### 1AC – Framework

**Pleasure and pain are intrinsic value and disvalue**

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**Pleasure** is not only one of the three primary reward functions but it also **defines reward.** As homeostasis explains the functions of only a limited number of rewards, the principal reason why particular stimuli, objects, events, situations, and activities are rewarding may be due to pleasure. This applies first of all to sex and to the primary homeostatic rewards of food and liquid and extends to money, taste, beauty, social encounters and nonmaterial, internally set, and intrinsic rewards. Pleasure, as the primary effect of rewards, drives the prime reward functions of learning, approach behavior, and decision making and provides the **basis for hedonic theories** of reward function. We are attracted by most rewards and exert intense efforts to obtain them, just because they are enjoyable [10]. Pleasure is a passive reaction that derives from the experience or prediction of reward and may lead to a long-lasting state of happiness. The word happiness is difficult to define. In fact, just obtaining physical pleasure may not be enough. One key to happiness involves a network of good friends. However, it is not obvious how the higher forms of satisfaction and pleasure are related to an ice cream cone, or to your team winning a sporting event. Recent multidisciplinary research, using both humans and detailed invasive brain analysis of animals has discovered some critical ways that the brain processes pleasure [14]. Pleasure as a hallmark of reward is sufficient for defining a reward, but it may not be necessary. A reward may generate positive learning and approach behavior simply because it contains substances that are essential for body function. When we are hungry, we may eat bad and unpleasant meals. A monkey who receives hundreds of small drops of water every morning in the laboratory is unlikely to feel a rush of pleasure every time it gets the 0.1 ml. Nevertheless, with these precautions in mind, we may define any stimulus, object, event, activity, or situation that has the potential to produce pleasure as a reward. In the context of reward deficiency or for disorders of addiction, homeostasis pursues pharmacological treatments: drugs to treat drug addiction, obesity, and other compulsive behaviors. The theory of allostasis suggests broader approaches - such as re-expanding the range of possible pleasures and providing opportunities to expend effort in their pursuit. [15]. It is noteworthy, the first animal studies eliciting approach behavior by electrical brain stimulation interpreted their findings as a discovery of the brain’s pleasure centers [16] which were later partly associated with midbrain dopamine neurons [17–19] despite the notorious difficulties of identifying emotions in animals. Evolutionary theories of pleasure: The love connection BO:D Charles Darwin and other biological scientists that have examined the biological evolution and its basic principles found various mechanisms that steer behavior and biological development. Besides their theory on natural selection, it was particularly the sexual selection process that gained significance in the latter context over the last century, especially when it comes to the question of what makes us “what we are,” i.e., human. However, the capacity to sexually select and evolve is not at all a human accomplishment alone or a sign of our uniqueness; yet, we humans, as it seems, are ingenious in fooling ourselves and others–when we are in love or desperately search for it. It is well established that modern biological theory conjectures that **organisms are** the **result of evolutionary competition.** In fact, Richard Dawkins stresses gene survival and propagation as the basic mechanism of life [20]. Only genes that lead to the fittest phenotype will make it. It is noteworthy that the phenotype is selected based on behavior that maximizes gene propagation. To do so, the phenotype must survive and generate offspring, and be better at it than its competitors. Thus, the ultimate, distal function of rewards is to increase evolutionary fitness by ensuring the survival of the organism and reproduction. It is agreed that learning, approach, economic decisions, and positive emotions are the proximal functions through which phenotypes obtain other necessary nutrients for survival, mating, and care for offspring. Behavioral reward functions have evolved to help individuals to survive and propagate their genes. Apparently, people need to live well and long enough to reproduce. Most would agree that homo-sapiens do so by ingesting the substances that make their bodies function properly. For this reason, foods and drinks are rewards. Additional rewards, including those used for economic exchanges, ensure sufficient palatable food and drink supply. Mating and gene propagation is supported by powerful sexual attraction. Additional properties, like body form, augment the chance to mate and nourish and defend offspring and are therefore also rewards. Care for offspring until they can reproduce themselves helps gene propagation and is rewarding; otherwise, many believe mating is useless. According to David E Comings, as any small edge will ultimately result in evolutionary advantage [21], additional reward mechanisms like novelty seeking and exploration widen the spectrum of available rewards and thus enhance the chance for survival, reproduction, and ultimate gene propagation. These functions may help us to obtain the benefits of distant rewards that are determined by our own interests and not immediately available in the environment. Thus the distal reward function in gene propagation and evolutionary fitness defines the proximal reward functions that we see in everyday behavior. That is why foods, drinks, mates, and offspring are rewarding. There have been theories linking pleasure as a required component of health benefits salutogenesis, (salugenesis). In essence, under these terms, pleasure is described as a state or feeling of happiness and satisfaction resulting from an experience that one enjoys. Regarding pleasure, it is a double-edged sword, on the one hand, it promotes positive feelings (like mindfulness) and even better cognition, possibly through the release of dopamine [22]. But on the other hand, pleasure simultaneously encourages addiction and other negative behaviors, i.e., motivational toxicity. It is a complex neurobiological phenomenon, relying on reward circuitry or limbic activity. It is important to realize that through the “Brain Reward Cascade” (BRC) endorphin and endogenous morphinergic mechanisms may play a role [23]. While natural rewards are essential for survival and appetitive motivation leading to beneficial biological behaviors like eating, sex, and reproduction, crucial social interactions seem to further facilitate the positive effects exerted by pleasurable experiences. Indeed, experimentation with addictive drugs is capable of directly acting on reward pathways and causing deterioration of these systems promoting hypodopaminergia [24]. Most would agree that pleasurable activities can stimulate personal growth and may help to induce healthy behavioral changes, including stress management [25]. The work of Esch and Stefano [26] concerning the link between compassion and love implicate the brain reward system, and pleasure induction suggests that social contact in general, i.e., love, attachment, and compassion, can be highly effective in stress reduction, survival, and overall health. Understanding the role of neurotransmission and pleasurable states both positive and negative have been adequately studied over many decades [26–37], but comparative anatomical and neurobiological function between animals and homo sapiens appear to be required and seem to be in an infancy stage. Finding happiness is different between apes and humans As stated earlier in this expert opinion one key to happiness involves a network of good friends [38]. However, it is not entirely clear exactly how the higher forms of satisfaction and pleasure are related to a sugar rush, winning a sports event or even sky diving, all of which augment dopamine release at the reward brain site. Recent multidisciplinary research, using both humans and detailed invasive brain analysis of animals has discovered some critical ways that the brain processes pleasure. Remarkably, there are pathways for ordinary liking and pleasure, which are limited in scope as described above in this commentary. However, there are **many brain regions**, often termed hot and cold spots, that significantly **modulate** (increase or decrease) our **pleasure or** even **produce the opposite** of pleasure— that is disgust and fear [39]. One specific region of the nucleus accumbens is organized like a computer keyboard, with particular stimulus triggers in rows— producing an increase and decrease of pleasure and disgust. Moreover, the cortex has unique roles in the cognitive evaluation of our feelings of pleasure [40]. Importantly, the interplay of these multiple triggers and the higher brain centers in the prefrontal cortex are very intricate and are just being uncovered. Desire and reward centers It is surprising that many different sources of pleasure activate the same circuits between the mesocorticolimbic regions (Figure 1). Reward and desire are two aspects pleasure induction and have a very widespread, large circuit. Some part of this circuit distinguishes between desire and dread. The so-called pleasure circuitry called “REWARD” involves a well-known dopamine pathway in the mesolimbic system that can influence both pleasure and motivation. In simplest terms, the well-established mesolimbic system is a dopamine circuit for reward. It starts in the ventral tegmental area (VTA) of the midbrain and travels to the nucleus accumbens (Figure 2). It is the cornerstone target to all addictions. The VTA is encompassed with neurons using glutamate, GABA, and dopamine. The nucleus accumbens (NAc) is located within the ventral striatum and is divided into two sub-regions—the motor and limbic regions associated with its core and shell, respectively. The NAc has spiny neurons that receive dopamine from the VTA and glutamate (a dopamine driver) from the hippocampus, amygdala and medial prefrontal cortex. Subsequently, the NAc projects GABA signals to an area termed the ventral pallidum (VP). The region is a relay station in the limbic loop of the basal ganglia, critical for motivation, behavior, emotions and the “Feel Good” response. This defined system of the brain is involved in all addictions –substance, and non –substance related. In 1995, our laboratory coined the term “Reward Deficiency Syndrome” (RDS) to describe genetic and epigenetic induced hypodopaminergia in the “Brain Reward Cascade” that contribute to addiction and compulsive behaviors [3,6,41]. Furthermore, ordinary “liking” of something, or pure pleasure, is represented by small regions mainly in the limbic system (old reptilian part of the brain). These may be part of larger neural circuits. In Latin, hedus is the term for “sweet”; and in Greek, hodone is the term for “pleasure.” Thus, the word Hedonic is now referring to various subcomponents of pleasure: some associated with purely sensory and others with more complex emotions involving morals, aesthetics, and social interactions. The capacity to have pleasure is part of being healthy and may even extend life, especially if linked to optimism as a dopaminergic response [42]. Psychiatric illness often includes symptoms of an abnormal inability to experience pleasure, referred to as anhedonia. A negative feeling state is called dysphoria, which can consist of many emotions such as pain, depression, anxiety, fear, and disgust. Previously many scientists used animal research to uncover the complex mechanisms of pleasure, liking, motivation and even emotions like panic and fear, as discussed above [43]. However, as a significant amount of related research about the specific brain regions of pleasure/reward circuitry has been derived from invasive studies of animals, these cannot be directly compared with subjective states experienced by humans. In an attempt to resolve the controversy regarding the causal contributions of mesolimbic dopamine systems to reward, we have previously evaluated the three-main competing explanatory categories: “liking,” “learning,” and “wanting” [3]. That is, dopamine may mediate (a) liking: the hedonic impact of reward, (b) learning: learned predictions about rewarding effects, or (c) wanting: the pursuit of rewards by attributing incentive salience to reward-related stimuli [44]. We have evaluated these hypotheses, especially as they relate to the RDS, and we find that the incentive salience or “wanting” hypothesis of dopaminergic functioning is supported by a majority of the scientific evidence. Various neuroimaging studies have shown that anticipated behaviors such as sex and gaming, delicious foods and drugs of abuse all affect brain regions associated with reward networks, and may not be unidirectional. Drugs of abuse enhance dopamine signaling which sensitizes mesolimbic brain mechanisms that apparently evolved explicitly to attribute incentive salience to various rewards [45]. Addictive substances are voluntarily self-administered, and they enhance (directly or indirectly) dopaminergic synaptic function in the NAc. This activation of the brain reward networks (producing the ecstatic “high” that users seek). Although these circuits were initially thought to encode a set point of hedonic tone, it is now being considered to be far more complicated in function, also encoding attention, reward expectancy, disconfirmation of reward expectancy, and incentive motivation [46]. The argument about addiction as a disease may be confused with a predisposition to substance and nonsubstance rewards relative to the extreme effect of drugs of abuse on brain neurochemistry. The former sets up an individual to be at high risk through both genetic polymorphisms in reward genes as well as harmful epigenetic insult. Some Psychologists, even with all the data, still infer that addiction is not a disease [47]. Elevated stress levels, together with polymorphisms (genetic variations) of various dopaminergic genes and the genes related to other neurotransmitters (and their genetic variants), and may have an additive effect on vulnerability to various addictions [48]. In this regard, Vanyukov, et al. [48] suggested based on review that whereas the gateway hypothesis does not specify mechanistic connections between “stages,” and does not extend to the risks for addictions the concept of common liability to addictions may be more parsimonious. The latter theory is grounded in genetic theory and supported by data identifying common sources of variation in the risk for specific addictions (e.g., RDS). This commonality has identifiable neurobiological substrate and plausible evolutionary explanations. Over many years the controversy of dopamine involvement in especially “pleasure” has led to confusion concerning separating motivation from actual pleasure (wanting versus liking) [49]. We take the position that animal studies cannot provide real clinical information as described by self-reports in humans. As mentioned earlier and in the abstract, on November 23rd, 2017, evidence for our concerns was discovered [50] In essence, although nonhuman primate brains are similar to our own, the disparity between other primates and those of human cognitive abilities tells us that surface similarity is not the whole story. Sousa et al. [50] small case found various differentially expressed genes, to associate with pleasure related systems. Furthermore, the dopaminergic interneurons located in the human neocortex were absent from the neocortex of nonhuman African apes. Such differences in neuronal transcriptional programs may underlie a variety of neurodevelopmental disorders. In simpler terms, the system controls the production of dopamine, a chemical messenger that plays a significant role in pleasure and rewards. The senior author, Dr. Nenad Sestan from Yale, stated: “Humans have evolved a dopamine system that is different than the one in chimpanzees.” This may explain why the behavior of humans is so unique from that of non-human primates, even though our brains are so surprisingly similar, Sestan said: “It might also shed light on why people are vulnerable to mental disorders such as autism (possibly even addiction).” Remarkably, this research finding emerged from an extensive, multicenter collaboration to compare the brains across several species. These researchers examined 247 specimens of neural tissue from six humans, five chimpanzees, and five macaque monkeys. Moreover, these investigators analyzed which genes were turned on or off in 16 regions of the brain. While the differences among species were subtle, **there was** a **remarkable contrast in** the **neocortices**, specifically in an area of the brain that is much more developed in humans than in chimpanzees. In fact, these researchers found that a gene called tyrosine hydroxylase (TH) for the enzyme, responsible for the production of dopamine, was expressed in the neocortex of humans, but not chimpanzees. As discussed earlier, dopamine is best known for its essential role within the brain’s reward system; the very system that responds to everything from sex, to gambling, to food, and to addictive drugs. However, dopamine also assists in regulating emotional responses, memory, and movement. Notably, abnormal dopamine levels have been linked to disorders including Parkinson’s, schizophrenia and spectrum disorders such as autism and addiction or RDS. Nora Volkow, the director of NIDA, pointed out that one alluring possibility is that the neurotransmitter dopamine plays a substantial role in humans’ ability to pursue various rewards that are perhaps months or even years away in the future. This same idea has been suggested by Dr. Robert Sapolsky, a professor of biology and neurology at Stanford University. Dr. Sapolsky cited evidence that dopamine levels rise dramatically in humans when we anticipate potential rewards that are uncertain and even far off in our futures, such as retirement or even the possible alterlife. This may explain what often motivates people to work for things that have no apparent short-term benefit [51]. In similar work, Volkow and Bale [52] proposed a model in which dopamine can favor NOW processes through phasic signaling in reward circuits or LATER processes through tonic signaling in control circuits. Specifically, they suggest that through its modulation of the orbitofrontal cortex, which processes salience attribution, dopamine also enables shilting from NOW to LATER, while its modulation of the insula, which processes interoceptive information, influences the probability of selecting NOW versus LATER actions based on an individual’s physiological state. This hypothesis further supports the concept that disruptions along these circuits contribute to diverse pathologies, including obesity and addiction or RDS.

**Actor Spec— States must use util. Any other standard dooms the moral theory**

**Goodin 90.** Robert Goodin 90, [professor of philosophy at the Australian National University college of arts and social sciences], “The Utilitarian Response,” pgs 141-142 //RS

My larger argument turns on the proposition that there is something special about the situation of public officials that makes utilitarianism more probable for them than private individuals. Before proceeding with the large argument, I must therefore say what it is that makes it so special about public officials and their situations that make it both more necessary and more desirable for them to adopt a more credible form of utilitarianism. Consider, first, the argument from necessity. Public officials are obliged to make their choices under uncertainty, and uncertainty of a very special sort at that. All choices – public and private alike – are made under some degree of uncertainty, of course. But in the nature of things, private individuals will usually have more complete information on the peculiarities of their own circumstances and on the ramifications that alternative possible choices might have for them. Public officials, in contrast, are relatively poorly informed as to the effects that their choices will have on individuals, one by one. What they typically do know are generalities: averages and aggregates. They know what will happen most often to most people as a result of their various possible choices, but that is all. That is enough to allow public policy-makers to use the utilitarian calculus – assuming they want to use it at all – to choose general rules or conduct.

**Extinction comes first under any framework.**

**Pummer 15** [Theron, Junior Research Fellow in Philosophy at St. Anne's College, University of Oxford. “Moral Agreement on Saving the World” Practical Ethics, University of Oxford. May 18, 2015] AT

There appears to be lot of disagreement in moral philosophy. Whether these many apparent disagreements are deep and irresolvable, I believe there is at least one thing it is reasonable to agree on right now, whatever general moral view we adopt: that it is very important to reduce the risk that all intelligent beings on this planet are eliminated by an enormous catastrophe, such as a nuclear war. How we might in fact try to reduce such existential risks is discussed elsewhere. My claim here is only that we – whether we’re consequentialists, deontologists, or virtue ethicists – should all agree that we should try to save the world. According to consequentialism, we should maximize the good, where this is taken to be the goodness, from an impartial perspective, of outcomes. Clearly one thing that makes an outcome good is that the people in it are doing well. There is little disagreement here. If the happiness or well-being of possible future people is just as important as that of people who already exist, and if they would have good lives, it is not hard to see how reducing existential risk is easily the most important thing in the whole world. This is for the familiar reason that there are so many people who could exist in the future – there are trillions upon trillions… upon trillions. There are so many possible future people that reducing existential risk is arguably the most important thing in the world, even if the well-being of these possible people were given only 0.001% as much weight as that of existing people. Even on a wholly person-affecting view – according to which there’s nothing (apart from effects on existing people) to be said in favor of creating happy people – the case for reducing existential risk is very strong. As noted in this seminal paper, this case is strengthened by the fact that there’s a good chance that many existing people will, with the aid of life-extension technology, live very long and very high quality lives. You might think what I have just argued applies to consequentialists only. There is a tendency to assume that, if an argument appeals to consequentialist considerations (the goodness of outcomes), it is irrelevant to non-consequentialists. But ***that is a huge mistake.*** Non-consequentialism is the view that there’s more that determines rightness than the goodness of consequences or outcomes; ***it is not the view that the latter don’t matter***. Even John Rawls wrote, “All ethical doctrines worth our attention take consequences into account in judging rightness. One which did not would simply be irrational, crazy.” ***Minimally plausible versions of deontology and virtue ethics must be concerned in part with promoting the good***, from an impartial point of view. They’d thus imply very strong reasons to reduce existential risk, at least when this doesn’t significantly involve doing harm to others or damaging one’s character. What’s even more surprising, perhaps, is that even if our own good (or that of those near and dear to us) has much greater weight than goodness from the impartial “point of view of the universe,” indeed even if the latter is entirely morally irrelevant, we may nonetheless have very strong reasons to reduce existential risk. Even egoism, the view that each agent should maximize her own good, might imply strong reasons to reduce existential risk. It will depend, among other things, on what one’s own good consists in. If well-being consisted in pleasure only, it is somewhat harder to argue that egoism would imply strong reasons to reduce existential risk – perhaps we could argue that one would maximize her expected hedonic well-being by funding life extension technology or by having herself cryogenically frozen at the time of her bodily death as well as giving money to reduce existential risk (so that there is a world for her to live in!). I am not sure, however, how strong the reasons to do this would be. But views which imply that, if I don’t care about other people, I have no or very little reason to help them are not even minimally plausible views (in addition to hedonistic egoism, I here have in mind views that imply that one has no reason to perform an act unless one actually desires to do that act). To be minimally plausible, egoism will need to be paired with a more sophisticated account of well-being. To see this, it is enough to consider, as Plato did, the possibility of a ring of invisibility – suppose that, while wearing it, Ayn could derive some pleasure by helping the poor, but instead could derive just a bit more by severely harming them. Hedonistic egoism would absurdly imply she should do the latter. To avoid this implication, egoists would need to build something like the meaningfulness of a life into well-being, in some robust way, where this would to a significant extent be a function of other-regarding concerns (see chapter 12 of this classic intro to ethics). But once these elements are included, we can (roughly, as above) argue that this sort of egoism will imply strong reasons to reduce existential risk. Add to all of this Samuel Scheffler’s recent intriguing arguments (quick podcast version available here) that most of what makes our lives go well would be undermined if there were no future generations of intelligent persons. On his view, my life would contain vastly less well-being if (say) a year after my death the world came to an end. So obviously if Scheffler were right I’d have very strong reason to reduce existential risk. ***We should also take into account moral uncertainty.*** What is it reasonable for one to do, when one is uncertain not (only) about the empirical facts, but also about the moral facts? I’ve just argued that there’s agreement among minimally plausible ethical views that we have strong reason to reduce existential risk – not only consequentialists, but also deontologists, virtue ethicists, and sophisticated egoists should agree. But even those (hedonistic egoists) who disagree should have a significant level of confidence that they are mistaken, and that one of the above views is correct. Even if they were 90% sure that their view is the correct one (and 10% sure that one of these other ones is correct), they would have pretty strong reason, from the standpoint of moral uncertainty, to reduce existential risk. Perhaps most disturbingly still, even if we are only 1% sure that the well-being of possible future people matters, it is at least arguable that, from the standpoint of moral uncertainty, reducing existential risk is the most important thing in the world. Again, this is largely for the reason that there are so many people who could exist in the future – there are trillions upon trillions… upon trillions. (For more on this and other related issues, see this excellent dissertation). Of course, it is uncertain whether these untold trillions would, in general, have good lives. It’s possible they’ll be miserable. It is enough for my claim that there is moral agreement in the relevant sense if, at least given certain empirical claims about what future lives would most likely be like, ***all minimally plausible moral views would converge on the conclusion that we should try to save the world***. While there are some non-crazy views that place significantly greater moral weight on avoiding suffering than on promoting happiness, for reasons others have offered (and for independent reasons I won’t get into here unless requested to), they nonetheless seem to be fairly implausible views. And even if things did not go well for our ancestors, I am optimistic that they will overall go fantastically well for our descendants, if we allow them to. I suspect that most of us alive today – at least those of us not suffering from extreme illness or poverty – have lives that are well worth living, and that things will continue to improve. Derek Parfit, whose work has emphasized future generations as well as agreement in ethics, described our situation clearly and accurately: “We live during the hinge of history. Given the scientific and technological discoveries of the last two centuries, the world has never changed as fast. We shall soon have even greater powers to transform, not only our surroundings, but ourselves and our successors. If we act wisely in the next few centuries, humanity will survive its most dangerous and decisive period. Our descendants could, if necessary, go elsewhere, spreading through this galaxy…. Our descendants might, I believe, make the further future very good. But that good future may also depend in part on us. If our selfish recklessness ends human history, we would be acting very wrongly.” (From chapter 36 of On What Matters)

### 1AC – Advantage – Climate Change

#### Lack of a “*right to strike*” means the UK makes it near *impossible* for workers to climate strike.

Aspinall ’19 [Georgia, acting features editor at Grazia UK, formerly at The Debrief, “How Do You Strike For A Social Issue Without Getting In Trouble At Work?”, 09-02-2019, https://graziadaily.co.uk/life/in-the-news/how-to-strike-climate-crisis/]//pranav

But for many of us, striking for the climate crisis seems unthinkable. Not because it’s not a gravely important issue, but because we have no idea how to strike for a social issue. It’s complicated enough striking for industrial action (that is, when the majority of employees have a grievance with their employer) but to strike for something outside of that – many of us wouldn’t even know where to start without getting in trouble at work. Because, thanks to Margaret Thatcher, laws around strike action in the UK are extreme. According to Employment Law Watch, ‘there is no right to strike’ in the UK and calling one is ‘in principle unlawful as it amounts to inducing employees to breach their contracts of employment’. It is therefore described as a ‘privilege’, not a right. However, there are a bunch of rules strike action must follow to be legally immune. For industrial action, it must be about a trade dispute between the workers and employers, the result of a properly organised ballot and can only occur if the employer has been given detailed notice seven days prior. Typically, this means strikes are organised by trade unions that actually understand all of the rules that must be followed for a strike to be legal. But, non-union members have the same rights as union members as long as they take part in legal, official industrial action. Which is useful to know given that only 26% of UK employees are union members. This strike however, is not industrial action at all – it’s a social strike. So what rights do workers have to even take part? Well, none – which is unsurprising given that we don’t even have the legal right to strike against industrial action. What it does mean though, is that striking for climate change would involve taking some all-important holiday time. ‘Someone wanting to take part in the Climate Strike would have to request this as holiday, as it wouldn’t constitute a workplace dispute,’ says HR Advisor Kyle Taylor. ‘Otherwise, they would be classed as Absent Without Leave (AWOL)’ Going AWOL can be grounds for disciplinary action, however it is at the discretion of your employer how serious they take the incident. For example, you may simply not be paid for the day’s work or it could go on your record – it’s not typically grounds for dismissal.

**Collective action incentivizes policy change, but status quo sustains science as usual which embraces climate skep.**

**Green ’19** [Matthew, Reuters Journalist, “Scientists endorse mass civil disobedience to force climate action”, 10-12-2019, Reuters, https://www.reuters.com/article/us-climate-change-scientists/scientists-endorse-mass-civil-disobedience-to-force-climate-action-idUSKBN1WS01K]//pranav

In a joint declaration, **climate scientists, physicists, biologists, engineers and others from at least 20 countries broke with the caution traditionally associated with academia to side with peaceful protesters** courting arrest from Amsterdam to Melbourne.

**Wearing white laboratory coats to symbolize their research credentials, a group of about 20 of the signatories gathered on Saturday to read out the text outside London’s century-old Science Museum in the city’s upmarket Kensington district**.

“**We believe that the continued governmental inaction over the climate and ecological crisis now justifies peaceful and non-violent protest and direct action**, even if this goes beyond the bounds of the current law,” said Emily Grossman, a science broadcaster with a PhD in molecular biology. She read the declaration on behalf of the group.

“**We therefore support those who are rising up peacefully against governments around the world that are failing to act proportionately to the scale of the crisis**,” she said.

The declaration was coordinated by a group of scientists who support Extinction Rebellion, a civil disobedience campaign that formed in Britain a year ago and has since sparked offshoots in dozens of countries.

**The group launched a fresh wave of international actions on Monday, aiming to get governments to address an ecological crisis caused by climate change and accelerating extinctions of plant and animal species**.

**A total of 1,307 volunteers had since been arrested at various protests in London by 2030 GMT on Saturday, Extinction Rebellion said. A further 1,463 volunteers have been arrested in the past week in another 20 cities**, including Brussels, Amsterdam, New York, Sydney and Toronto, according to the group’s tally. More protests in this latest wave are due in the coming days.

While many scientists have shunned overt political debate, fearing that being perceived as activists might undermine their claims to objectivity, the 395 academics who had signed the declaration by 1100 GMT on Sunday chose to defy convention.

“**The urgency of the crisis is now so great that many scientists feel, as humans, that we now have a moral duty to take radical action**,” Grossman told Reuters.

**Other signatories included several scientists who contributed to the U.N.-backed Intergovernmental Panel on Climate Change (IPCC),** which has produced a series of reports underscoring the urgency of dramatic cuts in carbon emissions.

“**We can’t allow the role of scientists to be to just write papers and publish them in obscure journals and hope somehow that somebody out there will pay attention**,” Julia Steinberger, an ecological economist at the University of Leeds and a lead IPCC author, told Reuters.

“**We need to be rethinking the role of the scientist and engage with how social change happens at a massive and urgent scale,”** she said. “**We can’t allow science as usual.”**

**Climate strikes spill over and cause corporate policy change – empirically proven in tech – that bypasses politicians & avoids legal disputes.**

**Ghaffary ’19** [Shirin Ghaffary, 9-20-2019, "Here’s why the Amazon climate walkout is a big deal," Vox, https://www.vox.com/recode/2019/9/20/20874497/amazon-climate-change-walkout-google-microsoft-strike-tech-activism]//pranav

On Friday, over 1,500 Amazon workers plan to walk out of work to protest their company’s environmental impact. It will be the first time in Amazon’s 25-year history that its corporate employees have participated in a walkout demonstration. **Employees are calling on Amazon to reduce its carbon footprint as part of a larger**, youth-led global **climate strike that has planned hundreds of events around the world**. **Even ahead of their walkout, protesters have already seen results.** On Thursday morning, Amazon CEO Jeff Bezos announced in Washington, DC, **that the company is making a pact to follow the Paris climate agreement — a cross-country pledge for nations to reduce greenhouse gas emissions — and it is also pledging to be carbon neutral by 2040.** But Amazon employees who plan to walk out of work say it’s not enough. Organizers told Recode they want to see Amazon set a more aggressive plan for the company to reduce its carbon emissions to zero; they want it to stop selling its cloud services to the oil and gas industry; and they want it to stop donating to politicians who deny climate change’s existence. (**Bezos said he would “take a hard look” at whether donations are going toward climate-change deniers** but made no promises.) Amazon declined to comment directly on the strike. “I would love to be in a meeting where one of the criteria or goals around the design that I’m proposing is, ‘How much carbon does this remove from our footprint?’” Weston Fribley, a software engineer at Amazon and one of the organizers of Amazon Employees for Climate Justice, the group organizing the walkout, told Recode. “Our work is interesting and challenging, and it’s tough to see the company not prioritizing things that are so important.” **Employees from several other major tech companies have joined Amazon’s lead, calling on their companies to change business practices to reduce climate change**. So far, 700 **Google** employees have pledged to walk out, along with others at several other major tech companies including **Microsoft, Facebook, and Twitter**. **(Google announced a day ahead of the walkout that it’s making a major investment in wind and solar energy.)** These employees’ **coordinated involvement is a sign of how far the growing tech labor movement has come since rank-and-file workers began organizing over the past several years**. In 2019, as public and political scrutiny of their companies increases, **these employees have mobilized to pressure their companies on political issues ranging from selling AI tech military use, providing products to oppressive governments, and discrimination and harassment in the workplace**. Several leaders of the Amazon protest say they were inspired by last year’s Google walkout in which 20,000 employees left work to protest the company’s payout of high-powered executives accused of sexually harassing employees. The walkout was a historic moment for tech activism and the largest-ever company protest by workers in the industry. **It’s remarkable that employees at Amazon, known for a grueling work culture in which employees put on a unified public front and are sworn to secrecy, are now leading a protest in their sector.** “**The tech climate strike is proof that tech workers across the industry are becoming more confident in our power to shape the future,”** the organizing group Tech Workers Coalition (TWC) said in a statement to Recode. TWC helped coordinate employees at major companies who planned to join Amazon workers in participating in the strike. “This is a historic milestone for our industry and shows that we will only continue getting stronger until tech treats everyone equitably.” **The walkout is indeed a sign of a growing, cross-industry movement by employees to move the needle on their employer’s business practices on social and political issues**. A few months ago, employees at e-commerce home decor giant Wayfair walked out of work to demand their employer stop providing beds to children in US immigration detention facilities. Similarly, employees at the advertising firm Ogilvy protested their company’s contract with US Border Patrol, prompting the CEO to hold a lengthy meeting addressing concerns to a room full of angry employees. (Neither Ogilvy nor Wayfair have said they will cancel their contracts.) And at Amazon, workers have also formed a “We Won’t Build It” organizing group to protest the company’s Amazon Web Services contracts with companies like Palantir, which provide a technological infrastructure that helps US immigration agencies enforce deportation policies. **At a time when many of these workers are feeling doubtful about politicians’ ability to pass laws enforcing changes they want to see, they’re increasingly calling on their employers to set the ethical standard**. “**It goes beyond climate change**,” one Amazon employee who plans to walk out and who requested anonymity told Recode. “It demonstrates that, ‘Hey, you guys can organize on something together that you feel strongly about that maybe your managers don’t like but that you think is the right thing to do.’

**Warming causes extinction & turns every impact – no adaptation & each degree is worse**

**Krosofsky ’21** [Andrew, Green Matters Journalist, “How Global Warming May Eventually Lead to Global Extinction”, Green Matters, 03-11-2021, https://www.greenmatters.com/p/will-global-warming-cause-extinction]//pranav

Eventually, yes. **Global warming will invariably result in the mass extinction of millions of different species,** humankind included. In fact, **the Center for Biological Diversity says that global warming is currently the greatest threat to life on this planet**. **Global warming causes a number of detrimental effects on the environment that many species won’t be able to handle long-term**. Extreme weather patterns are shifting climates across the globe, eliminating habitats and altering the landscape. **As a result, food and fresh water sources are being drastically reduced**. Then, of course, **there are the rising global temperatures themselves, which many species are physically unable to contend with**. Formerly frozen arctic and antarctic regions are melting, increasing sea levels and temperatures. Eventually, **these effects will create a perfect storm of extinction conditions**. The melting glaciers of the arctic and the searing, **unmanageable heat indexes being seen along the Equator are just the tip of the iceberg, so to speak.** **The species that live in these climate zones have already been affected by the changes caused by global warming.** Take polar bears for example, whose habitats and food sources have been so greatly diminished that they have been forced to range further and further south. **Increased carbon dioxide levels in the atmosphere and oceans have already led to ocean acidification**. **This has caused many species of crustaceans to either adapt or perish and has led to the mass bleaching of more than 50 percent of Australia’s Great Barrier Reef**, according to National Geographic. According to the Center for Biological Diversity, the current trajectory of global warming predicts that more than 30 percent of Earth’s plant and animal species will face extinction by 2050. By the end of the century, that number could be as high as 70 percent. We won’t try and sugarcoat things, humanity’s own prospects aren’t looking that great either. According to The Conversation, **our species has just under a decade left to get our CO₂ emissions under control. If we don’t cut those emissions by half before 2030, temperatures will rise to potentially catastrophic levels. It may only seem like a degree or so, but the worldwide ramifications are immense.** The human species is resilient. We will survive for a while longer, even if these grim global warming predictions come to pass, **but it will mean less food, less water, and increased hardship across the world — especially in low-income areas and developing countries. This increase will also mean more pandemics, devastating storms, and uncontrollable wildfires**.

### 1AC – Advantage - Democracy

#### UK democracy is declining right now – Johnson’s levelling up agenda is a disguise for masking dissent

Macfarlane 5/12 [Laurie is a Research Associate at IIPP. Prior to this Laurie was a Senior Economist at the New Economics Foundation. Open Democracy “The UK government is using ‘levelling up’ to hide a crackdown on political dissent” <https://www.opendemocracy.net/en/oureconomy/the-uk-government-is-using-levelling-up-to-hide-a-crackdown-on-political-dissent/> ] //aaditg

What about Boris Johnson? For many, the answer is obvious: Brexit. But when it comes to domestic policy, the prime minister has yet to leave his mark on the country. After a year spent fighting the COVID-19 pandemic, the closest thing his government has to a flagship policy is the much-trumpeted “levelling-up” agenda. Officially the aim is to tackle the UK’s stark regional inequalities and “rebalance opportunities” across the country. Unofficially it’s about cementing Conservative support in traditional Labour strongholds in northern England and the Midlands. But while the broad objectives may sound sensible, in recent weeks frustration with the policy has been growing. Some have denounced the agenda for being vague and ill-defined, while others have accused the flagship Levelling Up Fund and Towns Fund of being convenient conduits for pork barrel politics. In an attempt to fend off critics and put the agenda back on track, the government promised that this week’s Queen’s Speech would be “jam-packed with measures to 'level up' the UK”. So how did it measure up to this promise? The Queen’s Speech included a total of 28 new bills covering a broad range of issues, from healthcare and criminal justice to online safety and professional qualifications. Bizarrely, almost every area of policy is presented as contributing to the levelling-up agenda in some way ­– from the launch of a new anti-smoking strategy to the recruitment of more police officers. But simply repeating a term over and over again doesn’t make it more convincing. In reality, precious little of the government’s legislative agenda will have any bearing on regional inequalities. Where legislative proposals are relevant, the solutions presented are far from convincing. Precious little of the government’s legislative agenda will have any bearing on regional inequalities A new Skills and Post-16 Education Bill will introduce a Lifelong Loan Entitlement, which will expand the student loan system to cover four years of education at any time in life. While the prime minister said the scheme will be "rocket fuel" for the levelling-up agenda, it’s unclear how burdening struggling families – many of whom are already drowning in debt – with even more loans will help to narrow the UK’s economic divides. A new Planning Bill will allegedly create a “simpler, faster and more modern planning system” that will promote homeownership and tackle the housing crisis. But by undermining local authorities and handing over more power to private developers, many housing experts believe the government’s reforms will make the housing crisis worse, not better. The government will also deliver on its commitment to establish eight freeports, which we are told will “drive regeneration by bringing investment, trade and jobs”. However, experts say there is little evidence that freeports create additional jobs or boost economic growth, while others have warned they could lead to increased tax evasion and money laundering. Meanwhile, legislation that would genuinely help to level up the country, such the long-awaited bills on workers’ rights and private renting reform, both of which were first promised in 2019, have once again been neglected or kicked into the long grass. So despite the government’s best efforts to convince us otherwise, ‘levelling up’ remains a slogan without substance. But if the government’s legislative programme isn’t going to level up the country, what is it going to deliver? The answer is: something else entirely. In the UK’s political system, a government can continue winning elections by suppressing critics and rigging democracy in its favour Under the proposed Electoral Integrity Bill, it will no longer be possible to simply walk into a polling station, give your name and address, and cast a vote. Instead voters will be forced to show photographic ID at polling stations. While the government claims the measure is being introduced to “protect the integrity of elections”, critics say the move is a naked attempt at voter suppression. In 2015 it was estimated that 3.5 million UK citizens do not have access to photo ID, while 11 million don’t own a passport or a driver’s licence. Unsurprisingly, those voters are disproportionately poor, disadvantaged and non-white. Groups including the Electoral Reform Society, the Runnymede Trust and the Traveller Movement have warned that requiring voter ID could cause widespread disenfranchisement among minority communities (who, as it happens, tend not to vote Conservative). This isn’t the only attack on democracy. After Labour dominated last week’s mayoral elections, the home secretary, Priti Patel, unveiled plans to change the electoral system. The reform involves switching all future English mayoral elections from the existing supplementary vote system – in which the public ranks their two favourite candidates – to the first-past-the-post system used in elections to the House of Commons. Political analysts say the move will make it easier for Conservatives to win future elections. It’s not just elections that are in the government’s sights. The proposed Police, Crime, Sentencing and Courts bill has been described by the human rights organisation Liberty as “an assault on basic civil liberties”. As well as dramatically curtailing the right to protest against government policies, the bill creates new stop-and-search powers and criminalises trespass – measures that could licence state harassment, ramp up racial profiling and threaten the way of life of Gypsy and Traveller communities. Academics have also expressed concern about the proposed Higher Education (Freedom of Speech) Bill, which will enable speakers who are ‘no-platformed’ to sue universities for compensation. While the government claims the bill will “strengthen academic freedom and free speech in universities in England”, critics say it’s an attempt to impose a right-wing agenda on university campuses. So while the government claims its main focus is levelling up, its legislative agenda suggests the priority is something rather different: cracking down on political dissent. After years spent dealing with Brexit and COVID-19, Johnson’s domestic priorities are finally becoming clear: reward those who vote Conservative, and suppress those who don’t. Is this really a sustainable strategy? In most democracies, where coalitions and consensus building are the norm, the answer would be ‘no’. But in the UK’s winner-takes-all political system, it’s perfectly possible for a government to continue winning elections by suppressing critics and rigging the rules of democracy in its favour. Can it be stopped? That depends on whether progressives are up to the task of defending our democracy and civil liberties from a creeping new authoritarianism.

#### Strikes are the internal link to uphold democracy – empirics prove

Pope 18 [ Before joining Rutgers in 1986, James Gray Pope worked in a shipyard and represented labor unions at the Boston law firm of Segal, Roitman & Coleman. He has a doctorate in politics from Princeton and specializes in constitutional law, constitutional theory, and labor law. “Labor’s right to strike is essential” Sept 2018 <https://www.psc-cuny.org/clarion/september-2018/labor%E2%80%99s-right-strike-essential>] //aaditg

What provoked Cuomo and de Blasio to close ranks and launch a simultaneous attack on workers’ rights? Gubernatorial candidate Cynthia Nixon had the audacity to include in her platform a plank endorsing public workers’ right to strike. No wonder Cuomo and de Blasio struck back: Like Bernie Sanders, Nixon threatened the grip of Wall Street-backed politicians on what was once the party of working people. The right to strike should be a no-brainer for any self-respecting candidate who claims to care about working people. It isn’t some transitory policy fix; it’s a fundamental human right, recognized in international law. Without the right to strike, workers have no effective recourse against unhealthy conditions, inadequate wages, or employer tyranny. Before the American labor movement began its long decline, unions made the right to strike a litmus test for supporting candidates. Labor leaders held that anti-strike laws imposed “involuntary servitude” in violation of the Thirteenth Amendment to the United States Constitution. Corporate interests ridiculed this claim, arguing that the Amendment guaranteed only the individual right to quit and go elsewhere. But workers and unions held their ground. “The simple fact is that the right of individual workers to quit their jobs has meaning only when they may quit in concert, so that in their quitting or in their threat to quit they have a real bargaining strength,” Congress of Industrial Organizations (CIO) General Counsel Lee Pressman explained. “It is thus hypocritical to suggest that a prohibition on the right to strike is not in practical effect a prohibition on the right to quit individually.” Labor leaders quoted the Supreme Court’s statement that the Amendment was intended “to make labor free, by prohibiting that control by which the personal service of one man is disposed of or coerced for another’s benefit which is the essence of involuntary servitude.” Although they never convinced the Supreme Court that this principle covered the right to strike, Congress did embrace the core of their claim when it protected the right to strike in two historic statutes, the Norris-LaGuardia Act of 1932 and the Wagner National Labor Relations Act of 1935. The “individual unorganized worker,” explained Congress, “is helpless to exercise actual liberty of contract and to protect his freedom of labor.” A DEMOCRATIC NEED The recent teacher strikes underscore another, equally vital function of the strike: political democracy. It is no accident that strikers often serve as midwives of democracy. Examples include Poland in the 1970s, where shipyard strikers brought down the dictatorship, and South Africa in the 1970s and 1980s, where strikers were central to the defeat of apartheid. Even in relatively democratic countries like the United States, workers often find it necessary to withhold their labor in order to offset the disproportionate power of wealthy interests and racial elites. During the 1930s, for example, it took mass strikes to overcome judicial resistance to progressive economic regulation. Today, workers confront a political system that has been warped by voter suppression, gerrymandering and the judicial protection of corporate political expenditures as “freedom of speech.” With corporate lackeys holding a majority of seats on the Supreme Court, workers may soon need strikes to clear the way for progressive legislation just as they did in the 1930s. But if the right to strike is a no-brainer, then how did Cuomo and de Blasio justify attacking it? “The premise of the Taylor Law,” said Cuomo, “is you would have chaos if certain services were not provided,” namely police, firefighters and prison guards. If that’s the premise, then why not endorse Nixon’s proposal as to teachers and most public workers, and propose exceptions for truly essential services? That’s the approach of international law, and that’s what Nixon clarified she supports. But Cuomo couldn’t explain why teachers and other non-essential personnel should be denied this basic human right. As for de Blasio, he claimed that the Taylor Law accomplishes “an important public purpose” and that “there are lots of ways for workers’ rights to be acknowledged and their voices to be heard.” What public purpose? Forcing workers to accept inadequate wages and unsafe conditions? What ways to be heard? Groveling to politicians for a raise in exchange for votes? The ban forces once-proud unions to serve as cogs in the political machines of Wall Street politicians. No sooner did Nixon endorse the right to strike than two prominent union leaders rushed to provide cover for Cuomo. Danny Donohue, president of the Civil Service Employees Association, called her “incredibly naive” and charged that “clearly, she does not have the experience needed to be governor of New York.” Evidently Cuomo, who was elected governor on a program of attacking unions and followed through with cuts to public workers’ pensions and wages, does have the requisite experience. John Samuelsen of the Transport Workers Union, which represents more than 40,000 New York City transit workers, also lashed out, saying, “I believe that she will cut and run when we shut the subway down…. As soon as her hipster Williamsburg supporters can’t take public transit to non-union Wegmans to buy their kale chips, she will call in the National Guard and the Pinkertons.”

#### Climate strikes are a form of environmental, civil *mobilization* that creates the emergence of a democratic impetus *legitimizing* democracy and reform

Szolucha 20 [ Anna Szolucha works at Department of Social Sciences, Faculty of Arts, Design and Social Sciences, Northumbria University, Newcastle, UK Sage Pub “Why is everyone talking about climate change ... again?” Feb 19, 2020 <https://journals.sagepub.com/doi/full/10.1177/0791603520908188> ] // aaditg

And yet, as U Thant’s quote would seem to confirm, there is a justified feeling that we have been here before; we have already made those arguments; we have appealed to global solidarity and cried out for urgent action to tackle global warming and stop causing irreparable damage to the Earth’s ecosystems. However, at least from a European perspective, there is also a sense that things are changing. The recent popular mobilisations in the form of climate strikes, various national movements and, importantly, community-based campaigns have raised the profile of climate action and brought it to the fore of national and international debate in a way that we have not seen for years. Importantly, this seems to be the case in both the core as well as on the periphery of Europe where the environment has suddenly become a topic of electoral debates. So how do we make sense of the current moment in, what seems to be, a very long march toward tackling climate change? What is the same? What is different? How to define success and failure? And what has climate change to do with democracy? A view from the fracking front I remember that I first heard of fracking1 when I lived in Ireland, about nine years ago. I did not think for a moment that I would end up living in the vicinity of fracking pads in England, conducting ethnographic research about the impacts of gas developments on local communities. I think that it is important that I say where my observations are coming from because climate change looks a little bit differently from the perspective of a rural Lancashire or North Yorkshire 2 Irish Journal of Sociology 0(0) community split by their views on shale gas than from the perspective of capitalbased social movement organisations or policy makers. What I found early on, when I came to live in the communities facing the prospect of fracking, was the profound sense of democratic and social injustice that was fuelled by the distrust toward the authorities, police and the gas industry (Szolucha, 2016, 2018). Regardless of their individual views on hydraulic fracturing, local residents felt alienated from the conditions of their physical environments as well as from their rights as democratic subjects. This experience stemmed from their interactions with one another as well as with the industry and various state agencies that were tasked with safeguarding the environment and people’s health. The distrust settled in the communities quite quickly, at least partially prompted by the increasing corporatisation of the state and the hollowing out of its democratic function. Although fracking can have an impact on all local residents, it is important to note that the majority of gas developments that I have researched have taken place in areas that are overall traditionally Conservative-voting, predominantly white and middle-class. These characteristics can influence the way in which people make sense of decisions and actions that affect their lives, but I think that the popular democratic and anti-authoritarian tone of the claims made by community-based campaigns does not derive simply from their sociological characteristics but is also symptomatic of the current moment in the global struggle to tackle climate change. In outlining the similarities and differences between the current and past waves of social protest around environmental issues, I want to highlight the role that popular democratic demands play in mobilising for climate action – why are they important and why are they the only thing that really moves things forward? Have we really been here before? Yes, which means that, hopefully, we will have learnt something. And we did. In the 1970s and 1980s, environmentalism won much wider public support and, in the US, where it became overtly political and radical, it facilitated the creation of the Earth Day – a now-annual and global event that promotes environmental protection. It was initially modelled on anti-war teach-ins, but their antiestablishment orientation soon gave way to environmental management which conceived of problems as technical and scientific rather than social, democratic or transformative (Gottlieb, 1995). The echoes of this approach can still be heard today in the way in which climate science is often elevated to the status of the “truth” that alone should be sufficient to mobilise populations and political leaders to take decisive and rapid action on climate change. Forty and 50 years ago, the heightened environmental awareness led to the emergence of professional organisations in which experts dealt with specific problems, often applying a conservationist lens. This relatively unthreatening form of activism helped introduce some legislative and administrative changes such as the National Environmental Protection Act of 1970 in the United States and the Szolucha 3 Control of Pollution Act 1974 in Britain. The Environmental Protection Agency was set up in the US and the Department of the Environment was established in the UK around that time as well (Sandbach, 1978). Although these developments contained popular fears, they by no means put an end to local, issue- and community-based campaigns. The Irish environmental movement was also born around this time in the context of Wood Quay and the Carnsore Point protests (Leonard, 2008). What dominated the wave of mainstream environmentalism in the 1970s was a distinct approach – epitomised in The Club of Rome’s conclusions and organisational principles – that was largely top-down, technical, expert-led and global rather than local (Eastin et al., 2011). A view from below was lacking, and the democratic and anti-authoritarian impulse that undoubtedly drove a lot of environmental activism of the time was domesticated by the promises of regulatory and expert oversight. The transformational potential that was required to make substantive changes in the way people treated the environment was spent on the creation of recycling programmes and environmental curricula in schools (Ogrodnik and Staggenborg, 2016). Isn’t this exactly where we are heading today? The top-down and expert-led approach to tackling climate change is still dominant in intergovernmental negotiations and has even been adopted by some of its critics in social movements who use it to address the powers that be and receive massive media resonance. Emission targets often remain the main reference point for the formal mitigation pledges and efforts. Even the distinctly global approach to the problem and the popularisation of climate change by the mass media are exactly what scholars were hailing as a new quality of the 1970s environmentalism: “What is new” they wrote “is, on the one hand, the global approach to the problem – both figuratively and literally – and, on the other hand, the popularisation of the issues by the mass media” (Kimber and Richardson, 1974: 3). The rhetoric of ecological catastrophe propagated by such figures as Greta Thunberg or Sir David Attenborough also bears an uncanny resemblance to the “eco-doom” literature that was popular in the 1970s. The tactics and methods used by some of the contemporary environmental movements and grassroots campaigns, that employ high-visibility direct action rather than discrete lobbying, were also characterised as novel ... 50 years ago. At the time, such environmental groups as Friends of the Earth and Greenpeace distinguished themselves from the Conservation Society or the Campaign for the Protection of Rural England by undertaking more militant actions that addressed concerns pertaining to the general environmental crisis rather than single issues (Herring, 2001). Today, new social movement organisations and local groups seem to be taking up the mantle of more confrontational environmentalism. Notwithstanding these historical similarities, it would be wrong to conclude that nothing has changed in the last 50 years. Popular environmental protest can teach us a lesson about why popular democratic demands are important for effecting change in many aspects of politics 4 Irish Journal of Sociology 0(0) and society. But first, how should we think about these new, old developments in the environmental movements and popular ecological awareness? What we are witnessing is perhaps less of a “new” type of environmentalism and more of an important moment in the evolution of the environmental movement and the history of climate action. These moments happen maybe once in a generation, roughly. In the 1970s, the new global environmentalism was part of an age of protest and was instrumental in the emergence of the environmental justice movement which highlighted the social bias and racism of siting decisions. Twenty years after that, anti-nuclear mobilisations in various countries in Europe and anti-road protests in Britain again led to the emergence of new ecological groups and renewed public interest in environmental problems. The 2000s in Ireland were definitely marked by the protest against the Corrib gas project in County Mayo and the jailing of the Rossport Five, which have indirectly contributed to anti-fracking resistance and a ban on the method in 2017 (Darcy and Cox, 2019). Elsewhere, global warming became one of the targets of alter-globalisation struggles that linked capitalist globalisation with international inequalities perpetuated by the extractive activities. In 2020, we are again at a historical juncture when the cultural environmental critique has merged with scientific concerns. The expanding extraction of fossil fuels in evermore unconventional ways and places is mobilising community-based campaigns that find themselves discovering a growing environmental movement that echoes and amplifies their causes. The “new” movement is itself often informed by the recent wave of pro-democratic and anti-austerity protests such as Occupy. The ideas about direct action and direct democracy that animated those mobilisations are being creatively rediscovered as a distinctive form of anti-authoritarianism in a new reality increasingly defined by the far right. Democracy and climate action From the point of view of a community-based campaign in Britain – whether opposed to or in favour of fossil fuel extraction – the scope for popular democratic action has been contracting rather than expanding. When local residents decide to get involved in community activism – the majority of them for the first time in their lives – they enter a technocratic, political and social landscape that is largely not amenable to hearing or engaging with their concerns. The UK planning system, for example, often considers the old vocabularies of local amenity and aesthetics to be more materially significant than issues of climate change and social acceptance. The central government is happy to facilitate fracking at times when it finds it expedient and suspends the controversial practice in the runup to elections. This gives rise to popular dissatisfaction which facilitates and sustains environmental networks that people organise under to address their particular and more general concerns around climate change. Popular discontent is instrumental in the emergence of a democratic impetus – a social and cultural force that appeals to egalitarianism and “the people” as the source and value of important political changes and actions. Popular democratic impulse embodied in community-based environmental campaigns delegitimises certain political decisions and challenges them from the position of grassroots experience and civic subjectivity. Every “new” era of environmental protest seems to be driven by this democratic impetus. It stems from outside the state and its only claim to power is that it is portrayed to articulate the democratic will of a community or society. If today, climate change is competing with other major issues on the national and international agenda, this is not because of an IPCC report or the most recent climate science; rather, it is because of the potent merging of environmental, democratic and anti-authoritarian feelings that have brought global warming to the fore again. Over 50 years ago, Rachel Carson – the author of “Silent Spring,” a seminal book about the environmental impacts of pesticides – recognised that some of the pressing environmental issues of the day were indicative of “an era dominated by industry, in which the right to make a dollar at whatever cost is seldom challenged” (2002: 13). A similar sentiment is also the mobilising force behind environmental movements and campaigns today. Although they have had 50 years to develop articulate understandings of social inequality, it is striking to read that some scholars still think about European environmentalism as “privileged fear” of those who will not have to bear the full weight of the climate crisis. And it is hard to blame them for this view because there is much more that could be done to give social inequality its proper place in the climate change debate. The current environmental moment is therefore susceptible to the same pitfalls and the same fate as its 1970s iteration. The social and economic dimensions of climate change may be lost again because they are not being put centre stage. The environmental and climate change protests today may not signify a beginning of an entirely new environmentalism or even a culmination of five decades of ecological struggles. Everyone is speaking about climate change again because we are at a particular moment in the complex history of climate action – when environmental, democratic and anti-authoritarian concerns have come together drawing on as well as forgetting some lessons of the previous waves of popular mobilisations around environmental issues. Part of this predicament stems from the diverse roots and organisational principles of the plethora of campaigns and actors involved in tackling the climate crisis. So, as we are all learning about the possibilities of contemporary climate action, is the history of the environmental movement “a litany of small, ephemeral, and qualified victories, many of which have been further undermined in recent years” (Boime, 2008: 298)? It is true that, in hindsight, the last 50 years of environmentalism that I sketched above can leave one with a nagging sense of disappointment at the incremental nature of climate action. On the other hand, as many local campaigners and activists would tell you, this is not how they experience their actions in real time. Is this “movement amnesia” a failure to learn within movements as well as between different waves of protest? Not necessarily. In fact, a sense of 6 Irish Journal of Sociology 0(0) transgressing old boundaries and established ways of organising are essential parts of the democratic impulse that drives social mobilisation. If arguments or strategies seem novel to some of those who undertake climate action, it may simply mean that those strategies are reaching out to broader social groups. So what are the lessons that we can draw from the last 50 years of environmental mobilisations? It seems that neither massive media interest, symbolic figures nor spectacular direct actions are a proved recipe for tackling global warming in an effective way. They are important, but I would advise caution to those who think that they indicate a real social and political change. In fact, the lesson that I take from history is this: climate change, democracy and anti-authoritarianism constitute a potent formula for environmental mobilisation as long as they remain grounded in everyday life concerns and activity of social groups regardless of individual income or identity. This is why environmental justice and democracy are so important in tackling the climate crisis; they should be a way, rather than only an effect of addressing global warming. The experience of the last 50 years shows that environmental movements come and go and, although they are instrumental in effecting socio-political change, it is the democratic agency of society that gives them their impetus and legitimacy. And it seems that, in some parts of contemporary Europe, fighting for a liveable climate may need to go hand in hand with fighting for democracy.

#### Democracy *solves* climate change but we need an *increase* in pace of action

Casas-Zamora 21 [Dr. Kevin Casas-Zamora is the Secretary-General of the International Institute for Democracy and Electoral Assistance (IDEA), with over 25 years of experience in democratic governance as a researcher, analyst, educator, consultant and public official. Here he discusses the role that democracy plays in mitigating climate change. 06/29/2021 Why democracy is the key ingredient to battling climate change” <https://www.euronews.com/green/2021/06/29/why-democracy-is-the-key-ingredient-to-battling-climate-change> ] //aaditg

The recent court rulings tell us a lot, not just about the powerful assets that democracy can deploy in the struggle against climate change, but also the long-term robustness of the case for democracy as a political system. Democracies are under pressure from populism, disinformation, inequality and voter frustration, according to the Global State of Democracy report from the intergovernmental organisation International (IDEA). They are also afflicted by a crisis of self-confidence. Fairly or not, the current pandemic has helped cement a narrative portraying liberal democracies as lumbering and too divided to cope with big challenges, while extolling the presumed ability of authoritarian systems to act decisively. Andre Penner/AP2011 Deforestation in the Brazilian AmazonAndre Penner/AP2011 ‘Extremists and populists on the rise’: Why the EU needs a green prosecutor What are the vices to democracy? This narrative is not concocted out of thin air. Democracies do suffer from vices when it comes to slow-burning crises like global warming. Voters and politicians have short attention spans. Balances of power mean reforms can be held hostage to obstinate US Senators or oil lobbyists. Science can play second fiddle to voters if it entails higher taxes - France’s yellow vest protests, sparked by fuel price rises, are a case in point. And yet, despite all this, the facts are clear - 9 out of the 10 top performers in the 2021 Climate Change Performance Index are democracies. Sweden tops the list of 57 countries. China is 30th. The reasons for this are not hard to fathom. Democracies allow for the free flow of information that enables policy makers to debate and find solutions, and for civil society to mobilise. It is no coincidence that youth campaigner Greta Thunberg helped spark a global movement from a lone street demonstration in Sweden, one of the world’s top performing democracies. It is no coincidence that youth campaigner Greta Thunberg helped spark a global movement from a lone street demonstration in Sweden, one of the world’s top performing democracies. Democracies are more effective against climate change for the same reasons that they don’t experience famines, as Nobel Laureate Indian economist Amartya Sen suggested long ago - because in allowing freedom of expression, a vibrant civil society, regular elections and the workings of checks and balances, they increase the likelihood that crises will be met and destructive policies corrected. Democracy is not simply elections - it is the often chaotic workings of myriad institutions and groups as well as a culture of open debate, where climate reform is nudged along by courts, free media, parliaments, and public protests. Democracy’s most powerful weapon against the challenges of this century is its ability to self-correct. And then there is the capacity of democratic systems to forge the social consensus required for long-term transformations to be sustainable. We know this story - participatory decision-making may be slower than executive decrees, but almost always yields outcomes that are more legitimate and accepted by society, and hence more durable. Canva Democracy is a key ingredient to fighting climate changeCanva This is vital for climate change. Decarbonisation is not something governments do by fiat, though act they must - it is something societies as a whole must do by conviction. Consumer habits will need to change, from reducing air travel to adjusting diets. Trillions of dollars will have to be invested in transforming the sources of energy that fuel economies. New social contracts will have to be devised so that the burden of these fiscal bills can be equitably shared. There is no guarantee that democracies will succeed in building the consensus needed to save our species, but their odds are better than those of any other political arrangement. Could decarbonising our cities be the answer to climate change? Kids are disappointed in grownups’ ‘un-green’ ways: Here are their plans for a cleaner future Democratic governance could slow down climate change This is, however, the key question – while it is clear that the attributes of democracy are potentially superior to deal with climate change, it is much less clear that they will be actually deployed with the celerity required. This is, precisely, what courts are doing in Germany and elsewhere - they are moving forward the deadlines that political systems and societies must meet if our species is to avoid disaster. Those deadlines are tight – a few decades, at most. But courts alone won’t do the trick. Democratic governments, parliaments, and political leaders must also dramatically increase the pace of their actions. This is why it is so vital to connect the discussion of climate change with debates on the quality of democratic governance. We must distill, disseminate, and design the institutions and practices that are more likely to allow democracies to build consensus, distribute burdens and make decisions effectively to meet the climate crisis. Experimenting with new forms of political deliberation, like citizens’ assemblies, enlarging the representation of young people by lowering the voting age and adopting some of the bargaining practices between industries, workers and governments that have been so instrumental in building consensus in Northern Europe - this is the stuff democratic governance agendas should be made of in the climate crisis era.

#### The alternative to democracy is violent civil wars, ethnic cleansing, and genocide---the best research confirms

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The classic statement of **Kantian peace** theory applies to interstate conflict and focuses on dyadic relations between states. This **leaves out the most common form of armed violence in the world today, civil conflicts and one-sided violence within states. In recent years, researchers** have **found evidence** that the **democratic peace** phenomenon **applies within states as well as between them**. Regime type matters not only externally but internally. **Mature democratic governments** are not only less likely to wage war on each other, they also **experience fewer armed uprisings and major civil wars and are more reluctant to use armed violence against** their own **citizens. As the studies** below **indicate**, the **evidence of a democratic peace phenomenon within states is strong and compelling**. Walter observes a direct relationship between levels of democracy and the likelihood of internal armed conflict. In her examination of the problem of war recurrence, she finds that **countries characterized by open political systems and economic well-being—i.e., developed democracies— have a much lower probability of renewed civil war than autocratic countries with low levels of economic development**.91 Walter measures the degree of political openness and democratic ‘voice’ by using Polity and Freedom House indicators. High scores on these indices correlate directly with a reduced risk of civil war. She notes**, as other scholars have observed**, that **major civil wars do not occur in mature democratic states.** She concludes: It may be that **liberal democracies are really the only types of regimes that can truly insulate themselves from violent internal challenges**. This suggests that **citizens who are able to express their preferences about alternative policies and leaders, who are guaranteed civil liberties in their daily lives and in acts of political participation, are less likely to become soldiers. Offering citizens a real outlet for** their **concerns and having** a **government** that is **open to democratic change considerably reduces the likelihood of** a **civil war**.92 **Civil conflicts within mature democracies are not only less frequent but also less lethal.** Bethany **Lacina assesses the severity of civil conflicts by measuring casualty levels according to several variables: regime type, state capacity, ethnic and religious diversity, and the impact of foreign military intervention. She finds** that the **political characteristics of a regime correlate significantly with differing casualty levels and are the strongest predictor of conflict severity. Democratic governments experience much lower casualty levels during civil conflict than autocratic states**. Lacina’s analysis finds that civil wars occurring within democratic states have less than half the battle deaths of conflicts in non-democracies.93 **State-sponsored violence against civilians is also less likely to occur in democracies than in autocracies**. In his important book, Death by Government, Rudolph **Rummel assembles mind numbing data and numerous examples demonstrating the myriad ways governments kill** their **citizens**—directly **through genocide and mass terror and indirectly through starvation and repression. He finds a stark contrast between the behavior of autocracies and democracies. Autocratic governments readily “slaughter their people by the tens of millions; in contrast**, many **democracies can barely bring themselves to execute even serial murderers**.”94 **Through statistical analysis, Rummel shows** that **genocidal killing is directly associated with the absence of democracy**, holding constant other variables such as regime type, ethnic diversity, economic development level, population density, and culture.95 The **lack of democracy is the most significant indicator of the likelihood of mass repression again the civilian population**. As Rummel documents the appalling litany of governments murdering their own people, he is unequivocal about what he considers the necessary remedy—“The solution is democracy. The course of action is to foster freedom.”95 Barbara **Harff’s** **research** on genocidal violence **comes to similar conclusions. She examines 126 cases of internal war and regime collapse between** 1955 and 1997 **to identify** the **factors that led to genocidal violence in 35 of these cases. Her results match the findings of other studies. Autocratic regimes facing state failure are three and a half times more likely to experience genocidal violence than democratic regimes facing such failure**.97 She finds that **genocidal violence is more likely in regimes that advocate exclusionary ideologies, an approach that is rare in mature democratic states**. Harff observes that the **lowest levels of mass killing occur in states with a high degree of economic interdependence, which is characteristic of mature democratic regimes**.98 Her conclusion is that states are less likely to employ genocidal violence when they have inclusive democratic systems and trade extensively with other countries. As Steven Pinker notes, these findings fit well with the Kantian triad of democracy, cosmopolitanism and trade— “another trifecta” for liberal peace theory.99

### 1AC – Solvency – Plan

#### Thus the plan – The United Kingdom of Great Britain and Northern Ireland should recognize an unconditional right for workers to climate strike.

Clarion 19 [ The Clarion is a magazine for labor activitists. 9/09/2019 “Workers need the right to strike for climate justice” https://theclarionmag.org/2019/09/09/workers-need-the-right-to-strike-for-climate-justice/ ] // aaditg

Workers need the right to strike for climate justice – repeal the anti-union laws In 2019, school students’ strikes internationally have shifted the debate about the climate crisis. Now more and more school student activists recognise that they alone cannot tackle the crisis and win a fundamental transformation of society. A just transition to a new economic system run in the interests of people and planet, not profit, must have workers at its core. For more than thirty years, workers in the UK have been fenced in by laws which make quick and effective strike action difficult, and action over political issues like climate change more difficult still. Workers do take radical action despite the law; but over the years the anti-union laws have helped weaken the culture of workplace organisation and workers’ direct action. The urgency of the climate crisis demands both bending and defiance of these laws – as groups of workers will undertake on 20 September – and a renewed campaign for them to be scrapped completely. In the context of climate chaos, workers urgently need freedom to take quick and effective industrial action to defend themselves against dangerous and unstable working conditions. They urgently need freedom to take solidarity action to support other workers in their communities, across the UK and – crucially in an interconnected world where the global poor are on the frontline – in other countries. And they urgently need freedom to take industrial action for political issues, most importantly a just solution to the climate crisis. We therefore call on all organisations who seriously want to fight climate change to call for the abolition of all anti-union laws and their replacement with strong legal rights for workers and unions, including the right to strike quickly and effectively, in solidarity with others and for political demands. We congratulate the Greens for taking a strong stand on these issues. We call on Labour to carry out the policy passed by its conference in 2017 and 2015. We welcome the motion to the TUC Congress submitted by the Fire Brigades Union.

#### Coordinated civic engagement and strikes is key to comprehensive climate action globally.

Fisher and Nasrin 20 [Dana R; Professor of Sociology and the Director of the Program for Society and the Environment at the University of Maryland. Her research focuses on questions related to democracy, activism, and environmentalism — most recently studying climate activism, protests, and the American Resistance. Her research employs a mixed-methods approach that integrates data collected through open-ended semi-structured interviews and participant observation with various forms of survey data; Sohana; University of Maryland, College Park, UMD, UMCP, University of Maryland College Park · Philip Merrill College of Journalism Master of Arts; “Climate activism and its effects,” Wiley Interdisciplinary Review; October 2020; https://www.researchgate.net/publication/345455893\_Climate\_activism\_and\_its\_effects]

As coordinated school strikes have taken place around the world to draw attention to the climate crisis, they have mobi-lized an increasing number of participants in a growing number of locations. This type of activism involves particularforms of civic engagement that specifically aim to pressure governments to take action that addresses the issue of cli-mate change. Civic engagement is the term used to describe the manifold ways that citizens participate in their societieswith the intention of influencing communities, politics, and the economy. Forms of engagement range from tactics thatinvolve citizens working directly to change their individual behaviors, along with those that involve indirect efforts tobring about change through the political and economic systems (like school strikes). Tactics run the gamut and rangefrom those that work within these systems to those that work outside of them (Meyer & Tarrow, 1997). Collectiveefforts are mediated by various organizational forms (Anheier & Themudo, 2002), which can either create or remove obstacles to participation (Fisher & Green, 2004; for more general discussion, see Gamson, 1975; McAdam, 1983). Ashas been noted by numerous studies, civic engagement is much higher in democratic countries where citizens areafforded rights to participate and to voice their opinions (DeBardeleben & Pammett, 2009; see also Putnam, Leonardi, &Nanetti, 1994; Schofer & Longhofer, 2011; Skocpol & Fiorina, 1999; de Tocqueville, 2002; see particularly Verba,Schlozman, & Brady, 1995). At the same time, digital technologies have been found to facilitate the spread of variousforms of activism while they connect countries and cultures (Bennett, 2013; Theocharis, Vitoratou, & Sajuria, 2017)

This paper reviews the specific ways that citizens have engaged civically around the issue of climate change, paying particular attention to the documented effects of these efforts on climate change itself. Our discussion provides a review of the range of direct and indirect forms of climate activism (for a general overview of the direct and indirect effects of social movements, see Snow & Soule, 2010). After this review, we present the case of school strikes as a specific tactic that has gained attention in recent years. In this section, we review the limited research that presents data collected from participants of climate strikes in 2019 to understand trends in the expansion of this popular tactic. As the world responds to the COVID-19 outbreak and activism (including climate strikes) move increasingly online, we discuss the potential implications of the pandemic on climate activism and engagement. The conclusion of this paper emphasizes that future research must pay more attention to the relationship between climate-related civic engagement and measurable environmental outcomes. It highlights the methodological challenges facing scholars who take on the difficult analytical task of assessing the outcomes of climate activism in a way that is scalable for a global movement aiming to stop a global crisis. 2 | ACTIVISM WITH DIRECT EFFECTS ON CLIMATE CHANGE There are limited forms of civic engagement that involve efforts to have a direct effect on individual greenhouse gas emissions. For example, some environmental movements and environmental groups encourage their members to make lifestyle changes that reduce their individual carbon footprints. These efforts focus on changing consumer behaviors, such as reducing car-use, flying, shifting to nonfossil fuel-based sources of electricity, and eating less dairy or meat (Büchs, Saunders, Wallbridge, Smith, & Bardsley, 2015; Cherry, 2006; Cronin, McCarthy, & Collins, 2014; Ergas, 2010; Haenfler, Johnson, & Jones, 2012; Middlemiss, 2011; Salt & Layzell, 1985; Saunders, Büchs, Papafragkou, Wallbridge, & Smith, 2014; Stuart, Thomas, Donaghue, & Russell, 2013; Wynes, Nicholas, Zhao, & Donner, 2018; for an overview on these measures, see Wynes & Nicholas, 2017). So far, there are only a limited number of case studies that measure the direct effect of participation in these types of movements as it relates to climate outcomes. In their study of the electricity use of 72 households in southern England, for example, Saunders and colleagues find an association between low levels of electricity use and contact with environmental organizations (Saunders et al., 2014). Similarly, in a longitudinal ethnographic study of a small number of participants in an environmental campaign in Sweden, Vestergren and colleagues conclude that participants in an environmental campaign sustained reductions in plastic use and meat consumption over the period of their study (Vestergren, Drury, & Chiriac, 2018, 2019). There is a clear need for research on the material outcomes of these movements that aim to have direct effects on consumption patterns that goes beyond single case studies. At the same time, measuring direct effects of these efforts in a way that scales up is extremely challenging, especially when crossing cultural and institutional contexts. 3 | ACTIVISM WITH INDIRECT EFFECTS ON CLIMATE CHANGE Most types of activism, however, do not aim to have direct effects on greenhouse gas emissions. Instead, they work to pressure economic and political actors to change policies and behaviors in a way that will lead to reductions in emissions. In other words, their goals are indirect: these forms of engagement target nodes of power—policymakers, regulators, and businesses—to change their behaviors and/or accelerate their efforts to reduce greenhouse gas emissions. These forms of civic engagement involve providing the labor and political will needed to pressure political and economic actors to enact the kinds of emission-reducing policies recommended by scientists working with the Intergovernmental Panel on Climate Change (IPCC) (Intergovernmental Panel on Climate Change & Edenhofer, 2014, pt. IV). Much of the research in this area looks at the role of internationally focused environmental Non-Governmental Organizations (NGOs), which tend to target international environmental negotiation processes (Betsill & Corell, 2008; Boli & Thomas, 1999; Fox & Brown, 1998). Within this research area, there are numerous studies that analyze 2 of 11 FISHER AND NASRIN quantitative data sets to understand the relationship between NGOs and a country's environmental impact comparatively (see also Frank, Hironaka, & Schofer, 2000; Grant, Jorgenson, & Longhofer, 2018; Jorgenson, Dick, & Shandra, 2011; Longhofer & Jorgenson, 2017; Schofer & Hironaka, 2005). Other studies focus specifically on the relationship between NGOs and environmental impact within nations (Dietz, Frank, Whitley, Kelly, & Kelly, 2015; Grant & Vasi, 2017; Shwom, 2011). In their quantitative analysis of the effects of world society on environmental protection outcomes in countries around the world, Schofer and Hironaka find clear evidence that the rise of an “international environmental regime,” which includes environmental NGOs, is associated with lower levels of environmental degradation, including reduced carbon dioxide emissions (Schofer & Hironaka, 2005). More recently, scholars have worked to understand this relationship within the context of development. For example, Longhofer and Jorgenson conclude that nations with the highest levels of membership in international environmental NGOs experience a moderate “decoupling” in the assocaition between economic development and carbon emissions (Grant et al., 2018; see also Jorgenson et al., 2011; Longhofer & Jorgenson, 2017) Although these studies provide a good first step in understanding this connection, more research is needed about how exactly the existence of NGOs bring about lower emissions. Beyond these studies that explicitly analyze the relationship between NGOs and carbon emissions, there is a small but growing literature that assesses the broader consequences of activism, which aims to pressure policymakers to take action across a range of issues (Amenta, Caren, Chiarello, & Su, 2010; Giugni, McAdam, & Tilly, 1999; Soule & Olzak, 2004). This research focuses specifically on the outcome of specific forms of engagement, or tactics (for an overview, see Caren, Ghoshal, & Ribas, 2011). Some of the most common tactics that activists are employing to reduce greenhouse gas emissions indirectly are summarized in the sections that follow. 3.1 | Activism through litigation Litigation is one of the tactics that citizens, local governments, NGOs, and even corporations are using to pressure governments. This tactic aims to work through the judicial system to take action or enforce existing legislation (McCormick et al., 2017; Peel & Lin, 2019; Peel & Osofsky, 2015; Setzer & Vanhala, 2019; see also Pfrommer et al., 2019). In May 2017, UN Environment reported that climate change-related cases had been filed in 24 countries plus the European Union (UN Environment, 2017). In some cases, this tactic is being used to pressure businesses and governments to meet their policy commitments (Setzer & Vanhala, 2019; UN Environment, 2017). So far, however, there remains insufficient evidence regarding what effect these judicial efforts are having on greenhouse gas emissions. 3.2 | Activism targeting business actors At the same time, some groups focus their attention on targeting the economic sector and specific businesses. These efforts employ shareholder activism and cooperative board stewardship, as well as protest (King & Soule, 2007; M.-D. P. Lee & Lounsbury, 2011; McDonnell, King, & Soule, 2015; Szulecki, 2018; Yildiz et al., 2015). Shareholder activism focuses on investors' response to corporate activities and performances (Gillan & Starks, 2007). It involves investors who are dissatisfied with the company's management or operation taking advantage of their role as shareholders to pressure the company to change (Bratton & Mccahery, 2015; Gillan & Starks, 2007). Cooperative board stewardship, in contrast, involves “jointly owned and democratically controlled businesses” that support renewable energy (Viardot, 2013, p. 757; see also Yildiz et al., 2015). Some of this business-focused activism involves working through transnational advocacy networks, which have been documented to target governments and corporations (Hadden & Jasny, 2017; Keck & Sikkink, 2014; McAteer & Pulver, 2009). In their comparative study of shareholder activism in the Amazon region, McAteer and Pulver come to mixed conclusions, finding that one of the shareholder advocacy networks in Ecuador was successful in limiting oil development, while the other was not (McAteer & Pulver, 2009). Other types of activism that target business practices involve environmental groups working as part of a campaign to pressure institutional investors and universities to divest from fossil fuels. Groups employ “a range of strategies to shame, pressure, facilitate, and encourage investors in general, and large institutional investors in particular, to relinquish their holdings of fossil fuel stocks in favour of climate-friendly alternatives” (Ayling & Gunningham, 2017, p. 131; Franta, 2017; Grady-Benson & Sarathy, 2016; Hestres & Hopke, 2019). Although research has yet to conclude FISHER AND NASRIN 3 of 11 that these efforts have a substantial effect on fossil fuel funding or greenhouse gas emissions (Tollefson, 2015; but see Bergman, 2018), a recent study of fossil fuel divestment and green bonds provides some evidence of success. In it, Glomsrød and Wei model green investment scenarios that include funding allocation constraints due to divestment around the world. The authors find that these efforts yield notable emissions reductions (Glomsrød & Wei, 2018, p. 7). 3.3 | Activism working within the political system Activism also frequently involves citizens working individually or in groups to take advantage of opportunities to pressure governmental actors from within the political system. These tactics involve lobbying elected officials or working to change political representation through democratic elections of candidates (for an overview, see Clemens, 1997; Schlozman, Verba, & Brady, 2012). Turning first to lobbying, there is some evidence that these efforts by civic groups have a positive effect on environmental outcomes. In their 2016 study, Olzak and colleagues find that the number of environmental lobbyist organizations has a positive effect on the enactment of environmental legislation (Olzak, Soule, Coddou, & Muñoz, 2016). Although the authors do not specifically document the effects of the legislation on material outcomes, more recent research has found climate laws to reduce carbon emissions (Eskander & Fankhauser, 2020). Even though groups representing both the general public and businesses engage in lobbying, research has found business groups have (and spend) more financial and human resources, which affords them “privileged access” to policymakers and policymaking (Freudenburg, 2005). In his study of the “climate lobby,” Brulle compares the amounts spent by different groups for lobbying around the climate issue in the U.S. Congress. He finds that the “major sectors involved in lobbying were fossil fuel and transportation corporations, utilities, and affiliated trade associations. Expenditures by these sectors dwarf those of environmental organizations and renewable energy corporations” (Brulle, 2018, p. 289; see also Farrell, 2016). In some cases, representatives from business interests that have been lobbying against environmental policies are given opportunities to join the government. This process leads to “Regulatory Capture” by the specific business interest and is found to be associated with substantial negative public and environmental health consequences (for a recent example, see Dillon et al., 2018). Activism within the political system also involves citizens working through the electoral process to affect all sorts of social change (for a discussion of engagement in electoral politics as activism, see Fisher, 2012, 2019a). In some cases, elections focus on the differences between candidates who are supportive of policies that include more aggressive climate change mitigation strategies. Although research has yet to analyze extensively the relationship between this type of election-related civic engagement and climate outcomes, there is already some evidence. For example, a 2019 study finds that individuals in the United States who installed solar panels participate more in elections (Mildenberger, Howe, & Miljanich, 2019). At the same time, other research has documented various forms of electoral backlash against climate policies, both individually (Stokes, 2016, 2020), as well as in combination with other progressive agenda items (Muradian & Pascual, 2020). In their study of the success of “far-right movements” around the world and the concurrent election of “far-right” candidates, Muradian and Pascual note that far-right-leaning elected officials tend to have low concern for environmental issues and to deny climate change and disregard scientific evidence (Muradian & Pascual, 2020). Although they do not specifically look at the environmental outcomes of these officials holding office, given their common values and the empirical evidence coming out of the early years of the Trump Administration (Bomberg, 2017; Fisher & Jorgenson, 2019), it is likely that these officials will contribute to the passage of policies that limit the effectiveness of climate-related plans, reduce enforcement of these plans, or block them outright. 3.4 | Activism outside the economic and political system At the same time, there is expansive research on the ways citizens with less access to resources and power participate by challenging the economic and political system from outside it (for an overview, see Meyer & Tarrow, 1997). These efforts include a range of more confrontational tactics, such as boycotting, striking, protesting, and direct action that target politics, policymakers, and businesses. Many studies have explained this type of activism using climate change as a case (Fisher, 2010; Hadden, 2015; Saunders, Grasso, Olcese, Rainsford, & Rootes, 2012; Swim, Geiger, & Lengieza, 2019; Wahlström, Wennerhag, & Rootes, 2013; see also Fisher, Stanley, Berman, & Neff, 2005; Walgrave, 4 of 11 FISHER AND NASRIN Wouters, Van Laer, Verhulst, & Ketelaars, 2012). So far, however, only a handful of studies have explored the effect of these tactics on climate-related outcomes (but see Muñoz, Olzak, & Soule, 2018; Olzak et al., 2016). In their research on the success of environmental legislation in the U.S. Congress, Olzak and colleagues find that some civic tactics have a more positive effect than others: while they conclude that the number of environmental lobbyist organizations is positively associated with the enactment of environmental legislation, which can lead to carbon emissions reductions, they also find that protest by constituents has no effect (Olzak et al., 2016; see also Olzak & Soule, 2009). In a 2018 piece, which uses more recent data to analyze the relationship between protest, policy, and greenhouse gas emissions across states in the United States, the authors come to different conclusions. They find that emissions in states decline when there is more pro-environmental protest (Muñoz et al., 2018).

A good deal of research has concluded that activism, including tactics such as protests or strikes played a large role in pressuring governments to create environmental laws and environmental agencies tasked with enforcing those laws around the world (Brulle, 2000; see also Longhofer, Schofer, Miric, & Frank, 2016; McCloskey, 1991; Rucht, 1999; Schreurs, 1997; Steinhardt & Wu, 2016; Wong, 2018). Moreover, research has documented how coalitions of activists achieved a degree of success when they protested environmentally damaging projects, including the Narmada Dam development in India (Khagram, 2004), and environmentally harmful nuclear power plants, dams, and airports in Japan (Aldrich, 2010). In her study of the campaign against coal mining and burning in South Africa, Cock finds that the campaign challenged inequality and generated solidarity (Cock, 2019).

4 | CLIMATE STRIKES AS A GROWING TACTIC

Climate strikes are a particular outsider tactic that aims to pressure both the political and economic system. On August 20, 2018, Greta Thunberg decided not to attend school and sit on the steps of the Swedish parliament to demand that the government take steps to address climate change (Gessen, 2018). Inspired by the national school walkout against gun violence in the United States that was organized after the Parkland School Shooting in Florida, the 15-year-old has spent her Fridays sitting with a hand-written sign protesting ever since. Fridays for Future—the name of the group coordinating this tactic of skipping school on Fridays to protest inaction on climate change—flourished due to its usage of digital technologies to engage young people and the tactic has spread.

In March 2019, the first global climate strike took place, turning out more than 1 million people around the world. Six months later in September 2019, young people and adults responded to a call by young activists to participate in climate strikes as part of the “Global Week for Future” surrounding the UN Climate Action Summit.1 The number of participants in this event globally jumped to an estimated 7.6 million people (Rosane, 2019). Figure 1 presents the growth in the tactic of climate strikes in terms of the numbers of nations where strikes have taken place and the total number of participants involved.

Even before this movement had mobilized millions to strike, a narrative synthesis of studies that focused on youth perceptions of climate change from 1993 to 2018 documented how youth voices on climate change had become much more prominent and more widely publicized (K. Lee, Gjersoe, O'Neill, & Barnett, 2020). Specific research on this movement and its consequences has yet to be published in peer-reviewed publications (but see Evensen, 2019; Fisher, 2019b; Wahlström et al., 2013). However, in a series of pieces published in the Washington Post, Fisher presents analyses of data collected from participants in climate strikes during 2019 to understand how this tactic and the movement have grown in the United States (Fisher, 2019c, 2019d).

As an outsider tactic by school-aged children that aims to pressure governments to implement more radical climate policies that will lead to emissions reductions, school strikes are a popular example of activism with the goal of having an indirect effect on climate change. Measuring the outcomes of these efforts, in terms of political outcomes and emissions reductions is extremely challenging given the indirect nature of this activism. Such calculations are made even more challenging given the scale and scope of the activism, which has mobilized millions of people to act locally to pressure governments at the local, national, and international levels. Although the overall numbers are large, most of these strikes involve relatively small proportions of overall populations.

#### UK seeking climate leadership now, and climate reform gets modeled by other T15 fossel fuel financiers

LaFortune 10/29 [Rachel, Researcher, Environment and Human Rights, “UK Needs to Provide Genuine Leadership on Fossil Fuel Financing”, 10-29-2021, https://www.hrw.org/news/2021/10/30/uk-needs-provide-genuine-leadership-fossil-fuel-financing]//pranav

In the leadup to the United Nations climate summit in Glasgow, COP26, the United Kingdom has sought to position itself as a leader in global efforts to end government support for fossil fuels. The UK’s Special Envoy to COP26, John Murton, announced earlier in October the United Kingdom’s intention to forge an alliance of governments and public-finance institutions to phase out international public finance for fossil fuels and increase support for renewables. There is no question that leadership on this critical issue is desperately needed to avert the worst climate outcomes. The question is whether the United Kingdom will do what’s necessary to deliver on this promise, and whether other top fossil fuel financers will likewise rise to the occasion. Governments should urgently be taking every possible measure to stop the flow of financial support to fossil fuels. Such support – through subsidies and public finance – artificially reduces the cost of fossil fuel exploration, production, and consumption, incentivizing further production and wasteful energy use. The International Energy Agency made clear in a 2021 report that all governments need to eliminate fossil fuel subsidies in the next few years and completely halt investment in new fossil fuel production this year to meet world climate targets. Ultimately, phasing out support for fossil fuels is a matter of governments meeting their human rights obligation to address the climate crisis. This move is key to reducing emissions and ensuring that governments can tap into their full resources to support communities bearing the brunt of climate impacts. Yet governments continue to provide billions of dollars in support for fossil fuels. From 2018 to 2020, G20 countries and the multilateral development banks they govern provided at least US$63 billion per year in international public finance for oil, gas, and coal projects, 2.5 times as much as for renewable energy. Looking at public finance along with domestic subsidies and other supports, G20 governments provided US$584 billion a year to support fossil fuels between 2017 and 2019. Positively, there is a growing movement to end international financing for coal, including a G7 commitment in June to phase out most public international finance for coal-fired power generation. The Chinese government – by far the world’s largest international public financer of coal – pledged several months later to stop building coal-fired power plants overseas, potentially signaling a significant shift. Now, with COP26 and the G20 summit just around the corner, the United Kingdom’s climate team has set the ambitious goal of eliminating not only public financing for coal, but for all fossil fuels. This is an important step, and everyone should join in. In particular, countries such as Canada – the top fossil fuel public financer – and Italy, Germany, and France – among the top 15 G20 fossil fuel financers – should embrace this commitment. But more is needed. International public finance is key, but governments should also end the billions more they provide in domestic subsidies and broader government support for fossil fuels, while protecting low-income households from associated price increases. And while joint commitments are a positive first step, they must be followed by concrete, timely action. Past commitments to phase out fossil fuel subsidies have stagnated. Despite repeated pledges, G20 governments have collectively achieved just a nine percent reduction in the billions in fossil fuel subsidies provided from the period of 2014-2016 to 2017-2019. The United Kingdom itself exhibits how commitments to eliminate government support for fossil fuels can fall short in important ways. On international public finance, the United Kingdom announced the immediate end to support for the fossil fuel sector overseas starting this year. But the plan has loopholes that will allow continued support for fossil fuels, particularly for gas. The United Kingdom is in fact continuing support for a massive gas project in Mozambique that it agreed to fund just months before its commitment to end support for fossil fuels abroad. As governments from around the world gather in Glasgow in November to chart a course forward on climate, with so much hanging in the balance, the United Kingdom and other big emitters need to break from the past and lead a new type of international collaboration to phase out support for fossil fuels. It should be marked by timely action, broad support, and clear commitments to prevent the worst climate outcomes and their impact on human rights the world over.

#### Climate strikes spur business and government climate reform – ambitions are high, but sustained strikes are key

Diggle ’19 [James, Head of Energy and Climate Change, CBI, “How the UK can compete as the world transitions to a low-carbon economy”, 11-05-2019, UKSPA, https://www.ukspa.org.uk/how-the-uk-can-compete-as-the-world-transitions-to-a-low-carbon-economy/]//pranav

The public demand for action on climate change is clear. Climate strikes and protests throughout the year, culminating in a global day of action that preceded Greta Thunberg’s appearance at the UN Climate Action Summit are making this an issue global leaders cannot ignore. This level of public concern should come as no surprise given the weight of scientific evidence coupled with the real-world impacts of a changing climate that are becoming common place around the world. But this is not just a problem for governments to solve alone. The business community is acutely aware of its role in delivering the switch to cleaner energy and low-carbon solutions for our transport, heating and industrial activity. But government does have an important role to play in setting targets and creating the environment for businesses to invest and consumers to change behaviours and adopt new technologies. In June, after compelling evidence from the Committee on Climate Change, the then Prime Minister, Theresa May, reformed legislation of the UK’s Climate Change Act to upgrade our emissions reduction targets from 80% to net-zero by 2050. The new target was backed by the CBI and the business community. Net-zero demonstrates clear UK ambitions on tackling climate change by becoming the first major economy to legislate for this level of emissions reduction. The target also brings UK legislation in line with commitments made at the Paris Climate Change Conference (COP21) in 2015. Meeting a goal of net-zero emissions by 2050 will require far-reaching changes beyond those already under way in energy, industry, buildings and transport. It means that business and government must work together avoid the most damaging effects of climate breakdown. Achieving a net-zero target will require a huge expansion of renewable and low-carbon power, mass uptake of electric cars, smarter buildings using low-carbon sources of heating, and using nature and technology to capture carbon. All this and much more will shape the future of the UK. It is important that we view the transition as an opportunity for the UK. Society stands to benefit from cleaner technology that can both improve our environment, and at the same time reduce the risks associated with a changing climate. There is an economic case too. As the country continues to debate the nature of its place in a changing world, we can be sure that becoming a leader in the technologies of the future is one way to enable a prosperous future. We can build on the success already achieved. Ambition from the business and academic community has helped the UK achieve some major milestones on the road to net-zero. A sharp reduction in the use of coal for power generation, rapid falls in the costs of onshore and offshore wind, restarting new nuclear construction, and integration of new battery storage into our electricity grid are all steps in the right direction. With the support of government policy, power sector emissions have reduced six years in a row, and are now the lowest since 1888. The lessons we learn from this success include the need for ambitious, and predictable government policy that supports market-led delivery of investment and innovation. It is a model that we must use for our other challenges, including transport and heat decarbonisation.

**UK Business action is critical for climate change and reductions don’t effect economic growth**

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So far, in the UK at least**, a reduction in emissions has had no effect on economic growth. The** Clean Growth Strategy of 2017 said Britain’s economy had expanded by two-thirds since 1990: it outpaced other G7 nations and it also did better at cutting emissions. The outlook for business **British business will not be let off the hook.** In 2018 the commercial sector was responsible for 18 per cent of CO2 emissions, just behind homes. In the same year, US industry accounted for more than a fifth of greenhouse-gas emissions, according to a Senate Democrats’ report. In its 2019 progress report, **the UK committee on climate change said: “It will be businesses that primarily deliver the net-zero target and provide the vast majority of the required investment**”, adding that policy needed to give a “clear and stable direction”. The UK, which is due to host the COP26 summit in Glasgow in November 2021, is priming companies for action with policies directed at specific sectors. At the opening of the COP26 private finance agenda in February, before Covid struck in the west, Alok Sharma, the COP26 president and UK business secretary, highlighted the need for a shift in funding**. “Only decarbonised economies”, he said, “will be able to grow through the worst impacts of climate change.”** Speaking later to business leaders, Mr Sharma noted that the **fight against climate change “has to be a joint endeavour between nations, civil society and business**”. He called on businesses to commit to targets such as sourcing 100 per cent renewable energy by 2050 and switching all vehicles to zero emissions by 2030. The climate-related shift could be as transformational as the advent of the internet. Businesses that do not adapt will be at risk, while those that embrace change will see greater opportunities. **Dr Bell describes climate change as “the greatest economic transformation in our lifetime**, because it impacts on every single industry sector. Nobody’s immune”. Andy Howard, head of sustainable investment at Schroders, the investment manager, agrees. “[Given] the scale of disruption we are talking about, there won’t be any easy wins,” he says. The Race to Zero Coalition, a global initiative under the UN Framework Convention on Climate Change, counts among its supporters more than 1,000 companies, 450 cities, 549 universities and 45 investors. Climate Action 100+, an investor initiative that started in 2017, includes more than 500 investors that urge companies into action on climate issues. CDP, which runs a disclosure system for environmental effects, publishes an annual climate action ranking of groups, based on a questionnaire; in 2020, 9,600 companies took part.

**Engagement with climate debates develops understanding of continuous climate evolution – current climate curriculum bad- we epistemologically straight turn ground level clean tech movements pragmatically necessary to solve climate.**

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As the exploratory survey presented in this article has shown, climate change presents unique challenges for legal education. It is technically complex and normatively contested, evolves at a dynamic pace and freely crosses established boundaries between academic disciplines, branches of law and levels of jurisdiction. Academic instructors therefore face difficult choices when designing a climate law curriculum. As climate law moves closer to maturity, its academic instruction is displaying a tendency towards specialisation and consolidation, just as climate change becomes increasingly mainstream across the legal curriculum. The breadth, scale and variability of climate law caution against exhaustive coverage of legal doctrine and technical detail in climate law teaching. **Engagement with** central concepts and **debates,** instead, appears more apt to **support students in developing skills** for the continuous understanding of evolving climate law and its mutual interactions with other areas of law. Equally, experiential learning methods hold greater promise as ways to prepare students for the demands of climate law practice. Priorities in climate law education will change over time as policy responses progress and climate impacts grow; by contrast, the ability to integrate evolving sets of facts and rules, a capacity for **critical reasoning and systemic legal thinking**, and sound judgment will **remain decisive skills for future climate lawyers**. Going forward, further study-including, ideally, empirical research using structured interviews and questionnaires-will be warranted to refine our understanding of how climate law is being taught at universities, and how learning can be further improved to reflect evolving needs and circumstances.

#### Resurgences in democracy are *vital* in the fight against climate change

Whiteley 11/4 [Paul Whiteley is Professor in the Department of Government at the University of Essex. LSE British Politics and Policy “Why a resurgence of democracy around the world would greatly help in the battle against climate change” 11/4/2021 <https://blogs.lse.ac.uk/politicsandpolicy/climate-change-trap/>] //aaditg

However, there is also an issue which is often unrecognised in these debates, something which can be described as the ‘climate change trap’. This is the fact that countries need to achieve a certain level of development before they can afford to tackle the issue. While poor countries do not emit much in the way of greenhouse gases, as they grow richer their emissions rapidly increase. The transition from poverty to middle income status for a country means concentrating on investment and development, leaving little in the way of resources to deal with climate change. Plans have been put in place to compensate developing countries to the extent of $100 billion a year, but unfortunately they have not been delivered. In addition, while these sums appear large, they are also a fraction of what is actually needed. Figure 1 illustrates how the climate change trap works. It shows the effect of Gross Domestic Produce per capita on carbon dioxide emissions per capita in 2018. The data is for 178 countries and comes from the World Bank. The average level of per capita emissions across these countries in that year was 4.27 tons. However, it varied widely from 0.03 tons in the Democratic Republic of the Congo to 32.4 in Qatar. The summary curve shows that emissions rise rapidly as countries climb out of poverty and then it tends to level off when they reach middle income status. The bunching of low-income countries around the summary curve shows that if they want to climb out of poverty, they have to increase carbon emissions. But as they reach middle-income or high-income status, they have a lot more choice about how to deal with emissions. This produces large variations across countries. This is illustrated by the examples of Germany and Canada, which had rather similar GDP per capita incomes of $47,787 and $46,455 respectively in 2018, yet Germany’s emissions were 8.6 tons of CO2 per capita whereas Canada’s was 15.6 tons, almost twice as much. Overall, China is the biggest polluter on the planet followed by the United States but viewed in per capita terms China had a GDP of $9,976 in 2018, whereas the US’s was $63,064. This creates a significant problem since China is some distance from becoming a high-income country. It is still a long way from the sweet spot where it becomes much easier to tackle emissions. Of course, tackling this issue is a matter of political will as much as having resources to deal with it. Equally, there are rich countries which have the resources but not the will. As Figure 1 shows, Qatar is a large outlier; Saudi Arabia and the United Arab Emirates are also in this group of high emitters. But it is also true that the United States, Australia, and Canada all produced more than 15 tons per capita of greenhouse gases in 2018. In contrast, Britain produced 6.4 tons per capita which is above average but not by as much as these other Anglo-Saxon model countries. One of the ways of improving the situation is to promote democracy. We know that democracies have fared much better at dealing with the COVID-19 pandemic than have autocratic governments. So how have democracies coped with climate change even though some of them are high emitters? The Freedom House think tank classify regimes across the world in relation to their democratic characteristics. This is judged by factors like the existence of freedom of speech, free and fair elections, the right for citizens to participate in politics, and government respect for the rule of law. They classify all countries into three categories: authoritarian, partially authoritarian and democratic. Figure 2 examines the percentage change in tons of CO2 emissions per capita across the world between 1990 and 2018 using the Freedom House categories. Overall, emissions rose by nearly 79% over this period, but there were huge differences between democracies and authoritarian regimes. In the authoritarian regimes, which included countries like Russia and China, emissions rose by nearly 112%. In partial authoritarian regimes, like Indonesia, the increase was almost the same at just over 110%. However, in democracies the increase was just under 29%. Of course, other factors are at work in explaining this, but the existence of a democratic regime really makes a difference. This is partly because democratic governments are more responsive to demands from their people to do something about environmental degradation and pollution. This often becomes a serious issue in rapidly growing countries and authoritarian regimes can more easily ignore it in pursuit of other goals, such as growth at all costs. The Freedom House data shows that democracies have been on the retreat over the last couple of decades. Their recent report shows that since 2005, the number of authoritarian countries has increased and the number of democracies has declined. The implication is that if there was a resurgence of democracy around the world, this would greatly help in the battle against climate change.