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Regs CP

#### The United States Federal Government Should Mandate a Duty to Deal Data in Good Faith on Fair, Reasonable, and Non-Discriminatory (FRAND) Terms.

#### The counterplan PICs out of the Sherman Act and the FTC and DOJ as enforcers---other agencies’ regulations solve.

Lawrence Fullerton et al. 08. Joel M Mitnick, William V Reiss, George C Karamanos and Owen H Smith. Sidley Austin LLP. Vertical Agreements The regulation of distribution practices in 34 jurisdictions worldwide. “United States.” https://www.sidley.com/-/media/files/publications/2008/03/getting-the-deal-through--vertical-agreements-2008/files/view-united-states-chapter/fileattachment/united-states-21.pdf

5 What entity or agency is responsible for enforcing prohibitions on anticompetitive vertical restraints? Do governments or ministers have a role?

The Federal Trade Commission (FTC) and the Antitrust Division of the Department of Justice (DoJ) are the two federal agencies responsible for the enforcement of federal antitrust laws. The FTC and the DoJ have jurisdiction to investigate many of the same types of conduct, and therefore have adopted a clearance procedure pursuant to which matters are handled by whichever agency has the most expertise in a particular area.

Additionally, other agencies, such as the Securities and Exchange Commission and Federal Communications Commission, maintain oversight authority over regulated industries pursuant to various federal statutes, and therefore may review vertical restraints for anti-competitive effects.

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FTC DA

#### FTC enforcing algorithmic bias now---wins with strong authority and resources

K.C. Halm 21. Partner at Davis Wright Tremaine LLP, with Nancy Libin, 4/26/21. “FTC Warns of Greater Scrutiny Over Biased AI, Offers Best Practices to Mitigate Potential Harm.” https://www.dwt.com/blogs/artificial-intelligence-law-advisor/2021/04/ftc-ai-bias-best-practices-guidance

Building on prior guidance issued in 2020, the Federal Trade Commission (FTC) recently warned in a new blog post that it will use its authority under existing laws to take enforcement action against companies that sell or use algorithms or artificial intelligence (AI) technology that results in discrimination by race or other legally protected classes. The agency urged companies developing or using AI to ensure their AI tools or applications do not result in biased outcomes because a failure to do so may result in "deception, discrimination—and an FTC [] enforcement action." The agency's latest pronouncement leaves no doubt that the FTC will be actively reviewing the market for potential bias or discrimination when AI-enabled applications and services are used to provide access to housing, credit, finance, insurance, or other important services. As our readers know, AI is emerging as a transformative technology that is enabling new systems, tools, applications, and use cases. At the same time, perceived risks arising from potential bias, discrimination, or other negative outcomes is leading regulators to look more closely at both the benefits and potential risks of the technology. To that end, the FTC is moving quickly to assert itself as a leading regulator with authority to oversee a broad range of AI providers, systems, and applications on the market. Basis of Potential AI-related FTC Enforcement Actions Three statutes provide the FTC significant authority to act in this area. Specifically, Section 5 of the FTC Act prohibits unfair or deceptive practices. The FTC's latest statement suggests that the agency believes it can use Section 5 authority, for example, to penalize entities selling or using "racially biased algorithms." Further, the agency also has authority to act under the Fair Credit Reporting Act (FCRA), which could be applied when an algorithm is used in a process that results in the denial of employment, housing, credit, insurance, or other benefits. Similarly, the Equal Credit Opportunity Act (ECOA)—which prohibits a company from using a biased algorithm that results in credit discrimination on the basis of race, color, religion, national origin, sex, marital status, age, or because a person receives public assistance—could be another basis for the agency to act. Thus, for example, if your algorithm results in credit discrimination against a protected class, you could find yourself facing a complaint alleging violations of the FTC Act and ECOA. Notably, the FTC's blog post is framed as both guidance and a reaffirmation that the FTC has been policing issues around AI and big data for many years and sends a clear signal that it intends to do so going forward. This reinforces Acting Chair Rebecca Kelly Slaughter's recent speech on algorithmic discrimination in which she cited a study demonstrating that an algorithm used with good intentions—to target medical interventions to the sickest patients—ended up funneling resources to a healthier, white population, to the detriment of sicker, patients of color. She asked the FTC staff "to actively investigate biased and discriminatory algorithms" and expressed an interest "in further exploring the best ways to address AI-generated consumer harms." Indeed, as we explained in recent blog posts, recent FTC enforcement actions reflect increased scrutiny of companies using algorithms, automated processes, and/or AI-enabled applications. The FTC's recent settlement with Everalbum is instructive in that it illustrates the agency's latest remedial tool: the so-called "disgorgement" of ill-gotten data. In the recent enforcement case, the FTC alleged that Everalbum, an app developer that used photos uploaded by users to train its facial recognition technology, failed to properly obtain users' consent. The agency also alleged that Everalbum made false statements about the users' ability to delete their photos upon deactivating their accounts. On these facts, the FTC secured a settlement and consent decree that required Everalbum to delete algorithms that used the data obtained without consent—a remedy that is akin to the "fruit of the poisonous tree" concept—and obtain consent before using facial recognition technology on user content. The FTC's latest reaffirmation of its authority to act in this area demonstrates that the agency will hold businesses accountable for using AI that may result in biased outcomes or for making promises that the technology cannot deliver. Its message is clear: "Hold yourself accountable – or be ready for the FTC to do it for you."

#### Antitrust undermines privacy enforcement.

David Hyman 19 – Professor at Georgetown University Law Center, with William E. Kovacic, “Implementing Privacy Policy: Who Should Do What?” 29 Fordham Intell. Prop. Media & Ent. L.J. 1117 (2019). https://ir.lawnet.fordham.edu/iplj/vol29/iss4/3

The case for making an enhanced FTC the national privacy regulator is straightforward. Of all U.S. privacy implementation institutions, the FTC has unequaled capacity in the form of expert case handling and policy teams and physical resources (including the development, over the past decade, of an internet laboratory to do high-quality forensic work, and the hiring of technology experts to assist in that effort). The agency’s capacity also is the product of extensive experience in applying its UDAP authority and enforcing statutes such as the FCRA and COPPA. The FTC has a broad portfolio of policy instruments (litigation, rulemaking, consumer and business education, data collection, the preparation of reports, the convening of conferences), and it has demonstrated its ability to use all of them to good effect in the privacy domain. The FTC’s stature as an independent agency gives it additional credibility in the eyes of foreign officials, who generally distrust the vesting of privacy powers in an executive department.

Within an enhanced FTC, privacy policy implementation also would be informed by the Commission’s larger experience with consumer protection. The FTC’s privacy unit is one part of its Bureau of Consumer Protection, rather than being a self-contained bureau. This reflected the institution’s reasonable view that the effort to safeguard consumer interests in “privacy” was one dimension of “consumer protection,” rather than a wholly distinct policy realm. Our impression is that many matters that involve privacy issues also raise problems that fit within other areas of the FTC’s consumer protection program. The analysis of the “privacy” issue often benefits from perspectives developed in the course of applying the agency’s deception and unfairness authority in other cases. The intertwining of privacy issues with other consumer protection concerns in many scenarios has important implications for how the mandate of a privacy agency should be defined. In whatever setting one ultimately might place a “privacy” mandate, we would expect that the host agency would have a mandate that incorporates powers that traditionally have been associated with the FTC’s broader consumer protection program.83

The FTC’s expertise in antitrust should also help it develop and enforce privacy policy. Enforcing antitrust law has given the FTC ongoing involvement in multiple high-tech markets—as well as an understanding of how competition can motivate companies to offer better privacy protections. The FTC’s work in both consumer protection and antitrust draws upon a Bureau of Economics with over 80 PhDs in economics.84 The Bureau of Economics has developed considerable skill in sub-disciplines (including behavioral economics) with special application to privacy issues.

Of course, inputs are not the same thing as outputs. The FTC has not always achieved the full integration of perspectives that the combination of these institutional capacities would permit. And, although there are policy complementarities across the domains of antitrust, consumer protection, and privacy, this combination of functions is not an unmixed blessing. An agency with all three functions might seek to use its position as a gatekeeper with respect to one policy domain to leverage concessions from firms over which it exercises oversight in another domain.85 Such temptations have been present when the FTC has applied its antitrust powers to review mergers involving companies in the information services sector.86

Finally, there is the possibility that any one of these functions might be diminished if all three are contained in the same agency. An agency focused solely on privacy will make privacy policy its single concern. An agency responsible for antitrust, consumer protection, and privacy is likely to find itself making tradeoffs as it sets priorities for how to use its resources.

#### Unchecked algorithmic bias risks massive inequality and extinction.

Mike Thomas 20. Quoting AI experts including MIT Physics Professors, Senior Features Writer for BuiltIn. THE FUTURE OF ARTIFICIAL INTELLIGENCE: 7 ways AI can change the world for better ... or worse, Updated: April 20, 2020, <https://builtin.com/artificial-intelligence/artificial-intelligence-future>

Klabjan also puts little stock in extreme scenarios — the type involving, say, murderous cyborgs that turn the earth into a smoldering hellscape. He’s much more concerned with machines — war robots, for instance — being fed faulty “incentives” by nefarious humans. As MIT physics professors and leading AI researcher Max Tegmark put it in a 2018 TED Talk, “The real threat from AI isn’t malice, like in silly Hollywood movies, but competence — AI accomplishing goals that just aren’t aligned with ours.” That’s Laird’s take, too. “I definitely don’t see the scenario where something wakes up and decides it wants to take over the world,” he says. “I think that’s science fiction and not the way it’s going to play out.” What Laird worries most about isn’t evil AI, per se, but “evil humans using AI as a sort of false force multiplier” for things like bank robbery and credit card fraud, among many other crimes. And so, while he’s often frustrated with the pace of progress, AI’s slow burn may actually be a blessing. “Time to understand what we’re creating and how we’re going to incorporate it into society,” Laird says, “might be exactly what we need.” But no one knows for sure. “There are several major breakthroughs that have to occur, and those could come very quickly,” Russell said during his Westminster talk. Referencing the rapid transformational effect of nuclear fission (atom splitting) by British physicist Ernest Rutherford in 1917, he added, “It’s very, very hard to predict when these conceptual breakthroughs are going to happen.” But whenever they do, if they do, he emphasized the importance of preparation. That means starting or continuing discussions about the ethical use of A.G.I. and whether it should be regulated. That means working to eliminate data bias, which has a corrupting effect on algorithms and is currently a fat fly in the AI ointment. That means working to invent and augment security measures capable of keeping the technology in check. And it means having the humility to realize that just because we can doesn’t mean we should. “Our situation with technology is complicated, but the big picture is rather simple,” Tegmark said during his TED Talk. “Most AGI researchers expect AGI within decades, and if we just bumble into this unprepared, it will probably be the biggest mistake in human history. It could enable brutal global dictatorship with unprecedented inequality, surveillance, suffering and maybe even human extinction. But if we steer carefully, we could end up in a fantastic future where everybody’s better off—the poor are richer, the rich are richer, everybody’s healthy and free to live out their dreams.”

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#### Anti-trust is a capitalist psy op to pacify the working class, buy time to mystify unsustainable accumulation, and map competition onto subjectivity – homo economicus devalues life.

Lebow 19 [David Lebow – Lecturer on Social Studies at Harvard University and lawyer, “Trumpism and the Dialectic of Neoliberal Reason,” Perspectives on Politics 18(2):380-398, doi:10.1017/S1537592719000434]

I. Neoliberal Reason

As Michel Foucault and others have argued, neoliberalism entails far more than an economic doctrine favoring deregulated markets.4 It is a novel form of governmentality—a rationality linked to technologies of power that govern conduct, not just through direct state action but through liberty itself.5 Not isolated to the traditionally demarcated sphere of economics, neoliberal society entails a whole economic-juridical order.

The central program of neoliberal **governmentality** is the absolute generalization of competition as a universal behavioral norm. Whereas in liberal thought, the root principle of capitalism was exchange of equivalents, for neoliberal reason it is competition entailing inequality. The key result of market processes goes from specialization to selection. The competitive market is the exclusive site of rationality. It processes information, indicated by price, and is the only mechanism of producing knowledge, defined as what is profitably utilizable. Because consumers are free to refuse inferior goods or services, the price mechanism of the market system ensures optimal solutions and maximal satisfaction of preferences.

Liberal capitalism, as Karl Polanyi argued, required the construction of “fictitious” commodities like land and labor.6 These abstract, exchangeable factors of production had to be disembedded from concrete non-market social relations, norms, and values. Instead of merely disembedding commodities, neoliberalism intervenes to make competitive mechanisms regulate every moment and point in society. It strives to build an empire of market choice that invades every domain of life, and deposes all other social, political and solidaristic institutions and values.

Neoliberalism does not allege that markets are natural; competition must be constructed. Rather than endorsing laissez-faire overseen by a night watchman, it stipulates a strong state engaged in permanent vigilance, activity, and intervention to maintain artificial competition. It must not plan outcomes, which would upset the market’s innate rationality, and must be insulated from political disturbances. Economic interventionism leads down the road to serfdom; fascism and unlimited state power are its necessary results. A “minimum of economic interventionism” on the “mechanisms of the market” must be accompanied by “maximum legal interventionism” on the “conditions of the market.”7 Fixed, formal rules make up an economic constitution that inhibits planning, repulses political disruptions, and impartially safeguards competition. The state is the executor of the market and growth is the basis of public legitimacy. Governance depoliticizes public power, promotes ostensibly post-ideological technical problem-solving by experts, and relies on “best-practices” that dissolve the distinction between public and private organization.8

Unlimited generalization of competition yields an enterprise society in which calculations of supply/demand and cost/benefit become the model of all social relations. Neoliberal reason renders homo economicus, based on this model of the enterprise, the exhaustive figuration of human subjectivity. The center of economic thought shifts from labor and processes of production, exchange, and consumption to human capital and rational decision-making under conditions of scarcity. Capital is everything that can generate future income; wages are reconceived as income from capital. Labor is no longer comprehended as a commodity exchanged for a wage, but as a combination of human capital (the worker’s education and abilities) and the income stream it generates. This neoliberal subject is an aggregate of human capital who invests in his own income-generating abilities.

Neoliberalism replaces the invariant identity of the moral person as a rights-bearing citizen with a formally empty receptacle filled up through enterprising choices. It brushes aside models of freedom as self-rule achieved through moral autonomy or popular sovereignty.9 In the neoliberal “democracy of consumers,” individual consumers together constitute the sovereign that monopolizes the issuance of legitimate commands.10 Sovereign will is expressed not through political channels, but by choices in the “plebiscite of prices.”11 Whereas producers have particular interests like protectionism, consumers have a consensual and common interest; all favor the impartial functioning of market processes. In the neoliberal free society, consumers exercise their right to choose in complete independence.

II. From Keynesian State Capitalism to Neoliberal Deregulation

Situating the 2008 crisis in a historical account of American political and economic development clarifies its broader significance. The early twentieth-century Progressives were disdainful of what they took to be the chaos and waste of fin de siècle laissez-faire society. They strove to build a new American state that would replace the structural and rights-based formalisms of the nineteenth century with direct democracy and expert administration. It took the Great Depression and New Deal to bring into full bloom the Progressive commitment to pragmatic rationality. Thereafter, the “policy state” was authorized to pursue designated social goals and develop the means to accomplish them.12 The slew of New Deal innovations included state oversight of labor negotiations, invigorated antitrust, Keynesian countercyclical deficits to stimulate demand and increase purchasing power, an expansive public sector sheltered from the business cycle, aggressive banking regulation, and social insurance. Regulation and redistribution ensured the conditions necessary for an economic system based on capital accumulation, private property, and corporate profit to endure.

To many, the differences between the New Deal and Nazi political economies appeared less significant than their common response to monopoly capitalism. Both erased boundaries between state and society by politicizing the private sphere and authorizing public bureaucracies to rationalize crisis-prone economies. Frankfurt School member Friedrich Pollock suggested that this common “state capitalism” had solved the contradiction between the forces and relations of production, and thus overcome the economy’s crisis tendencies. It seemed to him that management had become merely technical and “nothing essential” had been “left to the laws of the market.”13 Worries abounded that the private law sphere of property and contract was necessary for individual freedom. Despite salient differences between Nazi and New Deal state capitalism, many feared that intervention into society was a waystation to domination. Unease about the specter of American despotism motivated development of mechanisms to ensure that interventionism did not devolve into arbitrary rule.14 Expertise was one justification and limitation of the policy state. Authority could be safely delegated to a new corps of public-spirited administrators because their scientific knowledge would not only make them effective, but also counsel restraint. Enduring misgivings led later to new laws of administrative process. The procedural state was legitimated by its defenders as being a substantively value-neutral and instrumentally rational machine serving goals set by society. Regulatory decision-making was shunted into the abstruse procedures of courtrooms and bureaucracies. Defenders of the state emphasized that its processes of allocating authority were neutral, impartial, and open to all. The balanced accommodation of all interest groups seeking to exercise influence would yield an equilibrium corresponding to the public interest.15

The intermeshing of state and society through interest groups, agencies, and professionalized parties marginalized the public. The sovereign public opinion that Progressives had hoped would rationalize government gave way to the rationality supposedly inherent in processes of public law, public-private negotiation, and regulated markets. The state was endowed with a diffuse legitimacy in exchange for a growing economy, broad distribution, and ongoing household capacity to consume.16 The Keynesian welfare settlement pacified the working class, protecting the market economy from more radical political pressures. Newly available, mass-produced commodities encouraged leveled-down notions of citizenship as welfare clientelism and privatistic consumption. As the state expanded and routinized, the initial politicization of private property relations through public intervention developed into depoliticized economic management by lawyers and social scientists organized by administrative and judicial processes.

The terms of the social contract preserving the coexistence of capitalism and democracy had been set. In exchange for a pacified citizenry and depoliticized regulatory authority, the policy state promised to deploy instrumental reason to sustain both capital accumulation and widely distributed capacity to consume (supported, always, by the exclusion of African Americans). During the decades of postwar growth, these twin responsibilities seemed attainable and compatible. Capitalism functioned smoothly enough and potentially delegitimating inequality was clipped by inflation, tax-based welfare, and collectively negotiated wages. But in the late 1960s and early 1970s, weakening growth, stagflation, trade deficits, and the collapse of Bretton Woods revealed that state capitalism had not solved the problems of economics. As the Great Depression had enabled construction of the instrumentally rational policy state, economic disturbances in the 1970s opened the breach into which neoliberal reason entered to reconfigure the political economy. Rather than shielding rational policy-making from political pressure and assuring broadly distributed welfare, neoliberalism promised growth driven by depoliticized markets freed from regulation and downwards redistribution. Believing in the optimal rationality of competitive markets, neoliberals sought to reinvigorate capital accumulation through deregulation, lowered taxes, financialization, privatization, and market expansion.

Liberating accumulation from the restrictions and obligations incurred under state capitalism might have imperiled capitalism’s peace treaty with democracy. For deregulation to proceed without impairing the system’s legitimacy, the quid pro quo—depoliticization for consumption—had to continue. Over the ensuing decades, as Wolfgang Streeck explains, the state “bought time” by finding new ways to generate illusions of widely distributed prosperity that prolonged the capacity of the lower and middle classes to consume.17 Each successive attempt exhausted itself, leading to new and escalating disturbances. In the 1970s, inflation safeguarded social peace by compensating workers for inadequate growth until stagflation ended this mode of buying time. A subsequent reliance on public debt enabled the government to pacify conflict with borrowed money. Rising debt and balking creditors delimited this phase, which was brought to a definitive close with the Clinton administration’s social spending cuts and balanced budgets. In a final stage that dawned in the 1980s but grew increasingly paramount over time, debt-based support of purchasing power was privatized. Household spending was financed through mortgages, student loans, and credit cards. This “privatized Keynesianism” buoyed consumption up through 2008, despite cuts to social spending, falling wages, and tightening employment markets.18

Each device for upholding spending maintained the legitimacy of the depoliticized political economy, even as liberalization continued to strip the wage-dependent population of regulatory and redistributive safeguards. The end of the inflation era brought structural unemployment and weakened trade unions. The passing of the public debt regime meant cuts to social rights, privatization of social services, and a trimmed public sector. Growing private debt enabled people to hold on despite lost savings, and rising under- and unemployment. At every step, the neoliberal project was “dressed up” as a consumption project.19 Continuing consumption ensured legitimacy long enough to enact total transformation of the political economy.

The state could not buy time indefinitely. The 1970s had already witnessed the beginning of the transition from a manufacturing, production-oriented economy that exported surpluses to an import-based, finance and services economy focused on consumption. As the United States went from creditor to debtor, a system of “balanced disequilibrium” took hold.20 With impunity granted as the world’s reserve currency, the United States ran mounting budget and trade deficits. To finance them, it absorbed surplus capital from abroad, much of which wended its way to Wall Street. Banks used these profits to extend credit to the working- and middle- classes. Household debt funded consumption of imported goods, returning the surplus capital abroad, and completing the circuit of global trade. This system depended on the unsustainable condition of ever-increasing debt-based consumption. Consumption was notoriously reinforced by secondary markets in what was essentially private money (securitized derivatives and collateralized debt obligation) that was much riskier than assumed. Because increasingly irresponsible lending was integral to continuing the consumption that stabilized the macroeconomic system, it became a sort of vicious collective good that progressively magnified the scale of the inevitable crash.21 When in 2008 the debt finally proved unserviceable and the housing bubble burst, the private money disappeared and the disequilibrated global economic system fell into crisis.

Consumption based on private debt had provided an unstable bridge over the yawning inequality brought about by deregulation, financialization, globalization, and the diminished welfare state. When the 2008 crisis dried up credit, it revealed a divided “dual economy.”22 On one side is the primary sector of elite, highly-educated professionals who are collected in coastal urban centers and tied in to corporate management, technological innovation and oversight of global capital flows. On the other is the secondary sector of low-skilled workers primarily fixed in the heartland, for whom deregulated competition has brought under- or unemployment, job instability, depressed wages, exploding debt, and diminished prospects.

Unable to buy more time, the state’s breach of the postwar social contract has been exposed. The neoliberal system of capital accumulation was entrenched at the expense of broad and sustainable consumption. The results have been the politicization of defrauded citizens and a political economy plunged into legitimation crisis. Time has belied the premature conclusion that contradiction and crisis potential had been overcome by state capitalism. Contradiction was relocated into cross-cutting imperatives for the state to enable capital accumulation and distribute consumption. In hindsight, we find only a window of stabilization of an enduring crisis potential built into capitalist political economy. As Nancy Fraser puts it “on the one hand, legitimate, efficacious public power is a condition of possibility for sustained capital accumulation; on the other hand, capitalism’s drive to endless accumulations tends to destabilize the very public power on which it relies.”23 The political fallout from the 2008 crisis marks the end of the postwar social contract that had established conditions ensuring the continued coexistence of capitalism and democracy.

#### Capitalism collapses soil---causes extinction

Fred Magdoff and Farooque Chowdhury 6/30/21. Fred Magdoff is professor emeritus of plant and soil science at the University of Vermont. Farooque Chowdhury is a freelance writer based in Dhaka. "Soil ecology and capitalism agriculture: Fred Magdoff interviewed by Farooque Chowdhury". MR Online. 6-30-2021. https://mronline.org/2021/06/30/soil-ecology-and-capitalism-agriculture-fred-magdoff-interviewed-by-farooque-chowdhury/

FC: You, in the book, have claimed that an article by three scientists in Vermont Agricultural Experiment Station Bulletin No. 135, (1908) “is strikingly modern in many ways.” You have also claimed that Edward Faulkner’s Plowman’s Folly is as valid today as in 1943 when it was first published.” After so many years, more than a century, and more than 70 years, how such claims stand as, by this time, capitalism has turned more aggressive, more intensive, more wide; its clawing of everything including soil has turned more brutal? How do you substantiate your claim?

FM: There is a mountain of evidence that supports the claims you mentioned. Many articles in recent scientific journals and books indicate both the profound importance of soil organic matter (as claimed in the 1908 publication) and the value of greatly reducing soil disturbance that commonly occurs when farmers plow and harrow soils to prepare for planting (as Faulkner claimed in the 1940s). Some farmers are already using these ideas to improve their practices.

Agriculture that developed under the conditions of capitalism in the United States and Europe, emphasized production of undifferentiated commodities to sell into regional, national, and international markets. The emphasis and incentives of the system lead toward many problematic practices such as mono-cropping: growing the same crop again and again without rotation and covering large areas of land with a single crop. These lead to loss of soil fertility, biodiversity, and water storage capability. It also leads to soil compaction and creates conditions that promote outbreaks of organisms that harm plants (usually referred to as pests). There are also built-in incentives to create ever-larger farms, putting small farmers out of business. In other words, ecological and social conditions are mostly ignored in a system in which production for profit is the goal. However, farmer experience and scientific evidence indicate that we know how to grow an abundance of food using ecologically sound methods. What’s needed is a system that not only encourages such an approach and has a goal of providing everyone with a varied and wholesome diet.

FC: In the book, you write, “Many civilizations have collapsed from unsustainable land use, including the cultures of the Fertile Crescent in the Middle East, where the agricultural revolution first occurred about 10,000 years ago. The United Nations estimates that 2.5 billion acres have suffered erosion since 1945 and that 38% of global cropland has become seriously degraded since then.” And, “In the past, humankind survived because people developed new lands. But a few decades ago the total amount of agricultural land actually began to decline as new land could no longer compensate for the loss of old land.” And, “We […] are running out of land. We have already seen hunger and civil strife […] over limited land resources and productivity, and a global food crisis break out in 2008. Some countries with limited water or arable land are purchasing or renting land in other countries to produce food for the ‘home’ market.”And, “The food we eat and our surface and groundwaters are sometimes contaminated with disease-causing organisms and chemicals […] Pesticides […] can be found in foods, animal feeds, groundwater, and surface water running off agricultural fields. Farmers and farm workers are at special risk. […] [H]igher cancer rates among those who work with or near certain pesticides. Children […] are also at risk of having developmental problems.” And, “[F]armers are in a perpetual struggle to maintain a decent standard of living.” How do you relate these issues in the book?

FM: The book’s purpose was not to go into details about the ecological damage done by conventional agricultural practices. Rather it was to discuss how to manage an agroecosystem holistically in order to try to avoid such problems. Thus, we only briefly point out the damage caused by the lack of attention to ecological principles as agriculture developed under the constraints and incentives of the profit motive. The dramatic increase in the use of pesticides in the 20th century took place in the context of ever larger fields, decreased emphasis is on crop rotation, and ignoring soil health. Each occurrence of an insect or disease or weed that might harm crops as was treated as a separate issue, each dealt with by applying pesticides, the suggested approach of the agro-chemical corporations (who, of course, profit from sales of these materials). However, the problems of soil degradation and pest outbreaks that plague farming are primarily the result of inadequate and un-ecological management of farms and fields–lack of good rotations and/or polycropping, not using cover crops, intensively tilling soil, and so on.

FC: The issues you have addressed in the book are related to, if I’m not wrong, a particular type of agriculture–a capitalist agriculture, an agriculture defined by imperialist world market system. It’s the reality irrespective of country, other than a few, in today’s world. Does the book signal this?

FM: The forces of capitalist economies tend to push farmers in certain directions such as mono-cropping, selecting crops based on expected short-term return and not towards what is needed for promoting a balanced ecosystem that can feed all the people in the community, region, or country. In addition, the agri-chemical industry that developed in the 20th century provides much of the information that is readily available to farmers. They, of course, push the use of inputs that they can profit from–especially fertilizers, pesticides, and proprietary seeds (many of which are GM). On the other hand, as we stress in the book, ecological approaches aim towards prevention of problems through management practices that build strong and resilient agroecosystems.

FC: The book says: “The whole modern system of agriculture and food is based on extensive use of fossil fuels […] With the price of energy so much greater than just a few years ago, the economics of the ‘modern’ agricultural system may need to be reevaluated.” So, it means, there’s politics. Am I wrong?

FM: You are not wrong. The current system of large-scale production and intensive use of inputs from off the farm is expensive. And it is not just the fuel used on the farm; a significant amount of energy goes into production of nitrogen fertilizers as well as other inputs.

The system especially harms small farms. Large farmers have economies of scale on use of large equipment. They also have other advantages; because of the quantity of inputs they purchase, they usually get discounts. And when they sell their products they may actually receive more per unit. Thus, there are economic advantages of scale as well as the physical advantages of scale such as using a tractor over more acres. And, of course, being highly mechanized, they produce more per hour of labor than do smaller size farms.This means that they can make profits on lower prices than a smaller farm is able to. This is why smaller farms tend to be pushed out of existence as the number and size of large farms grows.

Any challenge to an entrenched system such as that of “modern” agriculture means confronting powerful economic and political forces that promote and profit from the current system. This means that farmers and farm organizations need to counter these forces politically as well as directly working through organizations to implement new ecologically-based practices. And there are organizations doing this in countries around the world. On all continents there are groups that are promoting agroecology, which promotes both ecologically sound practices and progressive social relations. (A short video about the global reach of agroecology: https://www.youtube.com/watch?v=uqfInrTfs-U)

FC: What should the small/marginal farmers, in the face of invasion of large industrial agriculture companies—or we may call these industrial-agriculture complex in view of their world-wide operations beginning from production of inputs used on farms to farming (the actual production) to marketing and their control over policies of state machines—do to survive? Isn’t it a struggle for humankind’s survival, a struggle against capital’s scourging of soil–a base for survival?

#### Vote neg for anti-capitalist commons – collectives should refuse commitments to competitive principle and the straitjacket of what’s “realistic”

Rose 21 [Nick. PhD in Political Ecology from RMIT University. Executive Director of Sustain: The Australian Food Network. From the Cancer Stage of Capitalism to the Political Principle of the Common: The Social Immune Response of “Food as Commons.” Int J Health Policy Manag 2021. 3-31-21. DOI: 10.34172/ijhpm.2021.20 //shree]

Silvia Federici provides a longer historical perspective, noting that ‘commoning is the principle by which human beings have organised their existence for thousands of years;’ and that to ‘speak of the principle of the common’ is to speak ‘not only of small-scale experiments [but] of large-scale social formations that in the past were continent-wide.’87 Hence a commons-based society is neither a utopia or reducible to fringe projects, and the commons have persisted despite the many and continuing enclosures, ‘feeding the radical imagination as well as the bodies of many commoners.’87 Federici acknowledges that commons and practices of commoning are diverse, that many are susceptible to cooptation and many are consistent with the persistence of capitalism; indeed some, such as charities providing social services (including foodbanks) during the years of austerity budgets in the United Kingdom (2010-2015), reinforce and stabilise capitalism.87 What matters to Federici is the character and intentionality of the commons as anti-capitalist, as ‘a means to the creation of an egalitarian and cooperative society…no longer built on a competitive principle, but on the principle of collective solidarity [and commitments] to the creation of collective subjects [and] fostering common interests in every aspect of our lives.’87

Federici’s analysis resonates with the political thought and proposals developed by Dardot and Laval in their 2018 work, ‘On Common: Revolution in the 21st century.’11 For Dardot and Laval, the common is likewise understood as a principle of political struggle, a demand for ‘real democracy’ and a major driving force behind the emerging articulation of a political vision and programme that transcends and overcomes the straitjacket logic of neoliberal ideological hegemony and its ‘policy grammar’ which appears to foreclose all alternatives and lock us forever into a capitalist realism in which ‘it is easier to imagine the end of the world than it is to imagine the end of capitalism.’89 Eschewing Bollier’s ‘triarchy’ of a market/state/ commons coexistence, Dardot and Laval argue for a politics of the common based on an engaged citizenry that directly participates and deliberates in all decisions which impact it, and in the process not merely transforms the institutions responsible for the management of services and allocation of resources, but creates new institutions and new ways of being in the world.11

Dardot and Laval describe this form of politics as ‘instituent praxis’: the common, they argue, is ‘not produced but instituted.’11 This acknowledges the conventional understanding of Ostrom, Bollier and others of ‘the commons’ as residing in the rules – the laws – that a community establishes for the collective management and use of shared resources, but extends it much further and in a more radical direction. The essence of the commons, they argue, is not in the goods per se such as land or a forest or a seed bank ‘held in common,’ but rather in the process of their establishment as well as the ongoing negotiation that will surround their use and governance. Hence, Dardot and Laval distinguish the commons from the ‘rights’ tradition of property, arguing that ‘the commons are above all else matters of institution and government…the use of the commons is inseparable from the right of deciding and governing. The practice that institutes the commons is the practice that maintains them and keeps them alive and takes full responsibility for their conflictuality through the coproduction of rules.’90 To ‘institute’ in this context should not be misunderstood as ‘to institutionalise [or] render official;’ rather it is ‘to recreate with, or on the basis of, what already exists.’ 90 This messy, conflictual and evolving process is what Dardot and Laval insist will ultimately bring about a revolution, not in the form of a violent uprising or insurrection, but rather through the ‘reinstitution of society’ via the transformation of politics and economy from its current state of ‘representative oligarchy’ to full participatory and deliberative democracy.11 Such a vision is premised on a mass politicisation of society; in effect a return of mass popular political contestation and a turn away from the postpolitical era of the neoliberal consumer.91-92

### OFF

States CP

#### The fifty states and all relevant territories should Mandate a *Duty to Deal* Data in *Good Faith* on Fair, Reasonable, and Non-Discriminatory (*FRAND*) Terms.

#### States can pursue autonomous anti-trust enforcement even when conflicting with federal law.

Erik **Knudsen 20.** Erik G. Knudsen is a partner in the Corporate Department and Private Equity Buyouts & Investment Group. Erik focuses his practice on complex business transactions, including leveraged buyouts, strategic mergers, acquisitions, investments and joint ventures, reorganizations, growth equity and venture capital investments, and divestitures. He has led transactions in a wide variety of industries, including healthcare, internet, technology, real estate, distribution and manufacturing. "Trends In State Antitrust Enforcement: Colorado Expands Attorney General’s Authority To Challenge Transactions On Competition Grounds." JD Supra. 4-16-2020. https://www.jdsupra.com/legalnews/trends-in-state-antitrust-enforcement-42950

At the federal level, the U.S. antitrust laws—including the Sherman Act and the Clayton Act, which governs mergers and acquisitions—are enforced by the FTC and DOJ. States also have antitrust laws, which are enforced by state AGs and are often patterned after their federal analogs, but can contain important differences. States frequently collaborate with the federal antitrust agencies and/or other states on merger investigations. However, the Supreme Court has recognized that states are not required to do so, and have the right to make enforcement decisions that differ from other federal and state authorities.[[3]](https://www.jdsupra.com/legalnews/trends-in-state-antitrust-enforcement-42950/#_ftn3) States have sometimes exercised this authority in order to “fill the gap” of perceived under-enforcement at the federal level. For example, in June 2017, the California AG sued to block Valero Energy Partners LP’s acquisition of two petroleum terminals in Northern California, despite the FTC’s decision not to challenge the deal. Several months later, the parties abandoned the transaction. More broadly, in recent years, there has been a growing trend of robust and autonomous state antitrust enforcement, as illustrated by major investigations and enforcement actions by state coalitions in the healthcare, pharmaceutical, telecom, and technology sectors, among others. Consistent with this trend, Colorado AG Phil Weiser—who previously served as Deputy Assistant Attorney General in the DOJ Antitrust Division under the Obama administration—has affirmed his commitment to “protecting all Coloradans from anticompetitive consolidation and practices…whether or not the federal government acts to protect Coloradans.” In keeping with this mandate, the Amendment will bring Colorado increasingly in line with states such as California and New York that have demonstrated an appetite for aggressive, independent antitrust enforcement, even where it may depart (or conflict) with federal action.

### OFF

Politics

#### Reconciliation bill passes now, but Biden’s PC key to moderate’s votes. Solves warming

Emma Dumain, 11-8-2021, "Democrats cheer reconciliation vote, but big fights remain," E&E News, https://www.eenews.net/articles/democrats-cheer-reconciliation-vote-but-big-fights-remain/

Congressional Democrats painted a rosy view this past weekend of the prospects for swift legislative action on their massive, $1.7 trillion climate and social spending package.

From the White House on Saturday, President Biden said without equivocation, “We will pass this in the House, and we’ll pass it in the Senate.”

From Glasgow, Scotland, on a panel at the United Nations climate talks, Sen. Ed Markey (D-Mass.) said his message to the entire international community was that the Senate would ultimately get the votes to advance the reconciliation bill, enabling Biden to meet his goal of achieving 50 percent emissions reductions below 2005 levels by the year 2030.

“We will get this job done,” said Markey of legislation that would invest roughly $550 billion to fight the climate crisis — the biggest federal investment in the environment in history.

And yesterday, White House chief of staff Ron Klain hammered the point home: “We are going to lead the world in tackling climate change,” he said on on NBC’s “Meet The Press,” adding, “We’re going to pass this bill and have the tools to do it.”

But simmering beneath this optimism are real uncertainties as to how lingering disagreements over the cost and content of the reconciliation bill, known as the “Build Back Better Act,” will get resolved and fulfill the many promises on climate action Democrats intend to tout in Glasgow over the next several days.

This past Friday, progressives finally agreed to clear the separate, $1 trillion bipartisan infrastructure package for the president’s signature, even without ironclad commitments from moderate Democratic Sens. Joe Manchin of West Virginia and Kyrsten Sinema of Arizona that they would vote for the separate, partisan bill. Those commitments had been a hard line that liberals had held on to for weeks.

Meanwhile, another dilemma emerged: House Democratic moderates said they would not support the reconciliation bill until it had received an official cost estimate from the nonpartisan Congressional Budget Office.

House Democratic leadership ultimately culled together the votes to pass the bipartisan infrastructure bill, 228-206, with all but six Democrats supporting and with help from 13 Republicans to make up the shortfall. Moderates essentially promised progressives they’d vote for the reconciliation bill once the CBO score is finalized.

At the same time, Congress took a procedural step, 221-213, regarding the reconciliation bill to bring that measure closer to a final passage vote the week of Nov. 15, when the House returns following the Veterans Day recess.

Rep. Josh Gottheimer (D-N.J.), one of the moderates who insisted the reconciliation bill be scored prior to a vote, said on CNN’s “State of the Union” yesterday he expected the score to be in line with White House projections, in which case he and his colleagues would back the bill as soon as next week.

Party leaders, however, are taking a tremendous gamble that the CBO score will be sufficient. They are now working against a much tighter deadline to resolve intraparty differences on multiple policy proposals by the year’s end, where the final weeks of December will also be consumed by other legislative battles relating to the appropriations process and the debt ceiling.

They are also putting tremendous trust in Biden’s ability to convince Manchin and Sinema to support the larger spending package, about which Manchin has expressed serious reservations while Sinema has stayed mostly mum.

#### Antitrust reform requires PC and trades off with other legislative priorities.

Peter C. Carstensen 21, the Fred W. & Vi Miller Chair in Law Emeritus, University of Wisconsin Law School, February 2021, “THE “OUGHT” AND “IS LIKELY” OF BIDEN ANTITRUST,” https://www.concurrences.com/en/review/issues/no-1-2021/on-topic/the-new-us-antitrust-administration-en

14. Similarly, despite bipartisan murmurs about competitive issues, the potential in a closely divided Congress that any major initiatives will survive is limited at best. In part the challenge here is how the Biden administration will rank its commitments. If it were to make reform of competition law a major and primary commitment, it would have to trade off other goals, which might include health care reform or increases in the minimum wage. It is likely in this circumstance the new administration, like the Obama administration’s abandonment of the pro-competitive rules proposed under the PSA, would elect to give up stricter competition rules in order to achieve other legislative priorities.

15. Another key to a robust commitment to workable competition is the choice of cabinet and other key administrative positions. Here as well, the early signs are not entirely encouraging. In selecting Tom Vilsack to return as secretary of agriculture, the president has embraced a friend of the large corporate interests dominating agriculture who has spent the last four years in a highly lucrative position advancing their interests. Given the desperate need for pro-competitive rules to implement the PSA and control exploitation of dairy farmers through milk-market orders, the return of Vilsack is not good news. Who will head the FTC and who will be the attorney general and assistant attorney general for antitrust is still unknown, but if those picks are also centrists with strong links to corporate America the hope for robust enforcement of competition law will further attenuate!

16. In sum, this is a pessimistic prognostication for the likely Biden antitrust enforcement agenda. There is much that ought to be done. But this requires a willingness to take major enforcement risks, to invest significant political capital in the legislative process, and to select leaders who are committed to advancing the public interest in fair, efficient and dynamically competitive markets. The early signs are that the new administration will be no more committed to robust competition policy than the Obama administration. Events may force a more vigorous policy—I will cling to that hope as the Biden administration takes shape.

#### Unchecked climate change causes extinction.

Bill McKibben 19. Schumann Distinguished Scholar at Middlebury College; fellow of the American Academy of Arts and Sciences; holds honorary degrees from 18 colleges and universities; Foreign Policy named him to their inaugural list of the world’s 100 most important global thinkers. "This Is How Human Extinction Could Play Out." Rolling Stone. 4-9-2019. https://www.rollingstone.com/politics/politics-features/bill-mckibben-falter-climate-change-817310/

Oh, it could get very bad.

In 2015, a study in the Journal of Mathematical Biology pointed out that if the world’s oceans kept warming, by 2100 they might become hot enough to “stop oxygen production by phyto-plankton by disrupting the process of photosynthesis.” Given that two-thirds of the Earth’s oxygen comes from phytoplankton, that would “likely result in the mass mortality of animals and humans.”

A year later, above the Arctic Circle, in Siberia, a heat wave thawed a reindeer carcass that had been trapped in the permafrost. The exposed body released anthrax into nearby water and soil, infecting two thousand reindeer grazing nearby, and they in turn infected some humans; a twelve-year-old boy died. As it turns out, permafrost is a “very good preserver of microbes and viruses, because it is cold, there is no oxygen, and it is dark” — scientists have managed to revive an eight-million-year-old bacterium they found beneath the surface of a glacier. Researchers believe there are fragments of the Spanish flu virus, smallpox, and bubonic plague buried in Siberia and Alaska.

Or consider this: as ice sheets melt, they take weight off land, and that can trigger earthquakes — seismic activity is already increasing in Greenland and Alaska. Meanwhile, the added weight of the new seawater starts to bend the Earth’s crust. “That will give you a massive increase in volcanic activity. It’ll activate faults to create earthquakes, submarine landslides, tsunamis, the whole lot,” explained the director of University College London’s Hazard Centre. Such a landslide happened in Scandinavia about eight thousand years ago, as the last Ice Age retreated and a Kentucky-size section of Norway’s continental shelf gave way, “plummeting down to the abyssal plain and creating a series of titanic waves that roared forth with a vengeance,” wiping all signs of life from coastal Norway to Greenland and “drowning the Wales-sized landmass that once connected Britain to the Netherlands, Denmark, and Germany.” When the waves hit the Shetlands, they were sixty-five feet high.

There’s even this: if we keep raising carbon dioxide levels, we may not be able to think straight anymore. At a thousand parts per million (which is within the realm of possibility for 2100), human cognitive ability falls 21 percent. “The largest effects were seen for Crisis Response, Information Usage, and Strategy,” a Harvard study reported, which is too bad, as those skills are what we seem to need most.

I could, in other words, do my best to scare you silly. I’m not opposed on principle — changing something as fundamental as the composition of the atmosphere, and hence the heat balance of the planet, is certain to trigger all manner of horror, and we shouldn’t shy away from it. The dramatic uncertainty that lies ahead may be the most frightening development of all; the physical world is going from backdrop to foreground. (It’s like the contrast between politics in the old days, when you could forget about Washington for weeks at a time, and politics in the Trump era, when the president is always jumping out from behind a tree to yell at you.)

But let’s try to occupy ourselves with the most likely scenarios, because they are more than disturbing enough. Long before we get to tidal waves or smallpox, long before we choke to death or stop thinking clearly, we will need to concentrate on the most mundane and basic facts: everyone needs to eat every day, and an awful lot of us live near the ocean.

FOOD SUPPLY first. We’ve had an amazing run since the end of World War II, with crop yields growing fast enough to keep ahead of a fast-rising population. It’s come at great human cost — displaced peasant farmers fill many of the planet’s vast slums — but in terms of sheer volume, the Green Revolution’s fertilizers, pesticides, and machinery managed to push output sharply upward. That climb, however, now seems to be running into the brute facts of heat and drought. There are studies to demonstrate the dire effects of warming on coffee, cacao, chickpeas, and champagne, but it is cereals that we really need to worry about, given that they supply most of the planet’s calories: corn, wheat, and rice all evolved as crops in the climate of the last ten thousand years, and though plant breeders can change them, there are limits to those changes. You can move a person from Hanoi to Edmonton, and she might decide to open a Vietnamese restaurant. But if you move a rice plant, it will die.

A 2017 study in Australia, home to some of the world’s highest-tech farming, found that “wheat productivity has flatlined as a direct result of climate change.” After tripling between 1900 and 1990, wheat yields had stagnated since, as temperatures increased a degree and rainfall declined by nearly a third. “The chance of that just being variable climate without the underlying factor [of climate change] is less than one in a hundred billion,” the researchers said, and it meant that despite all the expensive new technology farmers kept introducing, “they have succeeded only in standing still, not in moving forward.” Assuming the same trends continued, yields would actually start to decline inside of two decades, they reported. In June 2018, researchers found that a two-degree Celsius rise in temperature — which, recall, is what the Paris accords are now aiming for — could cut U.S. corn yields by 18 percent. A four-degree increase — which is where our current trajectory will take us — would cut the crop almost in half. The United States is the world’s largest producer of corn, which in turn is the planet’s most widely grown crop.

Corn is vulnerable because even a week of high temperatures at the key moment can keep it from fertilizing. (“You only get one chance to pollinate a quadrillion kernels of corn,” the head of a commodity consulting firm explained.) But even the hardiest crops are susceptible. Sorghum, for instance, which is a staple for half a billion humans, is particularly hardy in dry conditions because it has big, fibrous roots that reach far down into the earth. Even it has limits, though, and they are being reached. Thirty years of data from the American Midwest show that heat waves affect the “vapor pressure deficit,” the difference between the water vapor in the sorghum leaf’s interior and that in the surrounding air. Hotter weather means the sorghum releases more moisture into the atmosphere. Warm the planet’s temperature by two degrees Celsius — which is, again, now the world’s goal — and sorghum yields drop 17 percent. Warm it five degrees Celsius (nine degrees Fahrenheit), and yields drop almost 60 percent.

It’s hard to imagine a topic duller than sorghum yields. It’s the precise opposite of clickbait. But people have to eat; in the human game, the single most important question is probably “What’s for dinner?” And when the answer is “Not much,” things deteriorate fast. In 2010 a severe heat wave hit Russia, and it wrecked the grain harvest, which led the Kremlin to ban exports. The global price of wheat spiked, and that helped trigger the Arab Spring — Egypt at the time was the largest wheat importer on the planet. That experience set academics and insurers to work gaming out what the next food shock might look like. In 2017 one team imagined a vigorous El Niño, with the attendant floods and droughts — for a season, in their scenario, corn and soy yields declined by 10 percent, and wheat and rice by 7 percent. The result was chaos: “quadrupled commodity prices, civil unrest, significant negative humanitarian consequences . . . Food riots break out in urban areas across the Middle East, North Africa, and Latin America. The euro weakens and the main European stock markets lose ten percent.”

At about the same time, a team of British researchers released a study demonstrating that even if you can grow plenty of food, the transportation system that distributes it runs through just fourteen major choke-points, and those are vulnerable to — you guessed it — massive disruption from climate change. For instance, U.S. rivers and canals carry a third of the world’s corn and soy, and they’ve been frequently shut down or crimped by flooding and drought in recent years. Brazil accounts for 17 percent of the world’s grain exports, but heavy rainfall in 2017 stranded three thousand trucks. “It’s the glide path to a perfect storm,” said one of the report’s authors.

Five weeks after that, another report raised an even deeper question. What if you can figure out how to grow plenty of food, and you can figure out how to guarantee its distribution, but the food itself has lost much of its value? The paper, in the journal Environmental Research, said that rising carbon dioxide levels, by speeding plant growth, seem to have reduced the amount of protein in basic staple crops, a finding so startling that, for many years, agronomists had overlooked hints that it was happening. But it seems to be true: when researchers grow grain at the carbon dioxide levels we expect for later this century, they find that minerals such as calcium and iron drop by 8 percent, and protein by about the same amount. In the developing world, where people rely on plants for their protein, that means huge reductions in nutrition: India alone could lose 5 percent of the protein in its total diet, putting 53 million people at new risk for protein deficiency. The loss of zinc, essential for maternal and infant health, could endanger 138 million people around the world. In 2018, rice researchers found “significantly less protein” when they grew eighteen varieties of rice in high–carbon dioxide test plots. “The idea that food became less nutritious was a surprise,” said one researcher. “It’s not intuitive. But I think we should continue to expect surprises. We are completely altering the biophysical conditions that underpin our food system.” And not just ours. People don’t depend on goldenrod, for instance, but bees do. When scientists looked at samples of goldenrod in the Smithsonian that dated back to 1842, they found that the protein content of its pollen had “declined by a third since the industrial revolution — and the change closely tracks with the rise in carbon dioxide.”

Bees help crops, obviously, so that’s scary news. But in August 2018, a massive new study found something just as frightening: crop pests were thriving in the new heat. “It gets better and better for them,” said one University of Colorado researcher. Even if we hit the UN target of limiting temperature rise to two degrees Celsius, pests should cut wheat yields by 46 percent, corn by 31 percent, and rice by 19 percent. “Warmer temperatures accelerate the metabolism of insect pests like aphids and corn borers at a predictable rate,” the researchers found. “That makes them hungrier[,] and warmer temperatures also speed up their reproduction.” Even fossilized plants from fifty million years ago make the point: “Plant damage from insects correlated with rising and falling temperatures, reaching a maximum during the warmest periods.”

### OFF

Rulemaking CP

#### Text: The United States federal government should delegate antitrust rulemaking authority to a new expert agency. The agency should begin notice-and-comment rulemaking to Amend Section 2 of the Sherman Antitrust Act to Mandate a Duty to Deal Data in Good Faith on Fair, Reasonable, and Non-Discriminatory (FRAND) Terms.

#### Solves the case, engages notice and comment.

Rebecca Haw 11. Climenko Fellow and Lecturer on Law, Harvard Law School. J.D., Harvard Law School, 2008; M. Phil, Cambridge University, 2005; B.A., Yale University, 2001."Amicus Briefs and the Sherman Act: Why Antitrust Needs a New Deal." Texas Law Review, vol. 89, no. 6, May 2011, p. 1247-1292. HeinOnline.

Without the informational benefits of expertise and notice-and-comment rulemaking, the Court may be a poor choice to define the broad proscriptions of the Sherman Act. Framed this way, the problem has an obvious solution: give the power to interpret the Act to an expert agency.240 This idea has academic support already, 241 and the case for it is strengthened by this Article's observation that the Court has tried to approximate administrative decision making by relying on amicus briefs. The obvious candidates for reallocation are the two existing antitrust agencies: the Department of Justice's Antitrust Division and the FTC.

A. The Agency Solution

Using agencies to give specific meaning to American antitrust's most important statute means avoiding the problems with the Court's current quasi-administrative process for rulemaking. As adjudicators, agency experts would know what kind of economic evidence is necessary for an efficient solution and would be better able to understand it when it is presented by the parties. Repeat exposure to antitrust cases would only reinforce this advantage, while also giving the administrative judges a broader perspective on what kinds of conflicts commonly arise in competition law, a perspective necessary for efficient policy making in the first instance. A Supreme Court Justice hears about one antitrust case a year, hardly the cross section of controversies necessary to make efficient economic policy writ large.

Agencies could take policy making a step further using notice-and-comment rulemaking. Unlike in adjudication, regulation by rulemaking can be initiated without the formal requirements of a case or controversy and a proper appeal to the Supreme Court. Informal letters of complaint could spark an investigation. A rule-making agency could announce its intention to regulate publicly and provide a convenient venue for, or even solicit, expert opinions on the economic impact of the proposed rule. Not only would it have the benefit of these numerous perspectives, but it would also have the obligation to respond to them in a reasoned manner. Its rule would be subject to judicial review, affording an opportunity to catch mistakes 242 or invalidate rules that do nothing but deliver rents to special interests.

Another advantage of rulemaking, an option for agencies but not for the Court, since it only operates through adjudication, is that rulemaking regulates behavior ex ante, while resolution of economic policy through cases is necessarily ex post. Antitrust courts worry obsessively about "chill"--deterring procompetitive behavior with overly broad rules for liability.2 43 In fact, the overruling of Dr. Miles in Leegin implies that the entire twentieth century was a period of inefficient business practices and stunted innovation in distribution because of an early misunderstanding of RPM. Only after a long and expensive period of litigation was Leegin redeemed for breaking the law by effecting a change in the law, and only after Leegin was issued were similar firms, perhaps walking the Colgate line better than Leegin, redeemed for wanting some control over their product's ultimate retail price.24 4 The problem of ex post rulemaking is made worse by the treble damages afforded successful plaintiffs suing under the Sherman Act.2 4 5 To create a new form of liability, the Court has to punish a firm threefold for complying with standing antitrust norms. Thus Supreme Court lawmaking in antitrust is a kind of one-way ratchet.246

The result of the current ex post scheme is that "antitrust law leaves considerable gaps between what is permissible and what is optimal." 2 47 With judges making the rules one case at a time, this gap is justifiable. As discussed above, when judges are not economically sophisticated enough to know where "optimal" lies, 24 8 laissez-faire is a very inexpensive regulatory regime for courts to follow, and raising the level of regulation would effect a kind of taking of property from firms operating under the status quo. So if the Court is making antitrust policy, laissez-faire may be the only sensible approach. But that is not to say that it is the most sensible approach. An agency could provide firms with the necessary clarity-ex ante-that they need when conducting business in a world where competitive behavior so closely resembles anticompetitive conduct. The current state of affairs is that much more is illegal on the books than antitrust lawyers think is actually likely to be struck down in a court.24 9 Lawyers thrive in such a legally uncertain world, but firm efficiency suffers.

#### Key to democracy and court acquiescence---notice and comment engages participants and creates deference.

Harry First and Spencer Weber Waller 13. Harry First, New York University School of Law. Spencer Weber Waller, Loyola University Chicago School of Law. “Antitrust’s Democracy Deficit”. Fordham Law Review, Volume 81 Issue 5 Article 13. https://ir.lawnet.fordham.edu/cgi/viewcontent.cgi?article=4890&context=flr

Redressing antitrust’s democracy deficit on the procedural side can be done with the tools of administrative law. Administrative law is the body of law that controls the procedures of governmental decision making.151 It allows interested persons to participate in decisions that affect their interests. Normally, it requires appropriate notice, the right to be heard, fair procedures, protection of fundamental rights, and judicial review of the resulting decision. These basic features are present in the administrative laws of most foreign legal systems and are part of a growing international consensus.152 The tradeoff is that the decisions of administrative agencies that properly follow these strictures normally are granted a degree of deference as to the interpretation of the laws they enforce.153 Frequently, but not inevitably, private parties also have the right to proceed with actions for damages against private parties who violate their regulatory obligations and even against the government itself when it acts unlawfully, either substantively or procedurally. These tools of administrative law are available to make antitrust enforcement decisions more transparent and more responsive to the interests that the antitrust laws were meant to serve, thereby promoting both better decision making and greater democratic legitimacy.

CONCLUSION

Free markets and free people cannot be assured by the efforts of technocrats. Ultimately, both come about through the workings of democratic institutions, respectful of the legislature’s goals and constrained from engaging in arbitrary action. Antitrust has moved too far from democratic institutions and toward technocratic control, in service to a laissez-faire approach to antitrust enforcement. We need to move the needle back. Doing so will strengthen the institutions of antitrust, the market economy, and the democratic branches of government themselves.

#### US democratic retreat causes terrorism, great power war, famine, and poverty.

Garry Kasparov 17. Chairman of the Human Rights Foundation, founded the Renew Democracy Initiative. “Democracy and Human Rights: The Case for U.S. Leadership”. Feb 16 2017. U.S. Senate. http://www.foreign.senate.gov/imo/media/doc/021617\_Kasparov\_%20Testimony.pdf

The Soviet Union was an existential threat, and this focused the attention of the world, and the American people. There existential threat today is not found on a map, but it is very real. The forces of the past are making steady progress against the modern world order. Terrorist movements in the Middle East, extremist parties across Europe, a paranoid tyrant in North Korea threatening nuclear blackmail, and, at the center of the web, an aggressive KGB dictator in Russia. They all want to turn the world back to a dark past because their survival is threatened by the values of the free world, epitomized by the United States. And they are thriving as the U.S. has retreated. The global freedom index has declined for ten consecutive years. No one like to talk about the United States as a global policeman, but this is what happens when there is no cop on the beat. American leadership begins at home, right here. America cannot lead the world on democracy and human rights if there is no unity on the meaning and importance of these things. Leadership is required to make that case clearly and powerfully. Right now, Americans are engaged in politics at a level not seen in decades. It is an opportunity for them to rediscover that making America great begins with believing America can be great. The Cold War was won on American values that were shared by both parties and nearly every American. Institutions that were created by a Democrat, Truman, were triumphant forty years later thanks to the courage of a Republican, Reagan. This bipartisan consistency created the decades of strategic stability that is the great strength of democracies. Strong institutions that outlast politicians allow for long-range planning. In contrast, dictators can operate only tactically, not strategically, because they are not constrained by the balance of powers, but cannot afford to think beyond their own survival. This is why a dictator like Putin has an advantage in chaos, the ability to move quickly. This can only be met by strategy, by long-term goals that are based on shared values, not on polls and cable news. The fear of making things worse has paralyzed the United States from trying to make things better. There will always be setbacks, but the United States cannot quit. The spread of democracy is the only proven remedy for nearly every crisis that plagues the world today. War, famine, poverty, terrorism–all are generated and exacerbated by authoritarian regimes. A policy of America First inevitably puts American security last. American leadership is required because there is no one else, and because it is good for America. There is no weapon or wall that is more powerful for security than America being envied, imitated, and admired around the world. Admired not for being perfect, but for having the exceptional courage to always try to be better. Thank you

## Competition

#### Alt causes to innovation---non competes, no incentive for R&D

Bee 18 [Vanessa A. Bee. Senior Litigation Counsel at the Consumer Financial Protection Bureau with a JD from Harvard Law. Innovation Under Socialism. 10-24-2018. <https://www.currentaffairs.org/2018/10/innovation-under-socialism> ]

But prioritizing profit is a double-edged sword that can hamper innovation. Owning the proprietary rights allows private firms to block workers—through anti-competitive tools like non-compete agreements, patents, and licenses—who put labor into the innovation process from applying the extensive technical expertise and intimate understanding of the product to improve the innovation substantially. This becomes especially relevant once the workers leave the firm division in which they worked, or leave the firm altogether. Understandably, this lack of control and ownership will cause some workers, however passionate they may be about a project, to be less willing to maximize their contribution to the innovation.

Of course, the so-called nimbleness that allows firms to make drastic changes like mass layoffs is extremely harmful to the workers. This is no fluke. The capitalist economy thrives on a reserve army of labor. Inching closer to full employment makes workers scarcer, which empowers the labor force as a whole to bargain for higher wages and better work conditions. These threaten the firm’s bottom line. So, the capitalist economy is structured to maintain the balance of power towards the owners of capital. Positions that pay well (and less than well) come with the precariousness of at-will employment and disappearing union power. A constant pool of unemployed labor is maintained through layoffs and other tactics like higher interest rates, which the government will compel to help slow growth and thereby hiring. This system harms the potential for innovation, too.

The fear of losing work can dissuade workers from taking risks, experimenting, or speaking up as they identify items that could improve a taken approach—all actions that foster innovation. Meanwhile, thousands of individuals who could be contributing to the innovative process are instead involuntarily un-employed. This model also encourages monopolization, as concentrating market power gives private firms the most control over how much profit they can extract. But squashing competition that could contribute fresh ideas hurts every phase of the innovation process, while giving workers in fewer workplaces space to innovate.

Deferring to profit causes many areas of R&D to go unexplored. Private firms have less reason to invest in innovations likely to be made universally available for free if managers or investors do not see much upside for the firm’s bottom line. In theory, the slack in private research can be picked up by the public sector. In reality, however, decades of austerity measures  threaten the public’s ability to underwrite risky and inefficient research. Both the Democratic and Republican parties increasingly adhere to a neoliberal ideology that vilifies “big government,” promotes running government like a business, pretends that government budgets should mirror household budgets or the private firm’s balance sheet, and rams privatization under the guises of so-called public-private partnerships and private subcontractors.

In the United States, public investment in R&D has been trending downward. As documented in a 2014 report from the Information Technology & Innovation Foundation, “[f]rom 2010 to 2013, federal R&D spending fell from $158.8 to $133.2 billion … Between 2003 and 2008, state funding for university research, as a share of GDP, dropped on average by 2 percent. States such as Arizona and Utah saw decreases of 49 percent and 24 percent respectively.” Even if public investment in the least profitable aspect of research suddenly surged, in our current model, the private sector continues to be the primary driver of development, production, and distribution. Where there remains little potential for profit, private firms will be reluctant to advance to the next phases of the innovation process. Public-private projects raise similar concerns. Coordinated efforts can increase private investment by spreading some costs and risk to the public. But to attract private partners in the first place, the public sector has a greater incentive to prioritize R&D projects with more financial upsides.

This is how the quest for profits and tight grip over proprietary rights, both important features of the capitalist model, discourage risk. Innovations are bound for plateauing after a few years, as firms increasingly favor minor aesthetic tweaks and updates over bold ideas while preventing other avenues of innovation from blossoming. At the same time, massive amounts of capital continue to float into the hands of a few. The price of innovating under capitalism is then both decreased innovation and decreased equality. The idea that this approach to innovation must be our best and only option is a delusion.

#### Anti-trust law can’t be distinguished in specific industries. It’s enforced in generalist common law unlike regulation.

Dr. William Rogerson 20, Charles E. and Emma H. Morrison Professor of Economics at Northwestern University, Ph.D. in Social Sciences from the California Institute of Technology, and Dr. Howard Shelanski, Ph.D. in Economics from University of California, Berkeley, Professor of Law at Georgetown University and Partner at Davis Polk & Wardwell LLP, JD from the UC Berkeley School of Law, BA from Haverford College, Former Clerk for Judge Stephen F. Williams of the U.S. Court of Appeals for the D.C. Circuit and Justice Antonin Scalia of the United States Supreme Court, Former Administrator of the White House Office of Information and Regulatory Affairs and Director of the Bureau of Economics at the Federal Trade Commission, Former Chief Economist of the Federal Communications Commission and Senior Economist for the President’s Council of Economic Advisers at the White House, “Antitrust Enforcement, Regulation, and Digital Platforms”, University of Pennsylvania Law Review, 168 U. Pa. L. Rev. 1911, June 2020, Lexis

I. GOING BEYOND ADJUDICATION FOR ANTITRUST ENFORCEMENT

Antitrust statutes are primarily enforced in court, usually through the adjudication of specific cases or settlement against the backdrop of court-made antitrust doctrine. Indeed, despite statutory authority for the FTC to issue competition rules, and despite the technical complexity of many antitrust cases, antitrust enforcement and policy in the United States has evolved primarily through precedent developed by generalist courts, not specialized agencies. 18To be sure, the Department of Justice and the FTC influence policy through the investigations they pursue and the consent decrees they reach with parties. The FTC itself adjudicates some cases, although it does so largely according to law developed in the federal courts, to which parties can appeal any FTC decision. 19Academics and other commentators have also affected the evolution of antitrust in the United States, from supporting an economic, notably price-focused framework for U.S. competition policy to sparking a rethinking of that framework in contemporary debates. As the courts have absorbed such learning, antitrust doctrine has evolved over the decades through the push and pull of precedent across the United States judicial circuits, with the Supreme Court periodically stepping in to correct, clarify, or resolve differences among the lower federal courts. Commentators often cite antitrust as a rare example of "federal common law" in the U.S. system. 20

The adjudicatory model for implementing antitrust enforcement has several key attributes, which in turn have both advantages and disadvantages. We put aside for now the question of who is adjudicating--whether it be an expert tribunal or a court of general jurisdiction, for example--and focus on three characteristics of antitrust adjudication itself.

A. Case-by-Case, Fact-Specific Approach

Complexity of underlying issues aside, adjudication is well suited to settings in which applicability of the law is contingent on case-specific facts. With the exception of the limited conduct that the antitrust laws prohibit per se, courts review most business activities through a rule of reason, under which some conduct that is illegal in one set of circumstances is allowable in [\*1918] another. 21The inquiry into liability goes beyond whether particular conduct in fact occurred (which is the extent of the inquiry into conduct that is illegal per se) and extends into a balancing of the conduct's likely effects on competition. 22The more that liability is contingent on such case-specific facts, the more difficult it is to determine liability in advance of the conduct's having taken place. Adjudication typically occurs when conduct either is imminent or has already occurred, at which point the relevant facts as to the effects of the conduct are, in principle, more readily measured. 23Such "ex post" mechanisms of enforcement can reduce the risk of over-enforcement when compared to alternative approaches, like some forms of regulation, that spell out more comprehensively in advance what conduct is illegal. 24Reducing false positives, however, may or may not be a virtue--that calculation depends on the extent to which particular adjudicative institutions and processes under-enforce by allowing harmful conduct or transactions to slip through the liability screen.

B. Slow, Usually Predictable Doctrinal Development

A second attribute of the American adjudicatory process for antitrust is stability. While antitrust doctrine has occasionally swerved abruptly over the past century, the common-law process through which antitrust law has developed usually provides clear notice that a change is coming. As a recent example, the Supreme Court's shift in *Leegin Creative Leather Products, Inc. v. PSKS. Inc*. 25from per se liability to a rule of reason for resale price maintenance likely caught few observers by surprise. 26

Antitrust adjudication's stability, like its suitability for fact-dependent situations, is potentially double-edged. Antitrust jurisprudence can be slow to adjust to changes in economic learning or changes in the underlying economy that alter the effects of a particular kind of business conduct. For [\*1919] example, nearly thirty years ago the Supreme Court in Brooke Group v. Brown & Williamson Tobacco Corp. 27required that plaintiffs claiming predatory pricing show not only prices below some measure of incremental cost, but also that the defendant could recoup its losses. 28No plaintiff has prevailed in a predatory pricing case in a U.S. federal court since. 29That outcome might not be of concern were it the case that the Supreme Court's test accurately captures the incidence of predatory pricing. 30Economic research demonstrates, however, that predatory conduct does occur and does not depend on either below-cost pricing or recoupment. 31Predation is just one area in which court-made doctrine appears out of step with relevant economic facts and knowledge. To be sure, other forces could accelerate the common-law process of doctrinal development. For example, Congress could legislate changes to the scope, presumptions, and other parameters of antitrust law in ways that would immediately alter precedent and bind the courts going forward. 32 In practice, however, such intervention is rare and unlikely, making significant lags in doctrine a reality of antitrust adjudication in the courts.

C. Market-Driven Case Selection

In the United States, most adjudicative bodies do not select the cases that come before them. To be sure, courts have jurisdictional limitations that prevent them from hearing certain kinds of cases, and doctrines exist that allow courts to reject weak or poorly conceived complaints. Beyond those mechanisms, however, independent parties decide when and whether to pursue litigation as method of relief. One potential virtue of this separation between decisionmaking and case selection is that the market can drive the focus of judicial attention. Assuming the most widespread and most troublesome anticompetitive conduct will receive the greatest investment of litigation resources, that conduct will in turn receive the most adjudication and doctrinal development.

[\*1920] Unfortunately, the separation between adjudication and case selection will not necessarily lead to an efficient match between judicial attention and the most pressing antitrust violations. In practice, even conduct that is clearly prohibited can persist when offenders think detection is difficult; one only has to look at the consistently high number of civil and criminal price fixing cases that wind up in court, even though that conduct has clearly been illegal per se for nearly a century. 33The most widespread anticompetitive conduct might not therefore be the conduct most in need of doctrinal development--it can be just the opposite, as the persistence of cartels demonstrates. 34Moreover, if the courts develop doctrine that needs revisiting, but that deters the government or private plaintiffs from filing cases, 35then the market for judicial attention to antitrust conduct will not work well dynamically; once doctrine is settled, there may be no mechanism outside of legislation or regulatory intervention to drive doctrinal change. We return to this issue below.

D. Generalists versus Industry Experts

Returning to an issue we put aside earlier, who is doing the adjudication can matter for substantive outcomes. In U.S. antitrust law, that adjudication has occurred, at least ultimately, in generalist federal courts. That institutional locus might well make sense given the wide variety of conduct, industries, and factual circumstances that antitrust cases present. However, as specific industries come to pose particular challenges for antitrust enforcement, the case for more specialized enforcement decisionmakers becomes stronger. Traditionally, where detailed, industry-specific knowledge is required to make sound competition policy decisions, Congress has assigned authority over those decisions, at least in part, to industry-specific regulatory agencies. Thus, the Securities and Exchange Commission has authority over competitive conduct in key financial sectors. 36The FCC has parallel authority with the Department of Justice (DOJ) over telecommunications mergers and sole authority to establish terms for competitive entry into various telecommunications markets. 37State [\*1921] regulators govern entry into hospital markets through Certifications of Public Need. 38The federal courts have increasingly safeguarded the domain of industry specific regulators over competition issues even when agency decisions might be in tension with antitrust law. 39

As antitrust enforcement focuses on distinct challenges posed by a particular industry, whether digital platforms, pharmaceuticals, or something else, expert and specialized knowledge becomes even more essential to making good enforcement decisions. Under current law and enforcement frameworks, there is no systematic way to bring such specialization into the ultimate adjudication of antitrust cases in industries not already covered by specific, competition-related, regulatory statutes. To be sure, the FTC and DOJ have divisions that specialize in various industrial sectors in which they have considerable expertise. Those divisions bring that expertise into their review of conduct and transactions, but neither the FTC nor DOJ has ultimate adjudicative authority over the cases they choose to litigate. The DOJ must go to federal court to seek enforcement. The FTC can opt for an administrative enforcement mechanism with the Commission itself sitting in appellate review of initial adjudication by an administrative law judge. The Commission's decision is, however, subject to review by federal appellate courts, which have not hesitated to reverse the agency's decisions. 40 The result is that, even when agencies have brought specific industry expertise into antitrust enforcement, doctrinal application and resolution still proceeds through the common-law process of adjudication by generalist judges.

E. Tradeoffs Inherent in the Adjudicatory Approach to Antitrust

As the foregoing discussion suggests, the ex post case-by-case approach, slow doctrinal evolution, and case selection mechanism of antitrust adjudication have potential advantages and disadvantages. The tradeoffs become particularly clear through the interaction of those three characteristics.

[\*1922] Adjudication may mitigate the rate of false positives or false negatives obtained through enforcement, as proceeding case-by-case is less likely to bring about those results than are general rules that impose limits on business conduct in advance, regardless of specific circumstances. Broad ex ante specifications could prohibit beneficial or harmless conduct, and narrow ex ante specifications could fail to prevent anticompetitive practices. As a decisionmaking process moves from strict ex ante prescription to pure case-by-case adjudication, particular facts and circumstances increasingly predominate over generic categorization of conduct. 41In principle, the movement along that spectrum enables the decisionmaker to avoid under-inclusiveness or over-inclusiveness of categorical rules. 42

The extent to which an adjudicator actually succeeds in reducing enforcement errors in either direction depends on the doctrine and precedent through which it evaluates the case-specific evidence. Doctrine and precedent will determine how a court allocates burdens, prioritizes facts, and weighs presumptions in evaluating the legality of conduct. If precedent provides mistaken guidance on those factors, case-specific adjudication might do no better a job than ex ante prohibitions in avoiding errors or bias toward either under or over-enforcement. For this reason, the evolutionary pace of doctrinal development through antitrust adjudication is very important. Where that evolution has been toward convergence with state-of-the-art analysis and evidence as to the effects of conduct, doctrinal stability is a virtue. Reasonable people disagree over the Supreme Court's movement from per se illegality to rule of reason treatment of vertical price restraints, as Justice Breyer's dissent in Leegin demonstrates. 43 The decision in that case nonetheless drew on a body of legal and economic analysis that, over decades, had continually narrowed the application of per se rules to vertical conduct and led logically (even if some might argue incorrectly) to the majority's conclusion. 44Many commentators might therefore say Leegin is a good example of where the evolution of doctrine through adjudication worked well: stakeholders had notice and the doctrine moved in an internally consistent direction. While it is debatable whether the per se rule against restraints on [\*1923] intra-brand competition has in recent years led to over-enforcement, there is a good case that it had done so in the past, 45so that the doctrine plausibly moved in an error-reducing direction.

However, where doctrine gets on the wrong track, the application of precedent will perpetuate rather than reduce enforcement errors. In the case of predation, for example, there is a good argument that, in the light of current economic knowledge, the Brooke Group decision has led to underenforcement. 46The potential case-by-case advantages of adjudication are lost where judicial precedent renders important facts and circumstances irrelevant. In such cases, the relatively slow process of doctrinal correction through common law evolution is harmful to sound antitrust enforcement.

The discussion above shows that the error-reducing potential of a case-by-case, adjudicatory approach to antitrust enforcement depends heavily on the actual doctrine courts apply and on the process by which that doctrine evolves. Similarly, whether case selection in an adjudicatory approach in fact directs judicial attention to the conduct that most warrants oversight depends on existing doctrine and precedent. It may well be that the conduct doing the most harm is also the conduct for which the courts impose the highest burdens of proof on plaintiffs. The deterrent effect of those burdens likely leads to fewer cases than the conduct's actual effects warrant. 47Similarly, doctrine that too readily imposes liability could have the opposite effect: lower barriers for plaintiffs would lead to too many cases and more devotion of judicial resources than the conduct deserves. 48Like error-reduction, the distribution of antitrust cases brought for adjudication depends heavily on the state of the doctrine and on the ability of the common law process to correct course where necessary.

The potential disadvantages of antitrust adjudication by generalist courts raise the question of whether a different approach might be preferable, specifically with regard to digital platforms. Digital platforms present relatively novel challenges. Considering the tenuous fit between some [\*1924] potential theories of harm and current antitrust doctrine, the complexity of the underlying technical issues in antitrust cases, and the interrelatedness of those issues and adjacent policy goals, a more informed, comprehensive approach coordinated by an expert regulatory agency might foster more advantages than does the exclusive resort to traditional antitrust adjudication. However, before we turn to the form such regulation might take, we briefly identify some general principles for such regulation.

#### Unpredictable legal shifts wreck business confidence---tanks recovery

Sarah Chaney Cambon 21, Reporter on The Wall Street Journal's Economics Team, BA in Business Journalism from the University of North Carolina-Chapel Hill, “Capital-Spending Surge Further Lifts Economic Recovery”, Wall Street Journal, 6/27/2021, https://www.wsj.com/articles/capital-spending-surge-further-lifts-economic-recovery-11624798800

Business investment is emerging as a powerful source of U.S. economic growth that will likely help sustain the recovery.

Companies are ramping up orders for computers, machinery and software as they grow more confident in the outlook.

Nonresidential fixed investment, a proxy for business spending, rose at a seasonally adjusted annual rate of 11.7% in the first quarter, led by growth in software and tech-equipment spending, according to the Commerce Department. Business investment also logged double-digit gains in the third and fourth quarters last year after falling during pandemic-related shutdowns. It is now higher than its pre-pandemic peak.

Orders for nondefense capital goods excluding aircraft, another measure for business investment, are near the highest levels for records tracing back to the 1990s, separate Commerce Department figures show.

“Business investment has really been an important engine powering the U.S. economic recovery,” said Robert Rosener, senior U.S. economist at Morgan Stanley. “In our outlook for the economy, it’s certainly one of the bright spots.”

Consumer spending, which accounts for about two-thirds of economic output, is driving the early stages of the recovery. Americans, flush with savings and government stimulus checks, are spending more on goods and services, which they shunned for much of the pandemic.

Robust capital investment will be key to ensuring that the recovery maintains strength after the spending boost from fiscal stimulus and business reopenings eventually fades, according to some economists.

Rising business investment helps fuel economic output. It also lifts worker productivity, or output per hour. That metric grew at a sluggish pace throughout the last economic expansion but is now showing signs of resurgence.

The recovery in business investment is shaping up to be much stronger than in the years following the 2007-09 recession. “The events especially in late ’08, early ’09 put a lot of businesses really close to the edge,” said Phil Suttle, founder of Suttle Economics. “I think a lot of them said, ‘We’ve just got to be really cautious for a long while.’”

Businesses appear to be less risk-averse now, he said.

After the financial crisis, businesses grew by adding workers, rather than investing in capital. Hiring was more attractive than capital spending because labor was abundant and relatively cheap. Now the supply of workers is tight. Companies are raising pay to lure employees. As a result, many firms have more incentive to grow by investing in capital.

Economists at Morgan Stanley predict that U.S. capital spending will rise to 116% of prerecession levels after three years. By comparison, investment took 10 years to reach those levels once the 2007-09 recession hit.

Company executives are increasingly confident in the economy’s trajectory. The Business Roundtable’s economic-outlook index—a composite of large companies’ plans for hiring and spending, as well as sales projections—increased by nine points in the second quarter to 116, just below 2018’s record high, according to a survey conducted between May 25 and June 9. In the second quarter, the share of companies planning to boost capital investment increased to 59% from 57% in the first.

“We’re seeing really strong reopening demand, and a lot of times capital investment follows that,” said Joe Song, senior U.S. economist at BofA Securities.

Mr. Song added that less uncertainty regarding trade tensions between the U.S. and China should further underpin business confidence and investment. “At the very least, businesses will understand the strategy that the Biden administration is trying to follow and will be able to plan around that,” he said.

#### China tech fears are unfounded---they can’t catch up.

Fred Hu 18, economist and chairman of Primavera Capital Group, 8-22-2018, "The U.S. Is Overly Paranoid About China’S Tech Rise," Washington Post, https://www.washingtonpost.com/news/theworldpost/wp/2018/08/22/us-china-3/?utm\_term=.ed8dd0d27f82

But much of the fear over China’s technological rise is unfounded. Fundamentally, China is like most emerging economies around the world: still trying hard to close the enormous technological gap with advanced economies led by America. China has undoubtedly made more progress than many of its developing peers in that race. Its tech industries have grown at a faster pace and achieved a global scale beyond those of most developing countries. In a broad range of manufacturing sectors — notably consumer electronics, steel, ship building, high-speed rail systems and solar panels — China has established itself as the world’s leading producer. In areas such as consumer Internet and financial technology, it has arguably overtaken even the United States and now leads the rest of the world. Yet China hawks such as Robert Lighthizer and Peter Navarro charge that whatever progress China has made on the tech front is due to the country’s blatant theft of U.S. technology. Considering the enormous investments China has made in science and technology over recent decades, such claims do not hold water. China has devoted vast resources to research and development — $409 billion in 2015 (21 percent of the global total), according to the U.S. National Science Foundation. China’s investment in research and development grew over 20 percent annually between 2000 and 2010 and almost 14 percent from 2010-2015. U.S. research and development hovered around 4 percent over the same period. For a country with an average per capita income a mere one-sixth of America’s, China’s research and development investments reflect a real and sustained national commitment. At the same time, China has vastly expanded and improved STEM education and has one of the largest pools of STEM graduates in the world. The devotion of significant resources to research and development and human capital has in turn enabled China to reap some of the early fruits of innovation. China now tops the world in new patent filings. As the first country to receive more than 1 million patent applications in a single year — a record the World Intellectual Property Organization said reflected “extraordinary” levels of innovation — China accounts for almost 40 percent of the global total and more than that of the United States, Japan and South Korea combined. China has also significantly boosted venture capital investment, which supports the commercialization of emerging technologies. While the United States attracts the most investment worldwide (nearly $70 billion), venture capital investment in China rose from approximately $3 billion in 2013 to $34 billion in 2016, climbing from 5 percent to 27 percent of the global share — the fastest increase of any economy. China’s start-up ecosystem is both vast and vibrant; it has successfully incubated more tech unicorns than any other country except the United States. Too often, U.S. critics claim that Chinese industrial policies like Made in China 2025 are behind the country’s ascendancy in tech. In fact, virtually none of China’s leading tech firms, such as Alibaba, Baidu and Tencent, are state-owned or meaningful beneficiaries of state support. They are all founded and led by smart and risk-taking private entrepreneurs, just like their Silicon Valley brethren. Tellingly, many Chinese tech start-ups have received U.S. venture financing. And Chinese technology companies and venture firms have made significant investments in U.S. start-ups. Sadly, the virtuous two-way venture capital flows are now in jeopardy because of Washington’s growing paranoia about China. As impressive as China’s innovation and progress may be, however, it is premature to declare that China has caught up with the U.S. tech industry. Interventionist government bureaucracy, stodgy state-owned enterprises, a rigid school system and — above all — harsh restrictions on individual freedoms continue to stifle independent thinking and creativity and constrain China from realizing its full innovation potential. While China is well positioned to succeed in “strategic” industries such as semiconductors, pharmaceuticals and commercial aircraft due to its vast pool of engineering talent and the size of its domestic market, so far it has remained a laggard. China has failed to develop an indigenous chip industry despite a state-led drive to do so, with tens of billions spent over the past four decades. Despite its status as the “world’s factory,” making everything from cell phones and laptops to numerous other devices, China continues to import 90 percent of its microchips from foreign countries, predominantly from the United States. That is why the U.S. threat to cut off critical chip supply to ZTE, a Chinese telecom equipment firm, has been dubbed the “Sputnik moment” in China: a sober reminder of China’s continued weaknesses in critical technologies. While China has made spectacular progress on the tech front, the United States remains the undisputed global leader in science and technology. The United States holds most of the world’s leading research universities; it deploys the highest amounts of both public and private funding in research and development; attracts the most venture capital; awards the most advanced degrees; provides the most advanced business, financial and information services and is the largest producer in knowledge-intensive, high-tech sectors, from pharmaceuticals to semiconductors. The fear that China will displace the United States as the global tech superpower is grossly exaggerated. Unfortunately, such paranoia dominates the minds of protectionist U.S. politicians and China hawks and has already amplified a destructive trade war between the world’s two largest economies. For China’s part, its soul-searching is overdue. Beijing should resist the prevalent yet ill-justified self-complacency and triumphalism that contributed to the fear in Washington in the first place, and it should make serious efforts to reform and open its domestic economy. Unless Beijing amends its heavy-handed statist approach to economic development, China’s potential as a leading nation in science and technology could be seriously curtailed.

#### Implementation and enforcement are nearly impossible---difficult for competition authorities to determine FRAND violations.

Damien Geradin 10. Professor of Competition Law and Economics at Tilburg University, a William W. Cook Global Law Professor at the University of Michigan Law School and a visiting Professor at the College of Europe, Bruges. Reverse Hold-ups: The (Often Ignored) Risks Faced by Innovators in Standardized Areas. Paper prepared for the Swedish Competition Authority on the Pros and Cons of Standard-Setting, Stockholm, 12 November 2010. Pg. 22-23

After a long and thorough investigation, the Commission eventually decided to close its formal proceedings against Qualcomm,71 hence following the very cautious approach it has usually taken in excessive pricing cases. This case, however, clearly illustrates the considerable difficulty for the Commission (but it is also true for any other competition authority) to determine whether the royalty rates sought by an essential patent holders are “fair and reasonable” or “excessive” under the standard set by the European Court of Justice in United Brands. 72 While determining whether the price of a physical product is excessive is already difficult, that task is even more complex with respect to non-physical constructs, such as IPRs. Although the complainants proposed a number of benchmarks to determine whether Qualcomm’s royalties were “fair and reasonable” (some of which were discussed above (see Section IV.B), we have seen that these benchmarks suffered from major weaknesses either because they were theoretically unsound or because they would have raised complex implementation issues. In the Qualcomm case, this exercise was particularly absurd considering that the royalty rates and other licensing terms contained in Qualcomm’s licenses had been negotiated at arm’s length – in some cases before the WCDMA standard was adopted – with large and sophisticated corporations.

## Pandemics

#### Plan nukes regulatory certainty AND creates vagueness that monopolists exploit to dodge enforcement

D. Daniel Sokol 9, Assistant Professor at the University of Florida Levin College of Law, Senior Advisor at White & Case LLP, LLM from the University of Wisconsin Law School, JD from the University of Chicago Law School, MSt in History from Oxford University, AB from Amherst College, “Limiting Anticompetitive Government Interventions That Benefit Special Interests”, George Mason Law Review, 17 Geo. Mason L. Rev. 119, Fall 2009, Lexis

Antitrust litigation produces regulatory uncertainty because different courts may rule inconsistently with the same set of facts. Anecdotal evidence indicates that when courts do not understand complex antitrust issues, they rule based on a highly procedural formalism. 140 These problems of procedural formalism in antitrust decisions create particular concerns in conduct cases or with regard to penalties for conduct, regardless of the origin of the legal system. 141 For example, in New Zealand, telecommunications regulation focused on a general antitrust solution in conjunction with courts rather than with sector regulation. 142 In a case involving interconnection rates within telecommunications between the incumbent provider and a new entrant for access to the local loop, the case took five years to decide, with significant procedural delay. 143 The lack of the New Zealand judicial system's understanding of the complex pricing issues and methodologies for interconnection underlying the case meant that the conflicting court decisions left little certainty-none of the courts came up with a specific interconnection price. This enabled the incumbent Telecom Corporation to maintain its monopoly position, and it left the victims of its anticompetitive behavior without any effective means of redress. 144 A similar problem occurred in Chile, where the Chilean Supreme Court recently overruled the Chilean Competition Tribunal in cases regarding tacit collusion based on procedural rather than substantive grounds, and where it seemed apparent that the Supreme Court did not understand the antitrust issues. 145 [\*148]

#### Burnout and geographic dispersion check disease.

Sebastian Farquhar 17. \*\*Project Manager at FHI responsible for external relations, M.A in Physics and Philosophy, Oxford. \*\*John Halstead, Global Priorities Project. \*\*Owen Cotton-Barratt, Research Associate in the FHI at Oxford, Lecturer in Mathematics at St. Hugh’s College. \*\*Stefan Schubert, PhD in philosophy, Researcher at the Centre for Effective Altruism. \*\*Haydn Belfield, Academic Project Manager, Centre for the Study of Existential Risk, Cambridge. \*\*Andrew Snyder-Beattie, Director of Research at FHI. “Existential Risk: Diplomacy and Governance.” *Future of Humanity Institute*. Oxford, Global Priorities Project. <https://www.fhi.ox.ac.uk/wp-content/uploads/Existential-Risks-2017-01-23.pdf>.

For most of human history, natural pandemics have posed the greatest risk of mass global fatalities.37 However, there are some reasons to believe that natural pandemics are very unlikely to cause human extinction. Analysis of the International Union for Conservation of Nature (IUCN) red list database has shown that of the 833 recorded plant and animal species extinctions known to have occurred since 1500, less than 4% (31 species) were ascribed to infectious disease.38 None of the mammals and amphibians on this list were globally dispersed, and other factors aside from infectious disease also contributed to their extinction. It therefore seems that our own species, which is very numerous, globally dispersed, and capable of a rational response to problems, is very unlikely to be killed off by a natural pandemic.

One underlying explanation for this is that highly lethal pathogens can kill their hosts before they have a chance to spread, so there is a selective pressure for pathogens not to be highly lethal. Therefore, pathogens are likely to co-evolve with their hosts rather than kill all possible hosts.39

#### Pharma innovation is high now.

Christine **Bahls 21.** Medical and health care reporter. "A New Mindset on Innovation: At This Rate, Big Pharma May Need a Bigger Sandbox." PharmExec. 3-1-2021. https://www.pharmexec.com/view/a-new-mindset-on-innovation-at-this-rate-big-pharma-may-need-a-bigger-sandbox

A **trillion-dollar industry** whose members once practiced “not-invented-here syndrome” with near-religious fervor have now, for the most part, **embraced** on a **formal scale** what critics long wanted it to do: **Seek and find innovators**. Don’t, they had said, let a project fail just because a critical widget for said project didn’t exist in-house—go source it elsewhere. The **biopharmaceutical industry’s innovation discovery methods** have gone from the **long-established** (the Biotechnology Innovation Organization [BIO]is 28 years old1), to **seeding promising technology platforms**, to supporting **brick-and-mortar innovation** centers. For example, **AstraZeneca** and GlaxoSmithKline are underwriting a new structure in Edinburgh, Scotland. Venture capitalists, in today’s R**&D environment**, are still **absorbing** much of the **pretrial-risk**

sting. Established pharma participate in programs that support **academic lab discoveries**. They attend BIO-like conferences for specific specialties, such as ophthalmology. Novo Nordisk’s Novo Foundation,2 through its investment group, is working to adjust how future anti-infectives are paid for in hopes of reducing their resistance. And **researchers** are **financially helping** their own. Boston-based Dana-Farber Cancer Institute has started its own VC fund to support institute-generated startups.3 Basic investigative groundwork, like scouring PubMed and patent websites, has gone beyond an *ad hoc* exercise. At Bayer, for example, the company’s innovation discovery team has a dedicated **data miner**, looking for **trends** and novel **technologies**. The idea, says Chandra Ramanathan, Bayer’s global head of R&D open innovation in Cambridge, MA, and *Pharm Exec* Editorial Advisory Board member, is to “identify a breakthrough before people know it’s a breakthrough.” Significant **technology advancements** and Wall Street’s large appetite for **pharma** and **biotech** are **thrusts** in **pharma’s engine**. The success of pharma’s decision in the 2010s to court biotech companies with products near or in clinical-trial stage has **increased** the **number and types** of the **sandbox’s occupants.** In short, pharma has its own R&D ecosystem. Public money flows in from Washington, D.C.and state capitals. At the National Institutes of Health (NIH), the National Institute on Aging (NIA) established Alzheimer’s Disease Research Centers (ADRCs) in 1984, with six centers. Located in academic medical institutions, ADRCs now number 31. Sharing data with all stakeholders began in 1990. In 2014, the NIH began its Accelerating Medicines Partnership (AMP), a non-competitive arrangement between the NIH, FDA, and **biopharma** and **life sciences companies**. The ultimate goals are to **increase** the number of **therapies** while reducing the time it normally takes for pharma to get to market. The keystone in the program is open science. AMPs are dedicated to specific diseases, such as **Alzheimer’s** and type 2 **diabetes**. And these AMP researchers share knowledge gleaned. “Drug development takes too long, and there is too much attrition in Phase II and Phase III,” says Suzana Petanceska, PhD, who leads AMP’s Alzheimer’s program. ”We still do not understand the biology of these big complicated diseases.”

## Cap

#### 3 – Invert your standard for solvency – “feasibility” concerns are propaganda

McCarraher 19 [Eugene; 11/12/19; Associate Professor of Humanities at Villanova University, PhD in US Cultural and Intellectual History from Rutgers University; The Enchantments of Mammon: How Capitalism Became the Religion of Modernity, p. 15-18]

Words such as “paradise” or “love” or “communion” are certainly absent from our political vernacular, excluded on account of their “utopian” connotations or their lack of steely-eyed “realism.” Although this is a book about the past, I have always kept before me its larger contemporary religious, philosophical, and political implications. The book should make these clear enough; I will only say here that one of my broader intentions is to challenge the canons of “realism,” especially as defined in the “science” of economics. As the master science of desire in advanced capitalist nations, economics and its acolytes define the parameters of our moral and political imaginations, patrolling the boundaries of possibility and censoring any more generous conception of human affairs. Under the regime of neoliberalism, it has been the chief weapon in the arsenal of what David Graeber has characterized as “a war on the imagination,” a relentless assault on our capacity to envision an end to the despotism of money.24 Insistent, in Margaret Thatcher’s ominous ukase, that “there is no alternative” to capitalism, our corporate plutocracy has been busy imposing its own beatific vision on the world: the empire of capital, with an imperial aristocracy enriched by the labor of a fearful, overburdened, and cheerfully servile population of human resources. Every avenue of escape from accumulation and wage servitude must be closed, or better yet, rendered inconceivable; any map of the world that includes utopia must be burned before it can be glanced at. Better to follow Miller’s wisdom: we already inhabit paradise, and we can never make ourselves fit to live in it if we obey the avaricious and punitive sophistry professed in the dismal pseudoscience.

The grotesque ontology of scarcity and money, the tawdry humanism of acquisitiveness and conflict, the reduction of rationality to the mercenary principles of pecuniary reason—this ensemble of falsehoods that comprise the foundation of economics must be resisted and supplanted. Economics must be challenged, not only as a sanction for injustice but also as a specious portrayal of human beings and a fictional account of their history. As a legion of anthropologists and historians have repeatedly demonstrated, economics, in Graeber’s forthright dismissal, has “little to do with anything we observe when we examine how economic life is actually conducted.” From its historically illiterate “myth of barter” to its shabby and degrading claims about human nature, economics is not just a dismal but a fundamentally fraudulent science as well, akin, as Ruskin wrote in Unto This Last, to “alchemy, astrology, witchcraft, and other such popular creeds.”25

Ruskin’s courageous and bracing indictment of economics arose from his Romantic imagination, and this book partakes unashamedly of his sacramental Romanticism. “Imagination” was, to the Romantics, primarily a form of vision, a mode of realism, an insight into the nature of reality that was irreducible to, but not contradictory of, the knowledge provided by scientific investigation. Romantic social criticism did not claim the imprimatur of science as did Marxism and other modern social theories, yet the Romantic lineage of opposition to “disenchantment” and capitalism has proved to be more resilient and humane than Marxism, “progressivism,” or social democracy. Indeed, it is more urgently relevant to a world hurtling ever faster to barbarism and ecological calamity. I wrote this book in part out of a belief that many on the “left” continue to share far too much with their antagonists: an ideology of “progress” defined as unlimited economic growth and technological development, as well as an acceptance of the myth of disenchantment that underwrites the pursuit of such expansion. The Romantic antipathy to capitalism, mechanization, and disenchantment stemmed not from a facile and nostalgic desire to return to the past, but from a view that much of what passed for “progress” was in fact inimical to human flourishing: a specious productivity that required the acceptance of venality, injustice, and despoliation; a technological and organizational efficiency that entailed the industrialization of human beings; and the primacy of the production of goods over the cultivation and nurturance of men and women. This train of iniquities followed inevitably from the chauvinism of what William Blake called “single vision,” a blindness to the enormity of reality that led to a “Babylon builded in the waste.”26

Romantics redefined rather than rejected “realism” and “progress,” drawing on the premodern customs and traditions of peasants, artisans, and artists: craftsmanship, mutual aid, and a conception of property that harkened back to the medieval practices of “the commons.” Whether they believed in some traditional form of religion or translated it into secular idioms of enchantment, such as “art” or “beauty” or “organism,” Romantic anticapitalists tended to favor direct workers’ control of production; the restoration of a human scale in technics and social relations; a sensitivity to the natural world that precluded its reduction to mere instrumental value; and an apotheosis of pleasure in making sometimes referred to as poesis, a union of reason, imagination, and creativity, an ideal of labor as a poetry of everyday life, and a form of human divinity. In work free of alienation and toil, we receive “the reward of creation,” as William Morris described it through a character in News from Nowhere (1890), “the wages that God gets, as people might have said time agone.”27

Rendered gaudy and impoverished by the tyranny of economics and the enchantment of neoliberal capitalism, our sensibilities need replenishment from the sacramental imagination. As Americans begin to experience the initial stages of imperial sclerosis and decline, and as the advanced capitalist world in general discovers the reality of ecological limits, we may find in what Marx called the “prehistory” of our species a perennial and redemptive wisdom. We will not be saved by our money, our weapons, or our technological virtuosity; we might be rescued by the joyful and unprofitable pursuits of love, beauty, and contemplation. No doubt this will all seem foolish to the shamans and magicians of pecuniary enchantment. But there are more things in heaven and earth than are dreamt of on Wall Street or in Silicon Valley.

#### 4 - The aff is utopian. Criticism is a prerequisite to formulating new solutions.

Paul Mason 7-17-15. Writer of Live Working or Die Fighting: How the Working Class Went Global and [PostCapitalism: A Guide to our Future](https://en.wikipedia.org/wiki/PostCapitalism:_A_Guide_to_our_Future). Culture and Digital Editor of Channel 4 News. Visiting Professor at the University of Wolverhampton. Bachelors in Music and Politics from the University of Sheffield. "The end of capitalism has begun," Guardian, https://www.theguardian.com/books/2015/jul/17/postcapitalism-end-of-capitalism-begun

The power of imagination will become critical. In an information society, no thought, debate or dream is wasted – whether conceived in a tent camp, prison cell or the table football space of a startup company. As with virtual manufacturing, in the transition to postcapitalism the work done at the design stage can reduce mistakes in the implementation stage. And the design of the postcapitalist world, as with software, can be modular. Different people can work on it in different places, at different speeds, with relative autonomy from each other. If I could summon one thing into existence for free it would be a global institution that modelled capitalism correctly: an open source model of the whole economy; official, grey and black. Every experiment run through it would enrich it; it would be open source and with as many datapoints as the most complex climate models. The main contradiction today is between the possibility of free, abundant goods and information; and a system of monopolies, banks and governments trying to keep things private, scarce and commercial. Everything comes down to the struggle between the network and the hierarchy: between old forms of society moulded around capitalism and new forms of society that prefigure what comes next. ... Is it utopian to believe we’re on the verge of an evolution beyond capitalism? We live in a world in which gay men and women can marry, and in which contraception has, within the space of 50 years, made the average working-class woman freer than the craziest libertine of the Bloomsbury era. Why do we, then, find it so hard to imagine economic freedom? It is the elites, cut off in their dark-limo world, whose project looks forlorn It is the elites – cut off in their dark-limo world – whose project looks as forlorn as that of the millennial sects of the 19th century. The democracy of riot squads, corrupt politicians, magnate-controlled newspapers and the surveillance state looks as phoney and fragile as East Germany did 30 years ago. All readings of human history have to allow for the possibility of a negative outcome. It haunts us in the zombie movie, the disaster movie, in the post-apocalytic wasteland of films such as [*The Road*](https://www.theguardian.com/film/movie/131971/road) or [*Elysium*](https://www.theguardian.com/film/2013/aug/22/elysium-review). But why should we not form a picture of the ideal life, built out of abundant information, non-hierarchical work and the dissociation of work from wages? Millions of people are beginning to realise they have been sold a dream at odds with what reality can deliver. Their response is anger – and retreat towards national forms of capitalism that can only tear the world apart. Watching these emerge, from the pro-Grexit left factions in Syriza to the [Front National](https://www.theguardian.com/world/marine-le-pen) and the isolationism of the American right has been like watching the nightmares we had during the [Lehman Brothers](https://www.theguardian.com/business/lehmanbrothers) crisis come true. We need more than just a bunch of utopian dreams and small-scale horizontal projects. We need a project based on reason, evidence and testable designs, that cuts with the grain of history and is sustainable by the planet. And we need to get on with it.

#### 2. Data Sharing Link---The aff fails and encourages commodification of data

BENNETT CYPHERS AND HAYLEY TSUKAYAMA 21. STAFF TECHNOLOGIST at Electronic Frontier Foundation and legislative activist for the Electronic Frontier Foundation, 8/12/21. “Why Data-Sharing Mandates Are the Wrong Way To Regulate Tech.” https://www.eff.org/deeplinks/2021/08/why-data-sharing-mandates-are-wrong-way-regulate-tech

Legislators want to force tech companies to share data

Several bills in states around the country, including in California and New York City, propose a “solution”: force the tech companies to share some of the data they collect. But these bills are misguided. While they might give small businesses short-term boons, they won’t address the larger systems that have led to corporate concentration in the tech sector. They will further encourage the commoditization of our data as a tool for businesses to battle each other, with user privacy caught in the crossfire.

Normalizing new, indiscriminate data sharing is a problem. Instead, regulators should be thinking of ways to protect consumers by limiting data collection, retention, use, and sharing. Creating new mandates to share data simply puts it in the hands of more businesses. This opens up more ways for government seizure of that data and more targets for hackers.

We’ve sung the praises of interoperability policy in the past, so how is this different? After all, if Facebook should have to share data with its competitors under something like the ACCESS Act, why shouldn’t UberEats have to share data with restaurants? The difference is who’s in control. Good interoperability policy should put the user front and center: data sharing must only happen with a user’s opt-in consent, and only for purposes that directly benefit the user.

Forcing DoorDash to share information with restaurants, or Uber to share data with cities, doesn’t serve users in any way. And these bills don’t require a user’s opt-in consent for the processing of their data. Instead, these policies would make it so that sharing data with one company means that data will automatically end up in the hands of several downstream parties. Since the United States lacks basic consumer privacy laws, recipients of this data will be free to sell it, otherwise monetize it, or share it with law enforcement or immigration officials. This further erodes what little agency users currently have.

#### The link turns case --- The prioritization of competition via antitrust law creates new forms of market concentration---frames of efficiency justify vertical coordination that expands the corporate world.

Jedediah Britton-Purdy et. al. 20. William S. Beinecke Professor of Law at Columbia Law School. David Singh Grewal, Professor of Law at Berkeley Law School. Amy Kapczynski, Professor of Law at Yale Law School. K. Sabeel Rahman, Associate Professor of Law at Brooldyn Law School and President, Demos. Building a Law-and-Political-Economy Framework: Beyond the Twentieth-Century Synthesis. The Yale Law Journal. April 2020. 129(6): 1801-1802

The many criticisms of this way of reasoning did not halt the influence of modern law and economics in legal thought. Law and economics spanned substantive areas of law, delivering a simplicity and method that any first-year student could learn and that a wave of dedicated scholarship on alternative field- specific idioms did little to displace. The result was far from a comprehensive defense of market ordering, much less one that overcame the many telling criti- cisms of the normative case for law and economics that issued in the 198os.59 Nonetheless, adherents of law and economics reorganized an array of legal fields. They did so using a variety of argument types, sometimes shifting among them. Arguments that idealize a version of market ordering as neutral and "good for us all," which would characterize the elevation of consumer welfare in antitrust law or efficiency reasoning in intellectual property, are market fundamentalist. Arguments to the effect that the state simply cannot be trusted to make substantive judgments about value and distribution on account of the dynamics revealed by public-choice theory take the form of market tragedy. Here, market-modeled in- sight reveals that the market is the best we can do, perhaps regrettably but ineluctably nonetheless. This style of argument persistently accompanied the more optimistic market-fundamentalist moves, enabling scholars and advocates to in- sist without fear of contradiction that economic policy deviating from market models would invite rent seeking. The combination of the first two supported a third, subtler style of argument: market hegemony simply assumed that "serious" law and policy thinking would adhere to market models, as in environmental law's focus on cost engineering to the exclusion of infrastructure investment and political engagement. The latter kinds of proposals simply have no place at the table, and raising them suggests the discrediting failure to understand that market reasoning provides the authoritative and exclusive way of engaging urgent questions.

Antitrust law, our first example, was remade to address a drastically narrowed conception of the problem of monopoly.60 Market power was to be disciplined only when it interfered with consumer welfare, and sometimes, still more narrowly, only when it increased prices. 61 Historically, antitrust law and scholar- ship took a broader view: it emerged from a concern about the power of large corporate entities to influence politics and not just prices, and imposed structural limits and bright-line rules to guard against an array of possible political-eco- nomic implications of firm dominance.6 2 Replacing this political-economic version of antitrust, the field came to target a much narrower conception of market collusion. The result is a regime that privileges firms as favored instances of (vertical) coordination but repudiates certain forms of (horizontal) coordination among market participants and certain workers (such as independent contractors).63 In the name of supposed efficiency, antitrust now blesses mergers and big firms but restrains cooperation among Uber drivers and church organists.64 This remade antitrust law has in turn helped to remake the corporate world, facilitating the substantial new forms of market concentration and priority for capital over labor that we previewed above.

#### They didn’t get to any warranted sustainability arguments, but to preempt 1ar spin --- Cap doesn’t solve resource scarcity or climate---its unsustainable

#### A – Carbon bubble, peak oil

Rifkin ‘19 [Jeremy, Honorary Doctorate in Economics at Hasselt University. Recipient of the 13th annual German Sustainability Award in December 2020. BS in Economics at UPenn – Wharton School. Founder of People’s Bicentennial Commission. The Green New Deal: Why the Fossil Fuel Civilization Will Collapse By 2028, and the Bold Economic Plan to Save Life on Earth. St Martin’s Press. P7-8. Google Book. //shree]

The Carbon Tracker Initiative, a London-based think tank serving the energy industry, reports that the steep decline in the price of generating solar and wind energy “will inevitably lead to trillions of dollars of stranded assets across the corporate sector and hit petro-states that fail to reinvent themselves,” while “putting trillions at risk for unsavvy investors oblivious to the speed of the unfolding energy transition.”19 “Stranded assets” are all the fossil fuels that will remain in the ground because of falling demand as well as the abandonment of pipelines, ocean platforms, storage facilities, energy generation plants, backup power plants, petrochemical processing facilities, and industries tightly coupled to the fossil fuel culture.

Behind the scenes, a seismic struggle is taking place as four of the principal sectors responsible for global warming—the Information and Communications Technology (ICT)/telecommunications sector, the power and electric utility sector, the mobility and logistics sector, and the buildings sector—are beginning to decouple from the fossil fuel industry in favor of adopting the cheaper new green energies. The result is that within the fossil fuel industry, “around $100 trillion of assets could be ‘carbon stranded.’”20

The carbon bubble is the largest economic bubble in history. And studies and reports over the past twenty-four months—from within the global financial community, the insurance sector, global trade organizations, national governments, and many of the leading consulting agencies in the energy industry, the transportation sector, and the real estate sector—suggest that the imminent collapse of the fossil fuel industrial civilization could occur sometime between 2023 and 2030, as key sectors decouple from fossil fuels and rely on ever-cheaper solar, wind, and other renewable energies and accompanying zero-carbon technologies.21 The United States, currently the leading oil-producing nation, will be caught in the crosshairs between the plummeting price of solar and wind and the fallout from peak oil demand and accumulating stranded assets in the oil industry.22

#### B – Mineral cycles– copper, lithium, manganese hit bottlenecks

Ahmed 20 [Nafeez. M.A. in contemporary war & peace studies and a DPhil (April 2009) in international relations from the School of Global Studies at Sussex University. Capitalism Will Ruin the Earth By 2050, Scientists Say. Vice. 10-21-2020. https://www.vice.com/en/article/v7m48d/capitalism-will-ruin-the-earth-by-2050-scientists-say]

Endless growth will generate minerals scarcity within decades

The EV transition is, in short, a massive industrial project. Electrification of roads and rail will require upgraded smart grids, complex routes connected to high power lines, and regular battery-swap stations. The paper explores several scenarios to explore how such a transition would take place.

In a continuing GDP growth scenario, the authors note that the economy begins to stagnate “due to peak oil limits at around 2025-2040,” but GDP is able to continue growing thanks to the EV transition. This shows that the reduction in liquid fuels in transportation can play a powerful role in avoiding “energy shortages in the economy as a whole.”

But then the economy hits the limits of mineral and material production to sustain this electric transition—in just three decades. And this is even with high levels of minerals recycling.

By 2050, in this scenario, the EV transition will “require higher amounts of copper, lithium and manganese than current reserves. For the cases of copper and manganese the depletion is mainly due to the demand from the rest of the economy,” but most lithium demand “is for EV batteries,” and this alone “depletes its estimated global reserves.”

Mineral depletion takes place even with “a very high increase in recycling rates” in a continuing GDP growth scenario.

In one such scenario, the authors apply what they consider to be realistic upper level recycling rates of 57 percent, 30 percent and 74 percent to copper, lithium and manganese respectively. These are based on extremely optimistic projections of recycling capabilities relative to their costs.

But still they find that even these high recycling rates wouldn’t prevent depletion of all current estimated reserves by 2050. The conclusion corroborates findings of other studies, estimating an expected bottleneck for lithium by 2042-2045 and for manganese by 2038-2050.

Actual bottlenecks could come even earlier because existing studies—including the MEDEAS model—don’t account for material requirements needed for internal wiring, the EV motor, EV chargers, building and maintaining the grid to connect and charge EV batteries, the catenaries to electrify the railways, as well as inherent difficulties in recycling metals.

#### C – COVID – “recovery” is sugar rush that drives crisis

Roberts & Smith ‘21 [Michael Roberts worked as an economist for over 40 years, Activist in British Labor Movement in Britain. Interviewed by Ashley Smith, Author at Specter Journal. “Out of Lockdown and Back into the Long Depression.” 7-6-21. <https://spectrejournal.com/out-of-lockdown-and-back-into-the-long-depression/> //shree]

The Covid slump of 2020-21 was basically a supply-side shock due to the global spread of the Covid-19 virus and the failure of governments in the major economies (with a few exceptions) to prevent its spread. There were delayed and bungled measures along with weakened health systems, so economies had to close down as lockdowns and isolation measures were the only answer to avoiding catastrophe. Economically, that meant supply stopped, and then that led to a collapse in demand as people were laid off and businesses crashed.

But recovery is now under way (more or less) in most major economies. Demand was propped up in the major advanced economies through massive government fiscal spending and central bank injections of credit for businesses (particularly large ones). And now through a combination of lockdowns and the incredibly fast development and rollout of effective vaccinations (thanks to publicly funded science), the major economies are now able to recover.

But in the G7 economies this initial recovery has the aspect of a “sugar rush.” The “sugar” of fiscal stimulus and historic levels of easy credit is infusing capitalist businesses and household spending with an energy boost.

Indeed, during the pandemic slump sections of capitalism did not suffer at all; on the contrary, they gained hugely, e.g., the social media and tech sector, the mega-distribution companies, and Big Pharma.

Better-off households also suffered less (at least materially) as they continued to be paid, could work at home, and saved income significantly. This led to a house purchase boom as these sectors of labour looked to change their lifestyles post-Covid.

At the same time, zero interest rates and cheap credit allowed financial institutions to make hay in financial markets and billionaire wealth rocketed as stock and bond markets hit historic highs.

But, for most manual workers in the cities and in low-paid service industries, the pandemic slump was a disaster and with little prospect of returning to “normal” for them in the recovery.

And it’s the advanced capitalist economies and the East Asian states that are recovering best in 2021-22. The so-called global South suffered hugely in the pandemic, with record levels of excess deaths and a massive rise in unemployment and poverty levels. Fiscal support from governments was limited and the rollout of vaccines to get economies going again is way short. Estimates are that the target vaccination levels in these countries will not be achieved until 2023-4!

So, what we are going to see is the major capitalist economies of the West and China returning to pre-pandemic levels of national output by the end of this year or in early 2022, but Latin America, Africa, South Asia failing to do so.

What are the weaknesses and contradictions of the recovery in those economies?

Before the pandemic, the world economy was slowing down. Real GDP growth rates in the G7 were dropping to just 1 percent or lower; the so-called emerging economies had growth rates down to 3 percent (hardly enough to cover increases in population). World trade was declining. Even the giant economies of China and India had slowed.

The main reason was that growth in investment in productive assets that can boost the productivity of labor and expand technology and employment had also slowed. In my view, investment and productivity growth are key to developing the productive forces of modern capitalist economies, and they were failing because under capitalism, profitability is the driving force behind investment.

And according to the best estimates, US and global profitability levels are at historic lows. This is the long-term result of the basic contradiction of capitalism: between raising the productivity of labour and sustaining profitability. Over the long term, this cannot be done, and this is the economic Achilles heel of capital.

At first sight, this result seems strange when we read of the huge profits being made by the likes of the so-called FAANGS (the tech and social media monopolies) and Amazon. But these are the exceptions that prove the rule. On average, the profitability of firms in the productive sectors of capitalist economies are low.

That’s partly why profits have been reinvested into financial and other unproductive sectors like property where profitability is higher.

Indeed, it is estimated that before the pandemic, about 15-20 percent of companies in the major economies were what are called “zombies,” i.e., not making enough profit to invest or expand, but just enough to pay wages and service their debts. They are the “living dead” in capitalist terms. At the same time, however, corporate debt is at record highs in most countries, raising the risk of bankruptcies if interest rates were to rise.

All this makes it unlikely that we shall see any significant change post-pandemic from what we saw in the post-great recession decade, i.e., slow growth in investment, low wage growth, poor productivity growth, rising inequality, and unchanged or worsened global poverty.

In the US, a lot has been made about Biden’s turn away from the neoliberal consensus toward Keynesianism. What has he done, why has he done it, and what has been its impact so far?

The pandemic fiscal packages introduced by various G7 governments and, of course, by the Biden administration were emergency measures by states to avoid complete meltdown and catastrophe from the pandemic. In my view, they do not signify a change of ideology or policy by pro-capitalist governments. The usual talk is “let’s get out of this slump and preserve capitalist businesses using state funds and credit and then worry about paying it all down later.” The “later” is still to come.

Biden’s fiscal packages have been heralded as a sea change in government policy and a return to Keynesian macro-management and stimulation of capitalist economies. But first, let’s leave aside the fact that Keynesian stimulus and macro-management was mainly a myth anyway and really the product of a war economy after 1945 which was ditched in the mid-1970s.

Instead let us consider the actual impact of the Biden packages. The latest estimates by Goldman Sachs, hardly a voice of the left, is that after all the machinations of Congress by the end of this year, the Biden package will be equivalent to about 1 percent of US GDP each year for the rest of Biden term. But Biden is going to pay for these partly by increasing taxation by 0.75 percent of GDP a year.

Given that the best estimates of so-called multiplier effects on GDP from fiscal stimulus are about one, that means the net effect of the Biden packages, if fully implemented, might boost US real GDP growth by 0.25 percent a year. The current forecast for long-term us real GDP growth is just 1.8 percent a year. So, the “great” return to Keynes by Biden will be minimal.

If Biden manages to get his larger proposals for increased spending on infrastructure and social welfare spending through Congress, what impact will that have on the US and world economies?

If the Biden package will have a limited effect on the US economy, any spillover effect into other economies will be even less substantial. The EU is also planning an economic recovery package that will boost government funds in EU countries with already large debt burdens like Italy and Spain. But again, the impact on the capitalist sectors of these economies will be minimal. Japan is about to announce a fiscal package that aims to “balance the books” over the next decade – hardly stimulus then! Indeed, the latest growth forecast for japan is a further slowing from its pre-pandemic pace of less than 1 percent a year.

And apart from China, Vietnam, and the small East Asian states, the rest of the global South has little prospect of any fiscal stimulus or economic recovery. Most estimates from international agencies are that these economies will not recover to pre-pandemic GDP levels before 2023 and will never recover to pre-pandemic trajectories of economic growth. There is a permanent “scarring” of these weak peripheral capitalist economies.

There has been a whole range of bourgeois commentators like Lawrence Summers warning about the threat of inflation. What’s your assessment about the arguments about inflation? What are the dangers of a return to what in the 1970s was called stagflation, a combination of slow growth and increased inflation?

In the short term, inflation has returned to many economies. This is because of the sugar rush of consumer demand as economies open up again and people start spending down savings built up during the pandemic slump, while companies search for raw materials and components to restart businesses. Coupled with a significant disruption of global value chains, supply cannot meet demand and bottlenecks have created an inflation of prices in raw materials and consumer goods and services.

But is this as transitory as the federal reserve and other central banks claim (though to be fair, there are divergent views within these banks)? Some, like Summers, argue that credit and fiscal stimulation boost demand without engendering enough supply because there is a secular stagnation in investment and productivity in modern economies.

Others argue that credit injections and monetary easing after the great recession did not lead to inflation. On the contrary, easing only boosted financial and property prices. The Keynesian view is that inflation only happens when wage costs rise, i.e., inflation is caused by labor rather than capital. And that is not happening so far.

My view is that price inflation in goods and services in capitalist economies comes about through a combination of demand generated by new value (as expressed in wages and profits) and the pace of money supply growth. But it is the change in value production that matters most.

Capitalist economies have experienced a slowdown in new value growth for decades, so inflation rates have slowed to a trickle. Central banks have tried very hard with monetary easing to get some inflation (2 percent targets, etc.) and failed. Tinkering with interest rates and money quantities cannot deliver even moderate inflation in these conditions.

So, after this initial burst, inflation will rise above pre-pandemic rates (i.e., 2 percent or so) only if the world capitalist economies generate faster growth in new value (unlikely) and/or there are sustained levels of double-digit growth money supply (possible). The latter is what central banks control, and they are divided on how long to maintain that.

This raises larger theoretical questions on the left. Many believe that Keynesianism or Modern Monetary Theory can stimulate growth and bring about a more egalitarian capitalist order. You have challenged these ideas in your blog, The Next Recession. Why do Marxists argue that Keynesianism can’t overcome capitalist crisis in general and in this slump?

The key to answering this is to recognize that capitalists decide whether economies grow or go into slump. By that I mean capitalists will only invest in means of production and employment if there is a profit to be made. Profit calls the tune under capitalism. And as mentioned above, average profitability in the major capitalist economies is low; corporate debt is high, and many firms are just surviving through cheap credit and not investing productively.

But Keynesian theory does not consider capitalist economies from the perspective of profitability. It’s effective demand that decides. If government spending can increase demand, then it can get capitalist economies going. If Marxist theory is a better explanation of capitalist accumulation, then if profitability of capital stays low and does not recover to new higher levels post-pandemic, then government spending will be ineffective.

## Competition

#### Red innovation solves – mutual funds, dividends, public projects, larger and more creative workforce

Bee 18 [Vanessa A. Bee. Senior Litigation Counsel at the Consumer Financial Protection Bureau with a JD from Harvard Law. Innovation Under Socialism. 10-24-2018. <https://www.currentaffairs.org/2018/10/innovation-under-socialism> ]

In this market socialist society, most shares are pooled into highly regulated mutual funds, which then pursue different investment strategies when trading them on a highly regulated stock exchange. This exchange helps monitor the performance of the firm managers and assess which innovations are performing strongly. To avoid the concentration of market power and capital, the government sets the bar for how much stock any stakeholder can hold in any firm and industry. It also sets the minimum and maximum amount of dividends that each person can receive annually. As the economy grows, dividends can be adjusted to increase by a percentage, or commensurate with inflation. Surplus resulting from distributing only part of the profits allows the more profitable firms to subsidize innovative, but less profitable, activities. In addition, this regime does not tolerate anti-competitive contracts like restrictive employment agreements, strict license agreements, and long patents (although inventions may be attributable to their inventors and may be rewarded through other means like prizes, bonus compensation, or simply very short patents periods).

The model could incorporate elements of democratically-planned, participatory socialism, which emphasizes democracy and individual autonomy in the workplace. Economist David Kotz believes that particular features of this model could foster innovation performance:

First, the main features of the overall economic plan would be determined by a democratic process … Second, the planning and coordination of the economy would take place … by industry boards and local and regional negotiated coordination bodies that have representation of all affected constituencies, including workers, consumers, suppliers, the local community, and even “cause” groups such as environmentalists, job safety activists, feminists, etc.

Among other topics, these representative boards could vote on compensation minimums and maximums, to prevent innovation from supporting socioeconomic inequality and unfair social divisions of labor. This injection of democracy would give ordinary people a larger say in the direction of the markets, and what areas they think would benefit from more investment in innovation.

The second ingredient of innovation, capital, is guaranteed in the market socialist economy. Freed of its neoliberal handcuffs, the government can designate funding towards various innovative projects at a greater rate than it does now. Banks jointly owned by the government and other non-private stakeholders would provide entrepreneurs with access to capital for projects through loans with terms more generous than private lenders offer now. The firms owned by government, worker co-operatives, ordinary people, and other publicly-owned firms can also raise capital from each other as wealth is distributed more equally. In such a world, more individuals can pool their resources to invest in particular innovative projects rather than a recurring cast of millionaires.

Market socialism would easily deliver the third ingredient of innovation: human capital. Such an economy has no need for a reserve army of labor. While profit is encouraged, its primary function is increasing the pool of resources and cash distributable to workers and non-workers. It does not come at the price of providing generous wages, as dividends to shareholders are capped no matter how well the firm performs. In fact, this society could make a democratic decision to compensate people in positions on the lower band of wages with more in unearned income, out of the same pool of profits.

When applied earnestly, the principles of socialism are also incompatible with mass incarceration, discrimination, uncompensated caregiving, highly restrictive immigration policies, and other social practices that exclude large numbers of workers from participating in our capitalist economy. Add a fairer distribution of public resources among individuals and communities, along with more free or heavily subsidized goods like education, and a market socialist economy could really see an increase in the availability and skills in the pool of workers. Freeing more people to join the innovative process would naturally foster more innovation.

Lastly, innovation can only thrive if the innovation process affords individuals chances to be creative and the right conditions to motivate them. Studies on what fosters creativity show that workers who rate highly on creativity indexes perform best when they are given challenging work, a good measure of autonomy, and supportive and caring supervisors who can provide substantive and constructive feedback. The same study, however, shows that workers who are by nature less creative tend to be happier in less complex positions. Neither worker is, or should be, superior to the other. On the contrary, the innovation process has plenty of room for all types of workers with varying degrees of innate creativity. The core principles of socialism, however, do suggest that this economic system is better suited for supporting creative workers than capitalism.

#### Profit stifles innovation

#### A – R&D is not spent on making new products but rather required to catch up to competitors which hinders innovation---that’s Bee

#### B – Inequality, work times, fear of shareholder suits

Bee 20 [Vanessa A. Bee. Senior Litigation Counsel at the Consumer Financial Protection Bureau with a JD from Harvard Law. Would We Have Already Had a COVID-19 Vaccine Under Socialism?. No Publication. 4-20-2020. https://inthesetimes.com/features/covid-19-coronavirus-vaccine-capitalism-socialism-innovation.html]

STIFLING WORKERS, STIFLING CREATIVITY

Many of the most sophisticated innovations of our time, from groundbreaking drugs to smart car technology, have depended on a deep pool of creative labor. But the idea that capitalism allows the bestsuited workers to join that pool is wishful thinking. As journalist Chris Hayes writes in Twilight of the Elites: America After Meritocracy, meritocracy “can only truly come to flower in a society that starts out with a relatively high degree of equality.” From 1979 to 2015, the annual average household income of the top 1% grew five times faster than that of the bottom 90th percentile. The reality is that deep inequalities in how this country’s wealth is distributed make meritocracy all but a myth. Some people can afford to attend college and access spaces where discovery is encouraged, moving into a “creative pipeline,” while their poorer peers go right into the workforce or juggle demanding classes with work schedules. While some with great innate talent for innovation end up in these coveted creative jobs, many more—poor and workingclass—are pushed by financial necessity into positions mismatched to their potential.

In theory, one doesn’t need a creative-focused job to innovate. But creativity requires a certain freedom— an ability to “waste” time, to work nonlinearly, to experiment and repeatedly fail. Capitalism’s constant dictate to maximize productivity leaves people with little time to spare, at work or at home—especially in poor and working-class households: The bottom fifth of earners have seen their work hours increase by 24.3% since 1979, compared to 3.6% for the top fifth.

Being in a more precarious financial position, or in a job with little security, also discourages workers from taking risks, even when the risks might lead to innovation. The precarity makes it difficult to approach one’s supervisors and ask for sick days, let alone personal time to go down rabbit holes. It makes it frightening to change fields or spend money on any project that might result in even more precarity.

Notably, the corporate structure itself has been known to stifle creation. Many corporate firms are under the effective control of shareholders, to whom managers owe a fiduciary duty to maximize profits. Shareholders who believe this duty has been breached typically have the right to sue the corporation. While this power can be used for the greater good—note how Tesla was sued by shareholders in response to its poor safety record—it also opens the door to shortsighted shareholders. One DuPont shareholder, for example, demanded the chemical company “not invest a single dollar in research that will not generate a positive return within f ive years.” What’s more, according to a 2017 working paper by the Institute for New Economic Thinking, “Many of America’s largest corporations, Pfizer and Merck among them, routinely distribute more than 100% of profits to shareholders, generating the extra cash by reducing reserves, selling off assets, taking on debt or laying off employees.”

Even the most creative of workers who make it into innovative roles in the private sector may find themselves starved of resources. As professors Chen Lin and Sibo Liu of the University of Hong Kong, and Gustavo Manso of the University of California, Berkeley, explain in a 2018 study, the threat of shareholder litigation generally discourages managers from “experimenting [with] new ideas,” which acts as an “uncontrolled tax on innovation.”

#### Cap turns China War – capitalism is a global oligarchy that creates geopolitical tensions with China, ensures military conflict

Cecilia Rikap 21. Professor of Economics and Coordinator of YSI States and Markets Working Group, Institute for New Economic Thinking. “The Interplays of the United States, China and their Intellectual Monopolies.” *Capitalism, Power and Innovation Intellectual Monopoly Capitalism Uncovered*. Routledge. 2021. 77-80.

As Strange (1996) anticipated, the decline of the state’s power vis-à-vis corporations can be partly explained by the acceleration of technological change, which tilts the scale in favour of corporations. As identified by Feenberg (2010, p. 5) “political democracy is largely overshadowed by the enormous power wielded by the masters of technical systems”. Indeed, we should consider that powerful intellectual monopolies pass over their home states in specific contexts or respects.11 With this in mind we reconceived core states as one of capitalism’s multiple powerful actors.

Beyond explicit confrontations, since intellectual monopolies organize and plan production and innovation networks taking place in different countries, they generate an overlap of political realms with sometimes contradictory rules and norms. Who oversees production and innovation inside the networks organized by intellectual monopolies? The latter or the different states where intellectual monopolies’ production or innovation networks are based? To whom subordinate firms and other organizations are accountable for their actions? Their state or the intellectual monopoly coordinating the network? The simple answer is both. The complicated part is to identify what happens when they are in contradiction, and what are the consequences of this complex set of power structures for workers and subordinated organizations.

Intellectual monopolies have replaced state functions as policymakers. An extreme example recently disclosed is Eric Schmidt, Alphabet’s former executive chairman, advising the US federal government while still managing Alphabet. He was the chair of the US Defense Innovation Board, which recommended the use of artificial intelligence to the US Department of Defense. He also chaired the National Security Commission on Artificial Intelligence which advises the US Congress on analogous topics (Klein, 2020).

The government’s threat over China is – at least to some extent – driven by US data-driven intellectual monopolies’ concern over Chinese rivals like Alibaba, Tencent and Huawei. The CEOs of Google, Amazon, Facebook and Apple made this clear in their testimonies in the 2020 US Congress Hearing. As a remedy, Schmidt had been pushing for more public investment in research related to artificial intelligence and tech-enabling infrastructure (such as 5G) (Klein, 2020). Furthermore, these data-driven intellectual monopolies make their own rules and norms for their digital republics and, to some degree, replace the role of states. Facebook’s founder and chief executive, Mark Zuckerberg, states it clearly

Every day, platforms like Facebook have to make trade-offs on important social values – between free expression and safety, privacy and law enforcement, and between creating open systems and locking down data.12

(Mark Zuckerberg, Feb 16, 2020)

And immediately afterwards, he advocates for more public regulations and informs that Facebook is working together with different governments to that end. A similar claim was raised by Sundar Pichai, arguing that artificial intelligence needs to be regulated.13

The division of power is not clear, given that corporate power and planning capacities go beyond national frontiers and beyond the capital they own. Overall, there is a legal vacuum in the reach of each state’s power and where the power of the intellectual monopoly controlling a portion of global production and innovation begins. This vacuum allows intellectual monopolies to expand their power and profits.

Another source of conflict between intellectual monopolies and core states concerns the relative absence of the usual benefits of being home to big corporations: employment generation and tax payments. Considering their earnings, global leading corporations do not generate in their home countries expected employment due to outsourcing and offshoring (of production and innovation), which is particularly the case of US and also European intellectual monopolies. This has contributed to the rise in inequalities in these regions. The consequent social distress put pressure on stringent regulations. In the US, we referred in Section 2.1 to the 2017 Tax and Jobs Act (Public Law 115-97), but changes have not been significant.

US intellectual monopolies are masters of tax avoidance. As we mentioned before, operations leading to lower tax bills and financialized profits are easier for companies with higher shares of intangible over tangible assets. Offshoring IPRs to countries where corporations are not required to pay taxes for their intellectual property is a mechanism frequently used to divert profits to tax havens (Bryan et al., 2017) (see Chapter 7 on Apple’s case). By the end of 2016, the top ten companies in terms of offshored savings were: Apple, Microsoft, Cisco, Oracle, Alphabet, Johnson & Johnson, Pfizer, Qualcomm, Amgen and Merck (Pozsar, 2018).

In China, whose global intellectual monopolies sprang from the sustained stimulus and protection of its state, the latter’s central planning capacity is starting to find limits vis-à-vis new intellectual monopolies. These corporations were not born as the chosen ones by the state, but still enjoyed the benefits of China’s protectionism. The recent case of Bytedance provides a good example. The company was spending its Chinese profits to expand its unprofitable business in the US when the US government banned its blockbuster TikTok app. Bytedance was not among Beijing’s favoured companies, among others, because of the difficulties in controlling the videos uploaded to TikTok (Yang, 2020). Regardless of the end of the story between TikTok, the US and Chinese governments and US intellectual monopolies as potential buyers for part of TikTok’s business, what the case put forward was a possible surge of clashes between emerging Chinese (data-driven) intellectual monopolies and their state. Indeed, in late 2020 the Chinese state delayed Ant Group’s IPO, followed by the introduction of antitrust regulation for digital companies.

Meanwhile, Europe remained focused on increasing regulations on foreign data-driven intellectual monopolies, including different accusations of excessive market power and unfair competition. Unlike previous stages in capitalism, Europe risks playing in the subordinate side, where the peripheries have historically been and generally remain. Germany’s fear of falling behind the US and China’s tech giants should also be read as a broader European concern to lag (far) behind those core economies.14 Overall, Europe and Japan are latecomers of the digital economy, and this space is being filled primarily by China, emerging as a digital technological power (UNCTAD, 2019). Moreover, with a drop of eight companies between March 2009 and December 2019, Europe’s share of global top 100 corporations in market capitalization fell from 27% to 15%. This drop was taken over by the US (PWC, 2020). Regulating the digital economy could thus be seen as Europe’s geopolitical rebalancing move.15

5 Final remarks

In this chapter, we argued that core states and certain corporations built a mutually beneficial relationship. We identified US and Chinese policies that contributed to the emergence and spread of global intellectual monopolies. Likewise, we elaborated on how these corporate leaders sustain and expand their respective countries’ geopolitical power. Nevertheless, we also addressed states’ concerns and the overall tensions of the juxtaposition of power between core states and intellectual monopolies.

The US state cannot afford to lose its intellectual monopolies since its global hegemon power significantly depends on those companies. Likewise, it cannot afford to let its intellectual monopolies be given their consequences for income and wealth concentration resulting in increasing social unrest. From the US state perspective, the technological war with China is necessary to remain the only superpower. Nevertheless, this conflict is also a powerful device to redirect public attention and blame – as it has always been the case of the United States – an “other” of the internal consequences of home (and global) capitalism.

Neither can the Chinese state afford to lose its alliance with its intellectual monopolies. Its national innovation system and geopolitical power are based on a strong partnership – although not without tensions – between China’s state and intellectual monopolies, the only ones challenging the US and its intellectual monopolies.

All in all, the US and Chinese states have benefited from their respective intellectual monopolies to build and reinforce their geopolitical power. Meanwhile, in the rest of the world, knowledge and data extractivisms are further expanding inequalities, diminishing social well-being and curtailing development opportunities (see Chapters 11–13). The resulting world scenario is a ticking bomb.

A missing piece in this puzzle that will be addressed in future research concerns integrating international organizations to our analysis, seeking to understand how intellectual monopolies influence them and their role as arenas of core states’ contest for global hegemony. Let us just point out that each time the US withdraws from international coordination, China moves forward. Remarkably, during Trump’s administration, the US withdrew from international treaties and organizations, putting into question its historical openness. A possible interpretation could be that the hegemon fosters an open world economy but as far as it benefits from it.

To conclude, beyond the focus on the US and China, this chapter has also made self-evident that unfolding the interplay between state and corporate power is always context-dependent. While in some contexts the state rules over global leader corporations, the latter overcome even core states’ power in other contexts. As capitalism develops through the interplay of its powerful actors, it is not possible to anticipate concrete outcomes of such a multifaceted relationship. Neither can we anticipate the counter-hegemonic tendencies that, as Cox (1981) emphasized, generally emerge to oppose the state and world order structures of capitalism. The institutions that will lead the counter-offensive to intellectual monopoly capitalism remains to be seen.

#### Alt solves war – changes calculi that enable conflict

Wills et al 20 [Wills. Professor of History, Brooklyn College, CUNY. Joseph Entin, Professor of American Studies, Brooklyn College, CUNY. Richard Ohmann, Professor Emeritus of English, Wesleyan University. “’Resist, Rethink, and Restructure’: Teaching About Capitalism, War, and Empire in a Time of COVID-19.” *Radical Teacher* (117): 5-6. DOI: 10.5195/rt.2020.792]

Moreover, endless spending on war has had dire consequences for those living within the United States and its territories. With monopoly capitalists, systems integrators, and military-intelligence contractors exercising undue influence over both federal and state spending, the United States has created international chaos and a “Homeland Security Bubble” on the verge of collapse. With the Bush administration gutting the Federal Emergency Management Agency (FEMA) and increasing its military-surveillance-prison budget year-after-year, the world has watched in horror as the United States fails to protect people within its own borders, beginning with Hurricane Katrina and thereafter showing its inability to meet the challenges of the next in a series of climate disasters. As the ongoing deregulation of the financial services sector continued during the first decade of the 21st century, George W. Bush also called upon Americans to mortgage their futures on consumption as a patriotic duty. When combined with risky financial instruments, and billion-dollar markets opened up for small- and medium-sized “Homeland Security” providers in North America, Internet and other forms of consumption also created the context for a real-estate bubble that collapsed in 2006 and ushered in the Great Recession of 2008. To make U.S. war-making less visible as the Obama administration focused on restoring an economy teetering on the brink of another depression, drone strikes became more common even if spending on the military declined from a then-high of $824 billion in 2008 to $621 in 2016.9

Over the past twenty years, the response to every crisis, at both the federal as well as state and local levels, has consistently centered on funding for war, policing, and surveillance, tax cuts for the ultra-wealthy, and austerity programs that have eviscerated budgets for public health, transportation, education, and other social-essential services. The Trump administration has merely made things much, much worse: “re-branding” the United States from a mythological nation of immigrants who welcome all-comers to a walled society intolerant of anyone other than those who are white, fomenting what Americans have described under right-wing dictatorships as “death squads” (white nationalists, the police, the military, second amendment revisionists, and others) to engage in an all-out war against black and brown people, and advancing a more rabid doctrine of private property rights at the expense of Americans, the undocumented, the global population, and other “barriers” to expansion as the country plunges more deeply into the authoritarian state Trump and his enablers fetish, no matter the cost. The 25 May 2020 public lynching of George Floyd by members of the Minneapolis Police Department is symptomatic of a much longer history, one we desperately need to unpack, not only for those who already understand that this nation needs structural change, but also for those who still refuse to come to terms with the United States’ catastrophic trajectory.

Drawing on his 20-year experience in studying, writing, and teaching about war, Vine provides a thoughtful and comprehensive list of suggestions about how we might more effectively engage people from a variety of backgrounds, respecting those we meet in the classroom where we find them, then gently guiding them through the mythology, misinformation, and mystification of the post-9/11 rationale for militarization, and on to alternative visions of the future. In addition to the many proposals and resources he offers, Vine suggests that we need to show how much wars have cost, and the trade-offs of war spending, including comparisons of military spending versus spending on universal free education and the eradication of student debt. He additionally cautions that we need to focus on the system rather than the soldier, making capitalism, settler-colonialism, Native Americans and indigenous communities, people of color, U.S. territories and overseas colonies and military bases, and the human toll of war and empire visible in ways that expose militarization as neither natural nor inevitable no matter the time period. Employing intersectionality more broadly also allows us to make displacement, racism, sexism, and hypermasculinity more visible, along with the militarization of policing in communities of color and poor neighborhoods, along the U.S.-Mexican border, and within white supremacist militia movements. At the same time, it offers the opportunity to connect these phenomena to dissent and anti-war, civil rights, and other social movements focused on “climate justice, universal health care, labor, racial justice, gender equality, and LGBTQI+ rights.” Doing so will have the added benefit of countering the historical amnesia and clouds of forgetfulness that have infused education in the United States.

Much of this work can be done, Vine suggests, by assigning research projects focused on investigating the long arm of institutions involved in the military-industrial-academic-prison-surveillance complex, and by turning classrooms into “war clinics,” ones that take people out of the classroom to work with various groups, including but not limited to Code Pink, the Costs of War Project, the Institute for Policy Studies, veterans groups, and anti-recruitment/war/military base movements. We would also suggest that readers of Radical Teacher delve into Vine’s latest book—The United States of War: A Global History of America’s Conflicts, from Columbus to the Islamic State (University of California Press, 2020)—along with Daniel Immerwahr’s How to Hide an Empire: A Short History of the United States (Vintage, 2020), both excellent primers about how the United States—along with the global capital markets, multinational corporations, and international organizations it has long dominated—has deepened the integration of an increasingly globalized military-industrial-intelligence complex.

All of this might seem like a heavy lift, but as we know from our own experiences on campus and beyond it, those who embrace capitalism as an article of faith do not necessarily know what it means or implies. Once defined and unpacked, however, capitalism’s profit motive, insatiable appetite for expansion, and internal contradictions make clearer the ways in which inhabitants of the United States, particularly since World War II, have slowly but surely acquiesced to the “privatization and militarization of everything,” to the belief that the nation’s imperial ambitions are for the greater good of humanity, that the benefits and conveniences of surveillance technologies developed for the military (the computer, the Internet, GPS tracking, drones, and so on) outweigh the costs; that is, until they learn about the provenance of the U.S. command economy, examine the numbers, and realize that they can never again unsee the bedeviling trade-offs they have unwittingly sanctioned: warmaking for profit versus healthcare and education; resource extraction versus environmental protections; surveillance versus convenience; and the snare and delusion that technologies can solve our larger political, social, and economic problems versus actually tackling them through structural change. As sociologist Vincent Mosco observed after the dot.com bubble burst at the turn of the 21st century, “Myth is not a gloss on reality; it embodies its own reality. These views are especially difficult for people to swallow as the chorus grows for the view that we are entering a new age, a time so significant that it merits the conclusion that we have entered ‘the end of history.’” But he also asserted that such myths fail “to consider the potential for a profound contradiction between the idea of a liberal democracy and the growing control of the world’s political economy by the concentrated power of its largest businesses.”10 As the rest of the essays in this volume make clear, we may live in the present, but we carry our histories with us; and therefore need to confront those histories, make them more visible, if we hope to change course.

As a complement to Vine’s piece, William J. Astore shares his decades-long experiences as a retired lieutenant colonel, professor of history, academic administrator, author of books on Vietnam and the aerospace industry, and regular contributor to various publications, including TomDispatch.com, CounterPunch, and Truthout. His “Militarism and Education in America” makes another vital pedagogical intervention. Astore emphasizes the need for critical thinking about and resistance to what he describes as the “soft militarism” of American society, including but hardly limited to the commodification of an education “infused with militarism,” and a popular culture of films, literature, and performative acts that celebrate war and spectacular feats of violence. He also unveils many of the other ways in which the military influences education, including the hiring of retired generals and admirals to run universities “even though they have no experience in education,” military fly-overs at football games and other militaristic displays and celebrations, ROTC recruiting at high schools and on college campuses, funding to universities that push them to become “feeders to the military-industrial complex and the wider intelligence community,” pension plans heavily invested in military expansion, and every other act that sells education as a commodity “for private gain rather than a process of learning for the public good.” Among the antidotes he recommends, Astore suggests antiwar comic/graphic books that can reach wider audiences, “impact maps” that show the military suppliers who have entered states in which campus communities live, research into the “revolving door” between senior military officers and major defense contractors, and collaborative projects with organizations such as Veterans for Peace and About Face: Veterans Against the War.

As the rest of the essays in this volume make clear, we may live in the present, but we carry our histories with us; and therefore need to confront those histories, make them more visible, if we hope to change course.

## Disease

#### Cap turns disease

#### A – Health care market incents pandemics, monocultures erode health

Rose 21 [Nick. PhD in Political Ecology from RMIT University. Executive Director of Sustain: The Australian Food Network. From the Cancer Stage of Capitalism to the Political Principle of the Common: The Social Immune Response of “Food as Commons.” Int J Health Policy Manag 2021. 3-31-21. DOI: 10.34172/ijhpm.2021.20 //shree]

Such suffering at the individual and population level is, however, a significant commercial opportunity for the corporate players in the global healthcare market, valued at $US8.45 trillion in 2018, and, with an anticipated compounding annual growth rate of nearly 9%, expected to reach nearly $US12 trillion by 2022.23 In a revealing statement, a recent Businesswire commentary on this booming sector noted that:

“Going forward, faster economic growth, technological developments and the increasing prevalence of diseases due to rising busy and sedentary lifestyles will drive the growth [of the global healthcare market]. Factors that could hinder the growth of this market in the future are rising interest rates, increasing awareness of alternative therapies and natural remedies, government provisions in healthcare services, and stringent government regulations”23 (emphasis added).

The implication here is that greater public spending on healthcare and better public health generally are, from the perspective of the private healthcare market, unwelcome, insofar as they inhibit increasing profit. From the standpoint of ethics and a commitment to basic human rights, including the right to the highest attainable standard of health, such reasoning can only be described as perverse. And yet it is widely accepted as the ‘common sense’ of industry and financial markets, as well as being reinforced in a directly material sense by highly effective lobbying efforts aimed at inhibiting public health measures such as a sugar tax.24

In terms of the ecological impacts, large-scale industrialised monocultures and the deforestation and land-use change that they entail are major drivers of anthropogenic climate change, with the food system accounting for as much as 37% of all greenhouse gas emissions, according to the Intergovernmental Panel on Climate Change.25 Such practices are also major drivers of the ‘unprecedented’ rapid decline in ecosystems and accelerating rate of species extinction, leading to humanity ‘eroding the very foundations of our economies, livelihoods, food security, health and quality of life worldwide;’ this being the conclusion of the most comprehensive assessment of the state of planetary ecosystems ever undertaken by the world’s leading scientists in their respective fields.26

Summarising these and other major datasets, 16 leading biophysical scientists, in a paper published in January 2021, stated that ‘the scale of the threats to the biosphere and all its lifeforms – including humanity – is so great that is difficult to grasp for even well-informed experts.’27 They added that the current political and policy responses were woefully inadequate to the extent and severity of the crisis, concluding that:

“The gravity of the situation requires fundamental changes to global capitalism, education, and equality, which include inter alia the abolition of perpetual economic growth, properly pricing externalities, a rapid exit from fossil-fuel use, strict regulation of markets and property acquisition, reigning in corporate lobbying, and the empowerment of women.”27

Absent such thorough-going structural changes, they warned, the future in the coming decades would be ‘ghastly.’ They thus concluded with an exhortation to ‘experts in any discipline that deals with the future of the biosphere and human well-being to eschew reticence, avoid sugar-coating the overwhelming challenges and “tell it like it is.” Anything else is misleading at best, or negligent and potentially lethal for the human enterprise at worst.’27 This paper is written in the spirit of that academic and scientific call to arms.

#### B – Profit motive net increases new disease – empirics

Broughton 20. [Alan, Active Member of the Organic Agriculture Association and is a co-author of Sustainable Agriculture vs Corporate Greed. Capitalist greed and biodiversity loss is spawning new deadly diseases. Green Left. 05-16-2020. https://www.greenleft.org.au/content/capitalist-greed-and-biodiversity-loss-spawning-new-deadly-diseases]

Diseases such as COVID-19 have been predicted by various disease ecologists.

In Spillover: Animal Infections and the Next Human Pandemic, David Quammen wrote in 2012 about the likelihood of virulent infectious diseases because of urban sprawl, pesticides and international trade, which has altered ecosystems and damaged biodiversity, letting loose the viruses that were once confined to wildlife.

Dr Peter Daszak, a contributor to the World Health Organization Register of Priority Diseases, called it Disease X in 2018, well before COVID-19 broke out.

The number of new infectious diseases has tripled each decade since the 1980s: there have been at least 300 in the past 50 years, 72% of which originated in wildlife.

Ebola arrived via a chimpanzee that was caught and consumed in Gabon; it killed 90% of infected people. It is suspected to have been passed on to chimpanzees from bats, forced to inhabit the same ecosystems and compete for the same food sources by deforestation.

Middle East Respiratory Syndrome (MERS) passed from bats to camels and then to the camel handlers. Hendra virus came from fruit bats, urbanised because of loss of habitat, and was passed on to horses and people.

Kyasanur Forest Disease in India spread from monkeys to humans via ticks as monkeys invaded human territory when theirs was lost through deforestation.

Nipah virus in Malaysia spread from fruit bats driven from the forest by clearing on to mango trees, into pigs via bat droppings and saliva, and then on to the farmers. HIV-AIDS, Zika, Severe acute respiratory syndrome (SARS), bird flu and West Nile viruses all came from wild animals.

COVID-19 is likely to have passed by bats to another animal, possibly a pangolin, then on to humans trading in wild animals.

Disrupted ecosytems

David Quammen said: “We cut the trees, we kill the animals or cage them and send them to markets. We disrupt ecosystems, and we shake loose viruses from their natural hosts. When that happens, they need a new host. Often, we are it.”

As Joachim Spangenberg from the Sustainable Europe Research Institute wrote: “We are creating this situation, not the animals”.

Ending the trade in wildlife sounds like a simple solution but suppression could drive it underground where hygiene is likely to be worse. Many people are dependent on the trade for their income and sustenance.

The issues of poverty, unemployment and food insecurity need to be addressed at the same time. Simply blaming bush meat, which has been consumed since the start of human history, does not address the key issue — biodiversity loss.

The extent tropical forests has been halved in the past century. When animals at the top of the food chain disappear, those at the bottom, such as rats and mice that normally carry more pathogens, take up the space.

Habitat loss forces animals and their diseases to go elsewhere. Species in degraded ecosystems carry more disease.

Natural animal habitats are being destroyed for monocultural agricultural production by corporations — soy, corn and palm oil — and for logging, mining, roads and urbanisation. The consequences of this practice are not factored into the extracted profits.

Climate change

Climate change is another factor. As climatic zones are altered wildlife migrates to new areas and interacts with species it never did before, passing on its diseases.

COVID-19 has a low mortality rate — about 1% — but is highly infectious.

The Ebola mortality rate is 90%, but infection does not spread easily. A new disease with the mortality rate of Ebola and the infection rate of COVID-19, or the flu, would be far more devastating than either alone.

If the world continues to allow the unrestricted greed of profit to destroy the world’s natural and agricultural ecosystems, such an outcome becomes more likely. We live in a world where profits are privatised, but the ecological consequences are paid for by everybody.

Indian agroecologist Vandana Shiva says that the profit motive separates humans from the ecosystems that life, including us, depends on: “As forests are destroyed, as our farms become industrial monocultures to produce toxic, nutritionally empty commodities, and our diets become degraded through industrial processing with synthetic chemicals and genetic engineering in labs, we become connected through disease.”

COVID-19 was predicted, and inevitable, because of how nature is treated. As well as treating the epidemic, and preparing for the next one, we have to address the root cause, restoring the broken link between humans and the environment.

#### Red innovation solves disease – open source, public funds, fearless development

Bee 20 [Vanessa A. Bee. Senior Litigation Counsel at the Consumer Financial Protection Bureau with a JD from Harvard Law. Would We Have Already Had a COVID-19 Vaccine Under Socialism?. No Publication. 4-20-2020. https://inthesetimes.com/features/covid-19-coronavirus-vaccine-capitalism-socialism-innovation.html]

SHARING IS CARING—AND ABSOLUTELY NECESSARY

CityLab reports that, in response to the pandemic and the scarcity of official information, “a group of coders, analysts, scientists, journalists and others are working to follow coronavirus testing across the country through an open-sourced database called the COVID Tracking Project.”

Open-source communities have existed since the 1980s and have contributed to a range of innovations, from the creation of the internet to cheaper prosthetics and better disaster management systems. Typically, these online open-source collectives are made up of unpaid volunteers who contribute code and features meant to be used freely. A 2006 study from the University of Illinois set out to understand why coders would donate hours of their personal time to open-source projects. Researchers found that some enjoyed the freedom and creativity of managing their own work and disliked the hierarchical communities that claimed exclusive control over projects. Other coders said they had withheld their labor from more privatized projects because seeing their contributions redirected to private hands sapped both creativity and motivation.

The European Organization for Nuclear Research in Switzerland, known as CERN, has long adhered to an “open-source” philosophy, the belief that “the recipients of technology should have access to all its building blocks … to study it, modify it and redistribute it to others.” This communal ethic has helped support incredibly innovative projects. CERN operates a massive particle physics laboratory; its Large Hadron Collider (LHC) particle accelerator runs 17 miles underground and relies on collaboration networks developed through the open-source cloud system OpenStack. The LHC discovered the Higgs boson particle in 2012, earning a Nobel Prize for physicists Peter Higgs and François Englert. Two years after the Higgs boson discovery, CERN made data from its LHC experiments free to the public through an open data portal, which CERN then-Director General Rolf-Dieter Heuer hoped would “support and inspire the global research community, including students and citizen scientists.”

Some of the most innovative companies in America are now open-sourcing certain projects. On the heels of four years of lawsuits over a number of smartphone patents in 2014, for instance, Apple and Google announced they would settle out of court and “work together” on patent reform. The next year, Microsoft and Google co-founded the open-source Alliance for Open Media. A number of other companies came on board, including Apple, Amazon, Intel, Cisco, Facebook, Mozilla and Netflix. Its goal was to improve video compression technology, which had been held hostage by two patent holders charging millions in licensing fees. Netflix reported the new, open-source, royalty-free video technology improved its compression efficiency by 20%.

Rather than causing the imagination to stagnate, the Alliance for Open Media’s adoption of socialist principles benefited all involved—the larger media industry and their consumers alike. Of course, as Google demonstrated when it recently fired five employees involved in union organizing, the corporations involved are not challenging the economic status quo—they benefit from the precarity of work and go to great lengths to protect their bottom line. It is also highly likely that, aside from open-source advocates like Mozilla, most members of the Alliance for Open Media joined because it was economically advantageous. Intel’s director of strategy and planning, for example, explained his company believed the open-source project would “lower delivery costs across consumer and business devices as well as the cloud’s video delivery infrastructure.”

Without the likely economic benefit, it is difficult to say whether the Alliance for Open Media would have ever formed—and it is precisely because of this uncertainty that a more dramatic shift to a socialist economy is necessary to maximize new innovation. Those in power stand to benefit from sowing fear around socialism, but the rest of us would be better off in a society reorganized around democracy, equality, solidarity, autonomy and collective ownership.

That shift would mean more publicly funded medical research and cheaper drugs reaching those in need faster. It would mean more fearless development, unimpeded by expensive shareholder lawsuits and patent disputes. It would mean life-saving drugs like Truvada being available for all, rather than all who can afford them, and widespread economic security through the kind of safety net that empowers anyone to explore their talents, rather than just the children of the welloff. It would mean labor rights that allow workers to shape their working conditions and turn workplaces into places where ideas can thrive. It would mean an expansion of the open-source philosophy to promote free knowledge and perspectives, with collective ownership of the discoveries fueled by collective investment. It would mean an unwavering commitment to the funding of public institutions and projects, without a constant eye toward financial return.

And perhaps paramount in our minds in this moment: It would mean developing a vaccine against a disease as dangerous as COVID-19—before it could become a global pandemic. 

## Notice and Comment

### AT: Perm N&C on Something Else---2NC

#### AND, Admin law is precedent setting---genuine consultation now becomes inalienable---the plan and perm signal nullification is legitimate.

Giulio Napolitano 14. Professor of Administrative Law, Law Department, University of Roma Tre. "Conflicts and strategies in administrative law". OUP Academic. 8-1-2014. https://academic.oup.com/icon/article/12/2/357/710357

Conflicts in administrative law are not a single-battle war. Every move of an actor responds to the moves made by others. That’s why administrative law is a repeated interactions game. Each move is incremental and path-dependent. Devices and mechanisms set up in the previous round cannot be easily and fully dismantled.

Let’s take the example of independent authorities. Once they are established in order to insulate the implementation of specific policies from the influence of the government or from the pressure from local interests, it becomes difficult to abolish them: even when the rule-making power comes back into the hands of national legislators or executives. As a consequence, reactions must be fine-tuned and sophisticated. The preferred solutions will be, for instance, the transfer of a specific power from the regulatory agency to the executive, or the submission of some sensible prerogatives of the independent body to ex ante directives or ex post approval by a political actor.36

Further, procedural rights are difficult to withdraw: even more than organizational devices. Once they have been recognized, even if sometimes for purely instrumental reasons of fire-alarm signaling, they become sanctified as inalienable rights.37 That’s why adjustments and reactions must be interstitial: the right to be heard and other prerogatives of private actors cannot be nullified. Changing time limit for comments, enlarging or restricting addressees of participatory rights, shifting the burden of proof from the acting agency to private parties, and vice-versa, are among the most preferred solutions.

### AT: PDCP---2NC---LONG

#### Perms sever the mandate of the plan---counterplan doesn’t fiat antitrust law but recommends a rule---process could result in no change---makes the affirmative conditional and a moving target.

[IF NOT READ YET]

Justia 21. "Notice and Comment Process for Agency Rulemaking". Updated: May 2021. Accessed: 8/26/2021. https://www.justia.com/administrative-law/rulemaking-writing-agency-regulations/notice-and-comment/

Agencies must consider all “relevant matter presented” during the comment period, and they must respond in some form to all comments received. They are not, however, required to take any specific action with regard to the rule itself. The publication of the final rule must include analyses of any relevant data or other materials submitted by the public and a justification of the form of the final rule in light of the comments the agency received.

If opposition to the proposed rule is exceptionally large or strident, the agency may decide to make substantial modifications and start the process over by publishing a new notice and opening a new comment period. Otherwise, the agency will publish its final findings along with the rule, which is codified in the Code of Federal Regulations.

#### 1---“Resolved”---means certain.

Webster’s Revised Dictionary 1996 ((1.) RESOLVED MEANS “HAVING A FIXED PURPOSE; DETERMINED; RESOLUTE”)

#### 2---Should is mandatory

Court of Appeals of Arizona, Division 1, Department D. 02. IN RE: the Marriage of Vanessa A. McNUTT, Petitioner-Appellee, v. Shane M. McNUTT, Respondent-Appellant. No. 1 CA-CV 01-0255. Decided: June 27, 2002 https://caselaw.findlaw.com/az-court-of-appeals/1315322.html

¶ 26 The word “should” is most commonly used to express obligation or duty.   See The American Heritage Dictionary 1670 (3d ed.1992).   We conclude that, based on the intent of the Guidelines and the interest of parents in the allocation of the federal tax exemption, the word “should” as used in § 25 of the Guidelines is mandatory rather than discretionary.   See Lincoln v. Lincoln, 155 Ariz. 272, 276, 746 P.2d 13, 17 (App.1987) (holding that the trial court abused its discretion by refusing to allocate the dependency exemption).   Thus, the trial court abused its discretion by failing to allocate the federal tax exemption, and we direct the trial court to allocate the exemption on remand.

#### 3---“Substantial”---means full not merely possible.

Words & Phrases 64 (40 W&P 759)

The words “outward, open, actual, visible, substantial, and exclusive,” in connection with a change of possession, mean substantially the same thing. They mean not concealed; not hidden; exposed to view; free from concealment, dissimulation, reserve, or disguise; in full existence; denoting that which not merely can be, but is opposed to potential, apparent, constructive, and imaginary; veritable; genuine; certain; absolute; real at present time, as a matter of fact, not merely nominal; opposed to form; actually existing; true; not including admitting, or pertaining to any others; undivided; sole; opposed to inclusive.

#### 4---“Prohibitions”---eliminates all possibility that the activity is legal---the counterplan is a restriction.

PEDIAA 15. “Difference Between Prohibited and Restricted”. https://pediaa.com/difference-between-prohibited-and-restricted/

Main Difference – Prohibited vs. Restricted

Prohibited and Restricted are used in reference to limitations and prevention. However, they cannot be used interchangeably as there is a distinct difference between them. Prohibited is used when we are talking about an impossibility. Restricted is used when we are talking about something that has specific conditions. The main difference between prohibited and restricted is that prohibited means something is formally forbidden by law or authority whereas restricted means something is put under control or limits.

What Does Prohibited Mean

Prohibited is a variant of the verb prohibit. Prohibited can be taken as the past tense and past participle of prohibiting as well as an adjective. Prohibited means that something is formally forbidden by law or authority. When we say ‘smoking is prohibited’, it means that smoking is not allowed at all, there are no exceptions. Prohibit indicates an impossibility. This gives out the idea that it is not at all possible under any condition or circumstance. The term Prohibited goods is used to refer to items that are not allowed to enter or exit certain countries. For example, the government of South America lists Narcotic and habit-forming drugs in any form, Poison and other toxic substances, Fully automatic, military and unnumbered weapons, explosives and fireworks as prohibited goods. The following sentences will further explain the use of prohibited.

Inter-racial marriages were not prohibited by the government.

He was proved guilty of using prohibited substances.

No one was allowed to enter the grounds; entry was prohibited.

Prohibited imports are the items that are not allowed to enter a country.Difference Between Prohibited and Restricted

What Does Restricted Mean

Restrict means to put under limits or control. Restricted can be either used as the past tense of restrict or as an adjective meaning limited. When we say something is restricted, it means that limits or conditions have been added to it. It does not mean that it is completely impossible. For example, Restricted goods are allowed to enter or exit a country under certain circumstances. A written permission can help you to import or export that item. Likewise, a restricted area does not mean that people are not allowed to enter; it means that a special permission is required to enter the place. Restricted information refers to information that are not disclosed to the general public for security purposes.

The new regulations restricted the free movement of people.

The club was restricted to its members and their family members.

Only the highest military personnel had access to the restricted area.

American scientists had only restricted access to the area.Main difference - Prohibited vs Restricted

Difference Between Prohibited and Restricted

Meaning

Prohibited means banned or forbidden.

Restricted means limited in extent, number, scope, or action

Possibility

Prohibited means that there is no possibility of doing something.

Restricted means that something can be done under certain conditions.

Adjective

Prohibited functions as an adjective derived from prohibit.

Restricted functions as an adjective derived from restrict.

Past tense

Prohibited is the past tense and past participle of prohibit.

Restricted is the past tense and past participle of restrict.

#### 5---“Anticompetitive”---competition policy doesn’t go through notice and comment.

Spencer Weber Waller 19. John Paul Stevens Chair in Competition Law and Director, Institute for Consumer Antitrust Studies, Loyola University Chicago School of Law. “Antitrust and Democracy”, 46 FLA. St. U. L. REV. 807 (2019).

The question of judicial deference to a FTC decision is a more complicated matter. The FTC is an independent regulatory agency established by Congress with powers over both consumer protection and competition matters. 2 00 The FTC Act prohibits both unfair methods of competition, and unfair and deceptive acts and practices. 2 0 1 The FTC also enforces a wide variety of other statutes that relate to consumer protection and privacy.202 The FTC engages in notice and comment rulemaking in consumer protection, but not in competition matters. 2 03

#### 6---“Expansion” to “antitrust law” must be binding and immediate.

Anu Bradford and Adam Chilton 19. Anu Bradford, Henry L. Moses Professor of Law and International Organization, Columbia Law School. Adam S. Chilton, Assistant Professor of Law and Walter Mander Research Scholar. “Competition Law Gone Global: Introducing the Comparative Competition Law and Enforcement Datasets.” Codebook for Version 1. “Comparative Competition Law Dataset”. “CCL\_Law\_Data\_Ver1.dta”. Journal of Empirical Legal Studies 16(2): 411-443.

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| --- | --- |
| Threshold for a “law” that triggers coding | Code all laws, regulations, and constitutional provisions on competition that appear to be legally binding. Ask yourself whether the competition agency could rely on this particular document as a legal basis for bringing an enforcement action or reaching a certain decision. If the document is a mere notice of enforcement priorities, a white paper on planned (future) changes in remedies, or a guideline elaborating on how the agency approaches the questions of market definition, etc., exclude the document from the set of laws that you code. As the name of the document (Regulation v. Guideline) is not always conclusive in revealing its legal status, this may require you to read through the text of a document, or do some additional background investigation to determine whether it should be coded. If you are uncertain, reach out to Lead Coders for guidance – this can be very tricky to determine, particularly as you get used to the survey instrument and coding procedure. |

#### 7---“Expand the scope”---doesn’t occur until a case is won.

Gibson Dunn 21. Lawfirm. Gibson Dunn partner Howard S. Hogan served as an expert witness for 1-800 Contacts. "Second Circuit Issues Important Ruling on Trademark Settlements and Antitrust/IP Interface". Gibson Dunn. 6-14-2021. https://www.gibsondunn.com/second-circuit-issues-important-ruling-on-trademark-settlements-and-antitrust-ip-interface/

Finally, the decision in 1-800 Contacts also serves as a reminder that, in an era in which commentators are encouraging more aggressive and novel antitrust enforcement, the federal judiciary remains the ultimate arbiter of federal antitrust policy. Enforcers seeking to expand the scope of U.S. antitrust law must do more than bring novel cases—they must also prove their cases with hard facts in a court of law.

### Theory---2NC

#### 1---Optimal policymaking---comparison of policymaking settings is key.

C. Scott Hemphill 09. Associate Professor and Milton Handler Fellow, Columbia Law School. “An Aggregate Approach to Antitrust: Using New Data and Rulemaking to Preserve Drug Competition”. Columbia Law Review. https://poseidon01.ssrn.com/delivery.php?ID=588125096113080096106002107108097121035031077054017013065114020077027104102087029081118107106002104019004112030074020109103121006086087059083005011081071001076076040034056104112070118104110067012020072022093015084126127025065066072121017026087065093&EXT=pdf&INDEX=TRUE

B. Antitrust Rulemaking

The previous section advocates a focused increase in the FTC’s “competition policy research and development.”174 If the FTC accepted the suggestion, it would eventually reach a firm, empirically grounded conclusion about the optimal policy for side deals, and thus either confirm or reject the conclusion reached in Part II. That conclusion could be deployed in a variety of policymaking settings, including litigation brought by the Agency, amicus practice, and advocacy for congressional legislation. This section considers a further possibility, that a comprehensive aggregate study of settlement practice could form the basis for substantive policymaking by the Agency in the form of rulemaking.

There is of course an enormous literature on the choice of courts versus agencies, adjudication versus rulemaking, and rules versus standards, and this Article does not engage the full complexity of those debates. My goal here is simply to suggest how the virtues of an aggregate perspective on settlement practice shift the balance in a way that favors agency rulemaking. In other words, the settlement issue highlights certain advantages of moving away from a court-centered model of antitrust law.

#### 2---Literature---rulemaking is an enormous debate---deleting it is unpredictable and anti-educational.

Rohit Chopra and Lina Khan 20. Rohit Chopra, Commissioner, Federal Trade Commission. And Lina M. Khan, Academic Fellow, Columbia Law School; Counsel, Subcommittee on Antitrust, Commercial, and Administrative Law, US House Committee on the Judiciary; former Legal Fellow, Federal Trade Commission. “The Case for "Unfair Methods of Competition" Rulemaking”. The University of Chicago Law Review , Vol. 87, No. 2 (March 2020), pp. 357-380. https://www.jstor.org/stable/10.2307/26892415

We agree that relying solely on adjudication to define the substance of § 5 has generated persistent ambiguity. However, relying on courtroom battles to create precedents that set expectations for the marketplace is not the only vehicle through which the Commission can establish what conduct constitutes an “unfair method of competition.” The Commission has in its arsenal a far more effective tool that would provide greater notice to the marketplace and that is developed through a more transparent and participatory process: rulemaking. Through engaging in rulemaking, the Commission could define “unfair methods of competition” through processes established by the Administrative Procedure Act38 (APA).39

There is an enormous body of literature on the choice between adjudication and rulemaking, and this Essay does not seek to fully address the various trade-offs.40 Instead, our goal is to reflect on the current state of antitrust enforcement and consider ways to address the ambiguity, burdens, and democratic deficiency that we discuss above.

#### 4---Topic Education---mechanism is the most important question---sidelining it ruins antitrust policy.

Alison Jones and William E. Kovacic 20. Alison Jones, King’s College London, London, United Kingdom. William E. Kovacic, King’s College London, George Washington University, and United Kingdom Competition and Markets Authority, "Antitrust’s Implementation Blind Side: Challenges to Major Expansion of U.S. Competition Policy". SAGE Journals. 3-20-2020. https://journals.sagepub.com/doi/10.1177/0003603X20912884 https://journals.sagepub.com/doi/10.1177/0003603X20912884

In this article, we do not debate the condition of competition in the U.S. economy, nor do we assess the substantive merits of the respective measures proposed to correct the market and policy deficiencies identified. Instead, we focus on a less noticed issue—the policy implementation challenges that stand between the soaring reform aspirations and their effective realization in practice. We thus take the reform recommendations—presented in scholarly papers, blue-ribbon studies, and in popular essays—at face value, and ask what legislators and policy makers must do to land them. For example, assuming that more aggressive antitrust enforcement is required, how can an effective program actually be delivered—through winning antitrust cases and securing positive change—and how can it be delivered well?

In our view, these “implementation” issues have tended to be overlooked in the modern critique and to have been too quickly side-lined as technical details to be (easily) addressed once the high-level concepts of a bold antitrust program have been settled.21 Implementation is not, however, a simple matter that will necessarily sort itself out once the intellectual architecture is in place. Rather, inattention to implementation challenges invites serious disappointment by creating a chasm between elevated policy commitments and the capacity of responsible public institutions (competition agencies, new regulators, and the courts) to produce expected outcomes. This is the implementation blindside. Unless the blindside is acknowledged and addressed, there is a significant risk that a major reform program will engage considerable resources, public and private, in initiatives that fall well short of their goals. Instead of restoring confidence in the ability of government agencies to enforce antitrust laws effectively, a failed effort might merely reinforce doubts, and cynicism, about the quality of public administration.

This article analyzes important impediments that are likely, if not carefully addressed, to hamper the delivery of the current proposals to expand competition policy significantly and propose ways to overcome them. It commences in Part II by introducing the principal flaws that modern commentary attributes to U.S. antitrust policy (the “crisis in antirust”), before describing some of the proposals offered to bolster competition, strengthen antitrust policy, and restore its centrality as a tool of economic control. It also sketches how the federal and state agencies are responding to demands for more extensive intervention. As already explained, the purpose of this section is not to address the (respective) merits of these policy proposals but to identify the magnitude of the implementation challenges that the proposals for a major expansion of the U.S. antitrust program create.

### AT: Courts Key---2NC

#### Solves faster---plan means lower courts can’t change opinions until there’s a SCOUTS case---Chevron creates immediate changes.

Royce Zeisler 14. J.D. Candidate 2014, Columbia Law School; B.S., B.A. 2012, University of British Columbia. “Chevron Deference and the FTC: How and Why the FTC Should Use Chevron to Improve Antitrust Enforcement”. 2014 COLUM. Bus. L. REV. 266 (2014).

Second, the cost of undertaking regime-changing litigation may be prohibitive. Antitrust cases are notoriously expensive. This expense becomes an even greater concern when the FTC contemplates the multiple attempts that may be needed to overcome the institutional momentum of precedent.122 Stare decisis, as Justice Brandeis famously explained, reflects the understanding that "in most matters it is more important that the applicable rule of law be settled than that it be settled right."'123 However, when contemplating an optimal antitrust regime, this may be far from true. The Court has explicitly acknowledged that stare decisis warrants less consideration in deciding antitrust cases. 124 However, while the Supreme Court is free to overrule itself, lower courts are bound by incorrect economic presumptions codified in past cases. 125 Even if courts fully understand and agree with the FTC's argument, they are limited in their ability to adopt this new understanding. Comparably, the FTC, by expressing its desired policy change through interpretations that will receive Chevron deference, empowers a court to defer to it and alter the law accordingly.

#### Antitrust agency guidelines are used by the court.

William E. Kovacic 21. Global Competition Professor of Law and Policy, George Washington University Law School; Visiting Professor, Dickson Poon School of Law, King’s College London; Non-Executive Director, United Kingdom Competition and Markets Authority. “The future adaptation of the per se rule of illegality in U.S. Antitrust law”. Columbia Business Law Review.

E. Policy Guidance

As noted above, antitrust agencies influence the development of doctrine in the courts by means other than litigation. The issuance of enforcement guidelines and related policy commentary is part of the conversation that agencies conduct with judges. Guidelines that offer a compelling intellectual vision based on a synthesis of theory and practice have supplied an influential way of translating enforcement experience into concepts that courts can use to interpret the antitrust laws.205 Twenty years after the issuance of the DOJ and FTC Competitor Collaboration Guidelines,206 this is an opportune time for the Agencies to reformulate their visions of the rule of reason and of the role of per se rules in its implementation.