2–15.

Ruder, S., Sanniti, S., 2019. Transcending the learned ignorance of predatory ontologies: a research agenda for an ecofeminist-informed ecological economics. *Sustainability* 11 (5), 1479.

Ruskin, J., 1853/2009. The nature of gothic. In: The Stones of Venice. Project Gutenberg, pp. 151–230 Online.

Rye, C.D., Jackson, T., 2018. A review of EROEI-dynamics energy-transition models. *Energy Policy* 122, 260–272.

Sakai, M., Brockway, P., Barrett, J., Taylor, P., 2019. Thermodynamic efficiency gains and their role as a key ‘engine of economic growth. *Energies* 12 (1), 110.

Samuels, W., 2003. Utopian Economics. In: Samuels, W., Biddle, J., Davis, J. (Eds.), *A Companion to the History of Economic Thought*. Blackwell Publishing, UK, pp. 201–214.

Sargent, L., 2015. The American Cockaigne from the sixteenth century to the Shmoo and beyond. *Utop. Stud.* 26 (1), 19–40.

Saunders, C., Dalziel, P., 2017. Twenty-five years of counting for nothing: waring’s critique of national accounts. *Fem. Econ.* 23 (2), 200–218.

Schor, J., 2015. Work sharing. In: D’Alisa, G., Demaria, F., Kallis, G. (Eds.), *Degrowth a Vocabulary for a New Era*. Routledge, Abingdon and New York.

Sers, M., Victor, P., 2018. The energy-emissions trap. *Ecol. Econ.* 151, 10–21.

Slaughter, R., 2004. Futures beyond Dystopia: Creating Social Foresight. RoutledgeFalmer, USA and Canada.

Smil, V., 2017. *Energy and Civilization: A History*. MIT Press, USA.

Smith, A., 1776. An inquiry into the nature and causes of the wealth of nations. Available at Marxists Internet Archive.

Srnicek, N., Williams, A., 2015. *Inventing the Future: Postcapitalism and a World Without Work*. Verso, US.

Steffen, W., Richardson, K., Rockström, J., Cornell, S.E., Fetzer, I., Bennett, E.M., Biggs, R., Carpenter, S.R., De Vries, W., De Wit, C.A., Folke, C., 2015. Planetary boundaries: guiding human development on a changing planet. *Science* 347 (6223), 1259855.

Victor, P., 2012. Growth, degrowth and climate change: a scenario analysis. *Ecol. Econ.* 84, 206–212.

Victor, P.A., Sers, M., 2019. The limits to green growth. In: *Handbook on Green Growth*, pp. 30–51.

Waring, M., 1988. *If Women Counted: A New Feminist Economics*. Harper & Row San Francisco.

Weeks, K., 2011. *The Problem with Work: Feminism, Marxism, Antiwork Politics, and Postwork Imaginaries*. Duke University Press, Durham and London.

Wood, E., 2002. *The Origin of Capitalism: A Longer View*, 2nd edn. Great Britain, Verso, pp. 213.

Wrigley, E., 2016. *The Path to Sustained Growth: England’s Transition from an Organic Economy to an Industrial Revolution*. Cambridge University Press, United Kingdom.

Zwickla, K., Disslbachera, F., Stagla, S., 2016. Work-sharing for a sustainable economy. *Ecol. Econ.* 121, 246–253.