### Framework

**The meta ethic is practical reason-**

#### Ethics must be derived a priori

#### 1] Uncertainty – experiences are locked within our own subjectivity and are inaccessible to others, however a priori principles are created in the noumenal world and are universally applied to all agents. Outweighs since founding ethics in the phenomenal world allows people to justify atrocities by saying they don’t experience the same.

#### 2] Is/Ought Gap – experience in the phenomenal world only tells us what is since we can only perceive what is, not what ought to be. But it’s impossible to derive an ought from descriptive premises, so there needs to be additional a priori premises within the noumenal world to make a moral theory.

#### Practical reason is inescapable - Any moral rule faces the problem of regress – I can keep asking “why should I follow this.” Regress collapses to skep since no one can generate obligations absent grounds for accepting them. Only reason solves since asking “why reason?” requires reason to do in the first place which concedes its authority.

#### Practical reason means we must be able to universally will maxims—our judgements are authoritative and can’t only apply to ourselves any more than 2+2=4 can be true only for me. The only constraint is noncontradiction.

**The standard is consistency with the categorical imperative. To clarify, consequences don’t link to the framework.**

**Prefer**

#### 1] The existence of extrinsic goodness requires unconditional human worth—that means we must treat others as ends in themselves.

Korsgaard ’83 (Christine M., “Two Distinctions in Goodness,” The Philosophical Review Vol. 92, No. 2 (Apr., 1983), pp. 169-195, JSTOR) OS/Recut Lex AKu \*brackets for gendered language

The argument shows how Kant's idea of justification works. It can be read as a kind of regress upon the conditions, starting from an important assumption. The assumption is that when a rational being makes a choice or undertakes an action,[they] he or she supposes the object to be good, and its pursuit to be justified. At least, if there is a categorical imperative there must be objectively good ends, for then there are necessary actions and so necessary ends (G 45-46/427-428 and Doctrine of Virtue 43-44/384-385). In order for there to be any objectively good ends, however, there must be something that is unconditionally good and so can serve as a sufficient condition of their goodness. Kant considers what this might be: it cannot be an object of inclination, for those have only a conditional worth, "for if the inclinations and the needs founded on them did not exist, their object would be without worth" (G 46/428). It cannot be the inclinations themselves because a rational being would rather be free from them. Nor can it be external things, which serve only as means. So, Kant asserts, the unconditionally valuable thing must be "humanity" or "rational nature," which he defines as "the power set to an end" (G 56/437 and DV 51/392). Kant explains that regarding your existence as a rational being as an end in itself is a "subjective principle of human action." By this I understand him to mean that we must regard ourselves as capable of conferring value upon the objects of our choice, the ends that we set, because we must regard our ends as good. But since "every other rational being thinks of his existence by the same rational ground which holds also for myself' (G 47/429), we must regard others as capable of conferring value by reason of their rational choices and so also as ends in themselves. Treating another as an end in itself thus involves making that person's ends as far as possible your own (G 49/430). The ends that are chosen by any rational being, possessed of the humanity or rational nature that is fully realized in a good will, take on the status of objective goods. They are not intrinsically valuable, but they are objectively valuable in the sense that every rational being has a reason to promote or realize them. For this reason it is our duty to promote the happiness of others-the ends that they choose-and, in general, to make the highest good our end.

#### 2] Other frameworks collapse—they contain conditional obligations which derive their authority from the categorical imperative.

Korsgaard 98 [CHRISTINE M. KORSGAARD, greatest philosopher alive, 1998, “Introduction”, Groundwork of the Metaphysics of Morals] AG // Recut Lex AKu

This is the sort of thing that makes even practiced readers of Kant gnash their teeth. A rough translation might go like this: the categorical imperative is a law, to which our maxims must conform. But the reason they must do so cannot be that there is some further condition they must meet, or some other law to which they must conform. For instance, suppose someone proposed that one must keep one's promises because it is the will of God that one should do so - the law would then "contain the condition" that our maxims should conform to the will of God. This would yield only a conditional requirement to keep one's promises — if you would obey the will of God, then you must keep your promises - whereas the categorical imperative must give us an unconditional requirement. Since there can be no such condition, all that remains is that the categorical imperative should tell us that our maxims themselves must be laws - that is, that they must be universal, that being the characteristic of laws. There is a simpler way to make this point. What could make it true that we must keep our promises because it is the will of God? That would be true only if it were true that we must indeed obey the will of God, that is, if "obey the will of God" were itself a categorical imperative. Conditional requirements give rise to a regress; if there are unconditional requirements, we must at some point arrive at principles on which we are required to act, not because we are commanded to do so by some yet higher law, but because they are laws in themselves. The categorical imperative, in the most general sense, tells us to act on those principles, principles which are themselves laws. Kant continues:

#### 3] Actor specificity – governments use Kantian conceptions of the state when implementing policies.

#### RIPSTEIN 15

#### Arthur Ripstein (Professor of Law and Philosophy at the University of Toronto). “Just War, Regular War, and Perpetual Peace” (2015). AS 7/16/15

Sophisticated contemporary legal systems work either implicitly or explicitly with some version of this Kantian idea of the state as a public rightful condition. Constitutional courts review legislation to make sure that it is properly within the state's legitimate mandate, and throughout the world recent awareness of problems of institutional corruption reflect the recogni[ze]tion of the fundamental importance of the distinction between properly public and improperly private purposes in the internal management of states. Conversely, its widely appreciated that the proper role of the state is not simply to bring about as much good as possible in the world, and that states have a special responsibility to their own citizens and residents.

#### 4] Performativity—freedom is the key to the process of justification of arguments. Willing that we should abide by their ethical theory presupposes that we own ourselves in the first place. Thus, it is logically incoherent to justify the aff standard without first willing that we can pursue ends free from others.

#### 5] Kantian ethics solve can solve oppression-Contrary to Kant’s own beliefs

Farr ’02

Arnold Farr (prof of phil @ UKentucky, focusing on German idealism, philosophy of race, postmodernism, psychoanalysis, and liberation philosophy). “Can a Philosophy of Race Afford to Abandon the Kantian Categorical Imperative?” JOURNAL of SOCIAL PHILOSOPHY, Vol. 33 No. 1, Spring 2002, 17–32. JDN./Recut Lex AKu

Whereas most criticisms are aimed at the formulation of universal law and the formula of autonomy, our analysis here will focus on the formula of an end in itself and the formula of the kingdom of ends, since we have already addressed the problem of universality. The latter will be discussed ﬁrst. At issue here is what Kant means by “kingdom of ends.” Kant writes: “By ‘kingdom’ I understand a systematic union of different rational beings through common laws.”32 The above passage indicates that Kant recognizes different, perhaps different kinds, of rational beings; however, the problem for most critics of Kant lies in the assumption that Kant suggests that the “kingdom of ends” requires that we abstract from personal differences and content of private ends. The Kantian conception of rational beings requires such an abstraction. Some feminists and philosophers of race have found this abstract notion of rational beings problematic because they take it to mean that rationality is necessarily white, male, and European.33 Hence, the systematic union of rational beings can mean only the systematic union of white, European males. I ﬁnd this interpretation of Kant’s moral theory quite puzzling. Surely another interpretation is available. That is, the implication that in Kant’s philosophy, rationality can only apply to white, European males does not seem to be the only alternative. The problem seems to lie in the requirement of abstraction. There are two ways of looking at the abstraction requirement that I think are faithful to Kant’s text and that overcome the criticisms of this requirement. First, the abstraction requirement may be best understood as a demand for intersubjectivity or recognition. Second, it may be understood as an attempt to avoid ethical egoism in determining maxims for our actions. It is unfortunate that Kant never worked out a theory of intersubjectivity, as did his successors Fichte and Hegel. However, this is not to say that there is not in Kant’s philosophy a tacit theory of intersubjectivity or recognition. The abstraction requirement simply demands that in the midst of our concrete differences we recognize ourselves in the other and the other in ourselves. That is, we recognize in others the humanity that we have in common. Recognition of our common humanity is at the same time recognition of rationality in the other. We recognize in the other the capacity for selfdetermination and the capacity to legislate for a kingdom of ends. This brings us to the second interpretation of the abstraction requirement. To avoid ethical egoism one must abstract from (think beyond) one’s own personal interest and subjective maxims. That is, the categorical imperative requires that I recognize that I am a member of the realm of rational beings. Hence, I organize my maxims in consideration of other rational beings. Under such a principle other people cannot be treated merely as a means for my end but must be treated as ends in themselves. The merit of the categorical imperative for a philosophy of race is that it contravenes racist ideology to the extent that racist ideology is based on the use of persons of a different race as a means to an end rather than as ends in themselves. Embedded in the formulation of an end in itself and the formula of the kingdom of ends is the recognition of the common hope for humanity. That is, maxims ought to be chosen on the basis of an ideal, a hope for the amelioration of humanity. This ideal or ethical commonwealth (as Kant calls it in the Religion) is the kingdom of ends.34 Although the merits of Kant’s moral theory may be recognizable at this point, we are still in a bit of a bind. It still seems problematic that the moral theory of a racist is essentially an antiracist theory. Further, what shall we do with Henry Louis Gates’s suggestion that we use the Observations on the Feeling of the Beautiful and Sublime to deconstruct the Grounding? What I have tried to suggest is that instead of abandoning the categorical imperative we should attempt to deepen our understanding of it and its place in Kant’s critical philosophy. A deeper reading of the Grounding and Kant’s philosophy in general may produce the deconstruction35 suggested by Gates. However, a text is not necessarily deconstructed by reading it against another. Texts often deconstruct themselves if read properly. To be sure, the best way to understand a text is to read it in context. Hence, if the Grounding is read within the context of the critical philosophy, the tools for a deconstruction of the text are provided by its context and the tensions within the text. Gates is right to suggest that the Grounding must be deconstructed. However, this deconstruction requires much more than reading the Observations on the Feeling of the Beautiful and Sublime against the Grounding. It requires a complete engagement with the critical philosophy. Such an engagement discloses some of Kant’s very signiﬁcant claims about humanity and the practical role of reason. With this disclosure, deconstruction of the Grounding can begin. What deconstruction will reveal is not necessarily the inconsistency of Kant’s moral philosophy or the racist or sexist nature of the categorical imperative, but rather, it will disclose the disunity between Kant’s theory and his own feelings about blacks and women. Although the theory is consistent and emancipatory and should apply to all persons, Kant the man has his own personal and moral problems. Although Kant’s attitude toward people of African descent was deplorable, it would be equally deplorable to reject the categorical imperative without ﬁrst exploring its emancipatory potential.

#### 5] Reject consequentialism –

#### A) Action theory: Actions are defined by their aims so you can’t evaluate action absent the intent. The aim acts as a unifier e.g. to drink, I must raise the glass and then swallow, which then have different constituent parts, making actions infinitely divisible. The only way to judge the topical action is by looking to intent.

#### B) Normativity: Only intent-based ethics are normative you’re held responsible for things you don’t intend, then there’s no reason to be moral because you’re held responsible for unintended effects. This controls the link to ethics because otherwise there’s no reason to follow morality and ethics are circular.

#### C) Induction fails – single inductions require prior inductions to verify its truth but that’s circular since it presupposes its own justification. No logical basis for induction – just because the moon came up last night, does not mean there is a justification for why it ought to come up tomorrow.

#### D) Aggregation fails – 2 headaches doesn’t equal a migraine which means aggregating pain and pleasure is impossible and we can’t tell whether actions cause more pain or pleasure.

### Offense

#### 1] IP rights prevent certain people from receiving the fruits of their mental labor.

Lindsey and Teles 17 [Ricketts, M. (2018). The Captured Economy: How the Powerful Enrich Themselves, Slow Down Growth, and Increase Inequality by Brink Lindsey and Steven M. Teles. Oxford University Press (2017), 221 pp. ISBN: 978-0190627768 (hb, £16.99). Economic Affairs, 38(2), 297–300. doi:10.1111/ecaf.12299]//Lex AKu recut Lex VM

In our opinion, the biggest problem with the moral case for patents and copyright laws is that those laws as currently constituted regularly violate the principle on which they are supposedly grounded—namely, entitlement to the fruits of one’s mental labor. The exclusive rights granted to copyright and patent holders aren’t just an additional premium layer of protection on top of the basic rights that all enjoy. Rather, copyright and patent laws extend premium rights to some in a way that frequently restricts the basic rights of others. Perversely, copyright and patent laws are regularly used to stop people from producing or selling their own original works. This was not always the case with copyright. Originally, US law prohibited only simple copying of full works as originally published. Thus, translations and even abridgments were not considered infringing. Gradually, the concept of infringement expanded to cover so-called derivative works—for example, a play based on a book, or a book that contains characters created by another author. This expansion was checked, to a limited and uncertain extent, by the concurrent rise of the doctrine of “fair use.” According to this doctrine, some derivative works—parodies, for example, and books that include brief quoted passages from other works—are not considered infringing. For everything else, including adaptations of an artistic work to a new format, new works using existing literary characters or settings, remixes or mashups of musical works, and so forth, the restrictions and penalties of copyright apply. In all these cases, artists can expend mental effort to create something new and original, but they are not allowed to publish or sell it.33 They are thus deprived of their basic rights to the fruits of their own mental labor. In the case of patent law, independent invention has never been a defense against claims of infringement. As a result, inventors who come in second in a patent race have no right at all to make use of and profit from their ideas. This is by no means an unusual occurrence, for nearly simultaneous and completely independent discovery of new technologies occurs with astonishing frequency.34 Indeed, patent infringement lawsuits only rarely involve intentional copying of someone else’s invention; in the clear majority of lawsuits, the alleged infringers developed their products on their own and weren’t even aware of the patent in question. In summary, the moral case for patents and copyright is supposedly based on the entitlement to enjoy the fruits of one’s mental labor. Yet under current law, the most basic and universal form that this entitlement can take, one whose general propriety is completely uncontroversial, is regularly traduced. We therefore find unconvincing the claim that copyright and patent holders are rightful property owners who are only receiving their just due. Yes, we can imagine intellectual property laws in which the moral claims for exclusive rights are much stronger. If copyright were limited to its original concern of preventing sales of full reproductions, and if patents were awarded to all independent co-inventors (or at least independent invention were a complete defense in any infringement action), then intellectual property rights would indeed provide additional protections for artists and inventors without impinging on the basic rights of other artists and inventors. But that is not the intellectual property law we have today, and to get there would require major statutory changes. The copyright and patent laws we have today therefore look more like intellectual monopoly than intellectual property. They do not simply give people their rightful due; on the contrary, they regularly deprive people of their rightful due. If there is a case to be made for the special privileges granted under these laws, it must be based on utilitarian grounds. As we have already seen, that case is surprisingly weak, and utterly incapable of justifying the radical expansion in IP protection that has occurred in recent years. Therefore, it is entirely appropriate to strip IP protection of its sheep’s clothing and to see it for the wolf it is, a major source of economic stagnation and a tool for unjust enrichment.

#### 2] IP Rights hand partial control of others property to IP Creators.

Kinsella 13 [Kinsella S. (2013) The Case Against Intellectual Property. In: Luetge C. (eds) Handbook of the Philosophical Foundations of Business Ethics. Springer, Dordrecht. https://doi.org/10.1007/978-94-007-1494-6\_99]//Lex AKu recut Lex VM \*\*\*Brackets for Gendered Language\*\*\*

Let us recall that IP rights give to pattern-creators partial rights of control – ownership – over the material property of everyone else. The pattern-creator has partial ownership of others’ property, by virtue of his [their] IP right, because he [they] can prohibit them from performing certain actions with their own property. Author X, for example, can prohibit a third party, Y, from inscribing a certain pattern of words on Y’s own blank pages with Y’s own ink. That is, by merely authoring an original expression of ideas, by merely thinking of and recording some original pattern of information, or by finding a new way to use his own property (recipe), the IP creator instantly, magically becomes a partial owner of others’ property. He [They] has some say over how third parties can use their property. He is granted, in effect, a type of “negative servitude” in others’ already owned property” (See [32]). IP rights change the status quo by redistributing property from individuals of one class (material-property owners) to individuals of another (authors and inventors). Prima facie, therefore, IP law trespasses against or “takes” the property of material-property owners, by transferring partial ownership to authors and inventors. It is this invasion and redistribution of property that must be justified in order for IP rights to be valid. We see, then, that utilitarian defenses do not do the trick. Further problems with natural-rights defenses are explored below.

#### 3] Justifying ownership based on creation is unjust.

Kinsella 13 [Kinsella S. (2013) The Case Against Intellectual Property. In: Luetge C. (eds) Handbook of the Philosophical Foundations of Business Ethics. Springer, Dordrecht. https://doi.org/10.1007/978-94-007-1494-6\_99]//Lex AKu recut Lex VM

One problem with the creation-based approach is that it almost invariably protects only certain types of creations – unless, i.e., every single useful idea one comes up with is subject to ownership (more on this below). But the distinction between the protectable and the unprotectable is necessarily arbitrary. For example, philosophical or mathematical or scientific truths cannot be protected under current law on the grounds that commerce and social intercourse would grind to a halt were every new phrase, philosophical truth, and the like considered the exclusive property of its creator. For this reason, patents can be obtained only for so-called practical applications of ideas, but not for more abstract or theoretical ideas. Rand agrees with this disparate treatment, in attempting to distinguish between an unpatentable discovery and a patentable invention. She argues that a “scientific or philosophical discovery, which identifies a law of nature, a principle, or a fact of reality not previously known” is not created by the discoverer. But the distinction between creation and discovery is not clear-cut or rigorous.31 Nor is it clear why such a distinction, even if clear, is ethically relevant in defining property rights. No one creates matter; they just manipulate and grapple with it according to physical laws. In this sense, no one really creates anything. They merely rearrange matter into new arrangements and patterns. An engineer who invents a new mousetrap has rearranged existing parts to provide a function not previously performed [90]. Others who learn of this new arrangement can now also make an improved mousetrap. Yet the mousetrap merely follows laws of nature. The inventor did not invent the matter out of which the mousetrap is made, nor the facts and laws exploited to make it work. Similarly, Einstein’s “discovery” of the relation E = mc2 , once known by others, allows them to manipulate matter in a more efficient way. Without Einstein’s, or the inventor’s, efforts, others would have been ignorant of certain causal laws, of ways matter can be manipulated and utilized. Both the inventor and the theoretical scientist engage in creative mental effort to produce useful, new ideas. Yet one is rewarded, and the other is not. In one recent case, the inventor of a new way to calculate a number representing the shortest path between two points – an extremely useful technique – was not given patent protection because this was “merely” a mathematical algorithm.32 But it is arbitrary and unfair to reward more practical inventors and entertainment providers, such as the engineer and songwriter, and to leave more theoretical science and math researchers and philosophers unrewarded. The distinction is inherently vague, arbitrary, and unjust.

#### The new head of the WTO is on track to push for reform and an increased role but is hindered now due to lack of vaccine agreement.

Baschuk 4-27. [(Bryce Baschuk is a Bloomberg Reporter) ["WTO Chief Pursues a ‘Hectic’ Agenda to Fix World Trade’s Referee," Bloomberg, April 27, 2021. https://www.bloomberg.com/news/articles/2021-04-27/wto-chief-pursues-a-hectic-agenda-to-fix-world-trade-s-referee](file:///Users/adenbarton/Downloads/%22WTO%20Chief%20Pursues%20a%20‘Hectic’%20Agenda%20to%20Fix%20World%20Trade’s%20Referee,%22%20Bloomberg,%20April%2027,%202021.%20https:/www.bloomberg.com/news/articles/2021-04-27/wto-chief-pursues-a-hectic-agenda-to-fix-world-trade-s-referee)] TDI

The head of the World Trade Organization **raised an alarm about the credibility of the multilateral trading system**, urging leaders to act fast to bolster the global economy with steps like fairer vaccine distribution and cooperate to resolve longer-term problems like overfishing. During her first two months, WTO Director-General Ngozi Okonjo-Iweala has met with trade ministers around the globe to communicate a message that **the WTO is important, it needs to be reformed and it needs to deliver results.** So far, she says the reception from world leaders has been positive, but quickly translating that goodwill into substantive outcomes during a global pandemic is just as daunting as she anticipated. “The word I would use to describe it is absolutely hectic,” Okonjo-Iweala said in a phone interview on Tuesday when asked about her first few months in the job. “The challenges we thought were there are there and getting an agreement is not as easy because of longstanding ways of negotiating business positions.” Read More: Arcane WTO Pact Moves to Center of Vaccine Debate: Supply Lines Countries need to move past the notion that one country’s gain in international commerce is another’s loss, she said. “We need to break out of the zero-sum deadlock,” Okonjo-Iweala said. “We need to remind the countries and members that the WTO is here to deliver for people. **We can’t take 20 years to negotiate something**.” Okonjo-Iweala said **her top priority is to use trade to alleviate the pandemic** and said her recent meeting with trade ministers and vaccine manufacturers provided a positive step in the right direction. ‘More Pragmatism’ “That meeting yielded quite a lot,” she said. “I see more pragmatism on both sides.” An important component of the WTO’s trade and health agenda is a proposal from India and South Africa that seeks to temporarily waive enforcement of the WTO’s rules governing intellectual property for vaccines and other essential medical products. Read More: U.S. Trade Chief Meets Pfizer, AstraZeneca About Vaccine Supply As of this week there are fresh signals that the Biden administration, which currently opposes a waiver to the WTO agreement on Trade-Related Aspects of Intellectual Property Rights, wants vaccine manufacturers like Pfizer Inc. and AstraZeneca Plc to help ramp up U.S. pandemic assistance to the rest of the world. “There is movement,” Okonjo-Iweala said. “Are we there yet? No, but there is a little bit of change in the air among members. I think hopefully we will be able to come to some sort of a framework for the WTO ministers to bless.” “We don’t have time,” she added. “People are dying.” Okonjo-Iweala said this month’s vaccine meeting also revealed areas where the developing world can increase its capacity to produce more doses rather than waiting for rich countries to send them their excess supplies. She said various emerging markets such as India, Pakistan, Bangladesh, Senegal, Indonesia and Egypt already have some capacity to begin producing vaccines for people living in developing economies.

#### Patent waiver is necessary to revitalize WTO’s credibility as an international dispute mechanism – creates momentum for further reform.

Meyer 6-18-21. [(David Meyer is the Editor of CEO Daily and a senior writer on Fortune’s European team. Author of the digital rights primer, Control Shift: How Technology Affects You and Your Rights. “The WTO’s survival hinges on the COVID-19 vaccine patent debate, waiver advocates warn,” Fortune, June 18, 2021. <https://fortune.com/2021/06/18/wto-covid-vaccines-patents-waiver-south-africa-trips/>] TDI

The World Trade Organization knows all about crises. Former U.S. President Donald Trump threw a wrench into its core function of resolving trade disputes—a blocker that President Joe Biden has not yet removed—and there is widespread dissatisfaction over the fairness of the global trade rulebook. The 164-country organization, under the fresh leadership of Nigeria's Ngozi Okonjo-Iweala, has a lot to fix. However, **one crisis is more pressing than** the **others**: the battle over COVID-19 vaccines, and whether the protection of their patents and other intellectual property should be temporarily lifted to boost production and end the pandemic sooner rather than later. According to some of those pushing for the waiver—which was originally proposed last year by India and South Africa—**the WTO's future rests on what happens next.** "The credibility of the WTO will depend on its ability to find a meaningful outcome on this issue that truly ramps-up and diversifies production," says Xolelwa Mlumbi-Peter, South Africa's ambassador to the WTO. "Final nail in the coffin" The Geneva-based WTO isn't an organization with power, as such—it's a framework within which countries make big decisions about trade, generally by consensus. It's supposed to be the forum where disputes get settled, because all its members have signed up to the same rules. And one of its most important rulebooks is the Agreement on Trade-Related Aspects of Intellectual Property Rights, or TRIPS, which sprang to life alongside the WTO in 1995. The WTO's founding agreement allows for rules to be waived in exceptional circumstances, and indeed this has happened before: its members agreed in 2003 to waive TRIPS obligations that were blocking the importation of cheap, generic drugs into developing countries that lack manufacturing capacity. (That waiver was effectively made permanent in 2017.) Consensus is the key here. Although the failure to reach consensus on a waiver could be overcome with a 75% supermajority vote by the WTO's membership, this would be an unprecedented and seismic event. In the case of the COVID-19 vaccine IP waiver, it would mean standing up to the European Union, and Germany in particular, as well as countries such as Canada and the U.K.—the U.S. recently flipped from opposing the idea of a waiver to supporting it, as did France. **It's a dispute between countries, but the result will be on the WTO as a whole**, say waiver advocates. "If, in the face of one of humanity's greatest challenges in a century, the WTO functionally becomes an obstacle as in contrast to part of the solution, **I think it could be the final nail in the coffin"** **for the organization**, says Lori Wallach, the founder of Public Citizen's Global Trade Watch, a U.S. campaigning group that focuses on the WTO and trade agreements. "If the TRIPS waiver is successful, and people see the WTO as being part of the solution—saving lives and livelihoods—**it could create goodwill and momentum to address what are still daunting structural problems."** Those problems are legion. Reform needs Top of the list is the WTO's Appellate Body, which hears appeals in members' trade disputes. It's a pivotal part of the international trade system, but Trump—incensed at decisions taken against the U.S. —blocked appointments to its seven-strong panel as judges retired. The body became completely paralyzed at the end of 2019, when two judges' terms ended and the panel no longer had the three-judge quorum it needs to rule on appeals. Anyone who hoped the advent of the Biden administration would change matters was disappointed earlier this year when the U.S. rejected a European proposal to fill the vacancies. "The United States continues to have systemic concerns with the appellate body," it said. "As members know, the United States has raised and explained its systemic concerns for more than 16 years and across multiple U.S. administrations." At her confirmation hearing in February, current U.S. Trade Representative Katherine Tai reiterated those concerns—she said the appellate body had "overstepped its authority and erred in interpreting WTO agreements in a number of cases, to the detriment of the United States and other WTO members," and accused it of dragging its heels in settling disputes. "Reforms are needed to ensure that the underlying causes of such problems do not resurface," Tai said. "While the U.S. [has] been engaging [with the WTO] it hasn't indicated it would move quickly on allowing appointments to the Appellate Body," says Bryan Mercurio, an economic-law professor at the Chinese University of Hong Kong, who opposes the vaccine waiver. "This is not a good sign. In terms of WTO governance, it's a much more important step than supporting negotiations on an [intellectual property] waiver." It's not just the U.S. that wants to see reform at the WTO. In a major policy document published in February, the EU said negotiations had failed to modernize the organization's rules, the dispute-resolution system was broken, the monitoring of countries' trade policies was ineffective, and—crucially—"the trade relationship between the U.S. and China, two of the three largest WTO members, is currently largely managed outside WTO disciplines." China is one of the key problems here. It became a WTO member in 2001 but, although this entailed significant liberalization of the Chinese economy, it did not become a full market economy. As the European Commission put it in February: "The level at which China has opened its markets does not correspond to its weight in the global economy, and the state continues to exert a decisive influence on China's economic environment with consequent competitive distortions that cannot be sufficiently addressed by current WTO rules." "China is operating from what it sees as a position of strength, so it will not be bullied into agreeing to changes which it sees as not in its interests," says Mercurio. China is at loggerheads with the U.S., the EU and others over numerous trade-related issues. Its rivals don't like its policy of demanding that Chinese citizens' data is stored on Chinese soil, nor do they approve of how foreign investors often have to partner with Chinese firms to access the country's market, in a way that leads to the transfer of technological knowhow. They also oppose China's industrial subsidies. Mercurio thinks China may agree to reforms on some of these issues, particularly regarding subsidies, but "only if it is offered something in return." All these problems won't go away if the WTO manages to come up with a TRIPS waiver for COVID-19 vaccines and medical supplies, Wallach concedes. "**But**," she adds, "**the will and the good faith to tackle these challenges is increased enormously if the WTO has the experience of being part of the solution, not just an obstacle."** Wallach points to a statement released earlier this month by Asia Pacific Economic Cooperation (APEC) trade ministers, which called for urgent discussions on the waiver. "The WTO must demonstrate that global trade rules can help address the human catastrophe of the COVID-19 pandemic and facilitate the recovery," the statement read in its section about WTO reform. Okonjo-Iweala's role The WTO's new director general, whose route to the top was unblocked in early 2021 with the demise of the Trump administration, is certainly keen to fix the problems that contributed to the early departure of her predecessor, Brazil's Robert Azevedo. "We must act now to get all our ambassadors to the table to negotiate a text" on the issue of an IP waiver for COVID vaccines, Ngozi Okonjo-Iweala, director general of the World Trade Organization, has said. Dursun Aydemir—Anadolu/Bloomberg/Getty Images Earlier this week, when the U.S. and EU agreed a five-year ceasefire in a long-running dispute over Boeing and Airbus aircraft subsidies, Okonjo-Iweala tweeted: "With political will, we can solve even the most intractable problems." However, Mercurio is skeptical about her stewardship having much of an effect on the WTO's reform process. "Upon taking [over she] stated it was time for delegations to speak to each other and not simply past each other, but at the recent General Counsel meeting delegations simply read prepared statements in what some have described as the worst meeting ever," he says. "On the other hand, Ngozi is very much someone who will actively seek solutions to problems, and in this way different to her predecessor. If the role of mediator is welcomed, she could have an impact not in starting discussions but in getting deals over the finish line."

#### Post Covid WTO legitimacy and credibility necessary to prevent a downward spiral of protectionism.

Solís 20 [(Mireya Solís is director of the Center for East Asia Policy Studies, Philip Knight Chair in Japan Studies, and a senior fellow in the Foreign Policy program at Brookings. “The post COVID-19 world: Economic nationalism triumphant?” July 10, 2020. <https://www.brookings.edu/blog/order-from-chaos/2020/07/10/the-post-covid-19-world-economic-nationalism-triumphant/>] TDI

The damage caused by the worst global health crisis in a century is vast. The new coronavirus has traveled far and fast, infecting more than 8.7 million people and killing more than 460,000. One after another, economies have gone into lockdown to slow down the spread of the disease. The combined supply and demand shocks have ravaged the world economy with the most severe downturn since the Great Depression; **anticipated drops to international trade and investment flows of 30% and 40%,** respectively; and unemployment spikes in many countries. The pandemic has cost lives and livelihoods and has erased the chances of returning to the status quo ante, but it has also brought little clarity regarding what kind of international order it will usher in. Is the future one of deglobalization, decoupling, and reshoring of economic activity? **The pandemic hit an already wounded multilateral trading system**. The chances that the World Trade Organization (WTO) can deliver a multilateral round of trade negotiations to slash tariffs across the board and update the trade and investment rulebook are nil. But the WTO has also lost its central role as arbiter of trade disputes among its members. In December 2019, the Appellate Body ceased to function due to the U.S. block of new appointments, citing judicial overreach. **At a time of rising protectionism, the erosion of a rules-based mechanism to adjudicate disputes bodes ill.** **Longstanding challenges to the WTO have been exacerbated by an abdication of leadership from the great powers to ensure its survival**. China has been the godchild of globalization, leveraging its accession to the WTO to become workshop for the world and a huge domestic market coveted by foreign firms. But China lost its appetite for economic reform, reinvesting on a state capitalism model that imposes heavy costs on other nations. Unchecked subsidies and privileges awarded to its state-owned enterprises, insufficient protection of intellectual property, foreign investment restrictions, forced technology transfers, and cyber protectionism all make the Chinese government’s self-proclamation as champion of global free trade ring hollow. The Trump administration judges the WTO incapable of tackling the China challenge, but instead of creating coalitions of like-minded countries to bring about effective multilateral trade governance, it appears determined to further harm ~~cripple~~ the international organization. It has offered no blueprint to fix the dispute settlement mechanism, has abused the national security exemption to raise tariffs against allies, and is gearing up for its most fundamental assault to date on the WTO: a tariff reset through which the U.S. may unilaterally abandon its commitments on bound tariffs and apply larger duties to force other countries to open their markets. **Trade spats as other countries retaliate in kind is a more likely result.** Tariff wars and the battle for technology supremacy have come to define U.S.-China great power competition. After a grueling trade conflict, the United States and China reached a limited trade agreement in January 2020. The deal marked a pause in the tariff war and addressed some non-tariff barriers on foreign direct investment and intellectual property; but it left intact the core of Chinese industrial policy (public subsidies and state-owned enterprises) and retained U.S. duties on $360 billion worth of Chinese products. China’s massive purchase commitments ($200 billion) were quickly rendered unattainable by the severe economic downturn in China due to COVID-19. In fighting for the new economic order, setting standards on cutting-edge technologies will be at the forefront. China is using all the levers of industrial policy to gain technological primacy in areas like AI and quantum computing. Telecom and the battle over 5G offer a preview of quarrels to come. Deeply concerned with the cybersecurity risks that Chinese telecom giants like Huawei pose, the U.S. government placed the company on its Entity List, banning American exports without a license. It has since tightened the restrictions by barring foreign companies from supplying Huawei with products manufactured with American equipment and technology. National security concerns are increasingly encroaching on existing webs of economic interdependence. Wary of China’s acquisition of critical technology, countries like the United States, Australia, and Japan have tightened their screening of foreign direct investment. The pandemic has only exacerbated concerns that weakened companies in strategic sectors are at risk of foreign takeover. COVID-19’s impact on the international trading system is twofold. It has reinforced existing trends such as the deceleration and now drop in the volume of international trade, the rise of economic security as governments expand their toolkit to restrict trade and investment flows, and it has laid bare the fallout in U.S.-China relations. But the pandemic also brought new challenges that exposed the extent to which trade cooperation is in short supply. Export protectionism has risen in prominence with national restrictions on shipments of essential medical supplies and personal protective equipment. The WTO allows for such curbs for public health purposes – provided the measures are temporary and transparent. Few countries, however, have bothered to comply with their notification commitments. **The blow comes at a time when the WTO is adrift** with the decision of Director General Roberto Azevedo to step down early, opening the search for new leadership in a climate of divisiveness. Graph detailing the number of countries that imposed export restrictions on various categories of medical supplies and devices in response to the coronavirus pandemic. Are we on the eve of a renationalized world economy? That is the aspiration of several American and European public officials who fault extended global supply chains and overdependence on China for the current mishaps in tackling the pandemic. But the view that economic nationalism and reshoring of manufacturing is a fail-safe path to security and prosperity is wrong. For one, it skirts the responsibility of governments to properly stockpile essential medical supplies. Furthermore, the export curbs will be counterproductive, eliminating incentives for producers to expand capacity and increasing the cost of much needed medicines and medical devices. If the recent lockdowns have taught us anything, it is that exclusive reliance on the domestic market is too risky. Diversification of supply, redundancies in the manufacturing chain, and stockpiling programs are better alternatives. In this endeavor, global supply chains are part of the solution, not the problem. COVID-19 will not produce an exodus of foreign companies from the Chinese market. Recent surveys of American companies with operations in China show that most firms intend to stay put. A February survey of Japanese companies conducted by Tokyo Shoko Research shows that only a fraction (4%) are considering exit from China. Therefore, the Japanese government’s $2.2 billion fund to restructure supply chains should be understood as risk management, not decoupling. When international companies map out their business strategies, they must factor in heightened risks – protectionism, national security controls, and economic lockdowns. **Hence, efforts by middle powers to offer an interim arbitration mechanism at the WTO** to handle trade disputes and to commit to maintaining open supply chains in essential medical goods **are the right antidote to rising economic nationalism**. As a staunch supporter of rules-based trade and with its decision to forego export protectionism in the current crisis, Japan has much to contribute to these efforts.

#### Trade solves great power competition – regionalism causes militarized crises.

Lake 18 [(David Lake is a Professor of Social Sciences and Distinguished Professor of Political Science at the University of California, San Diego. "Economic Openness and Great Power Competition: Lessons for China and the United States,” April 30, 2018. <https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3171196/>] TDI

I develop two central arguments. First, historically, great power competition has been driven primarily by exclusion or fears of exclusion from each power’s international economic zone, including its domestic market. Great powers in the past have often used their international influence to build zones in which subordinate polities – whether these be colonies or simply states within a sphere of influence – are integrated into their economies. These economic zones, in turn, are typically biased in favor of the great power’s firms and investors, with the effect of excluding (in whole or part) the economic agents of other great powers. These other great powers, in response, are then compelled to develop or expand their own exclusive economic zones. The “race” for economic privilege can quickly divide the world up into economic blocs. Like the security dilemma, great powers need not actually exclude one another from their zones; the fear of exclusion alone is enough to ignite the process of division. The race for privilege then draws great powers into over-expanding into unprofitable regions and, more important, militarized competition. Economic and military competition are thus linked, with the former usually driving the latter. The most significant military crises have, historically, been over where to draw the boundaries between economic zones and subsequent challenges to those boundaries. Economic closure and fear of closure have been consistent sources of great power conflict in the past – and possibly will be in the future. The major exception to this trend was the peaceful transfer of dominance in Latin America from Britain to the United States in the late nineteenth century. This suggests that economic closure and great power competition is not inevitable, but a choice of the great powers themselves. Second, this international competition is driven, in turn, by domestic, rent-seeking groups and their economic interests. In all countries, scarce factors of production, import competing sectors, and domestically-oriented firms have concentrated and intense preferences for market restricting policies, including tariffs and the formation of exclusive economic zones. Consumers and free trade-oriented groups have diffuse preferences for market enhancing policies, and thus tend to lose at the ballot box and in the making of national policy. This inequality in preference intensity does not mean protectionists always win; after 1934, the United States insulated itself by shifting authority to the executive and negotiating reductions through broad, multi-product international agreements.8 Yet, as the recent return to economic nationalism of the Trump administration suggests, protectionism often wins out. Rent-seeking is a central tendency, not an inevitable success. Contemporary great power relations are at a critical juncture. As China’s influence expands, the role of special economic interests in China is especially worrisome. In pursuit of stability, political support, or private gains, the government will always be tempted to create economic zones that favor its nationals. In this way, China will be no different than the majority of great powers before it. But, given the expansive role of the state in the Chinese economy, especially its backing of outward foreign investments by its state-owned enterprises (SOEs), and the close ties between business elites and its authoritarian political leaders, however, it will be even harder for China to resist biasing any future economic zone to benefit its own firms. Although China has gained greatly from economic openness, its domestic political system will be prone to rent-seeking demands by important constituents in areas of future influence. Critically, the United States is also moving toward economic closure with the election of President Trump on a platform of economic nationalism. Demands for protection against Chinese goods have been growing over time.9 The “China shock” that followed Beijing’s joining the World Trade Organization was a huge disruption to the international division of labor, U.S. comparative advantage, and especially U.S. industry.10 The Trans-Pacific Partnership, though now defunct, was “marketed” by President Barak Obama as a means of “containing” China, both economically and militarily, but was opposed by virtually all of the candidates in the 2016 presidential election for its trade-enhancing potential. President Trump has already signaled a much more hostile and protectionist stance toward China – as well as calling for the repeal of NAFTA and even questioning the utility of the European Union. Not only has he imposed tariffs on washing machines, solar panels, steel and aluminum, dangerously declaring the latter two issues of national security, he is making exceptions on these tariffs for friends and allies. 11 Implicitly targeting China, these protectionist moves by the administration risk creating preferential trading blocs not seen since the 1930s. He has also now proposed punitive tariffs on over $60 billions of imports from China into the United States.12 Acknowledging his inconsistencies on many policy issues, Trump’s economic nationalism has remained the core of his political agenda. The threat to the liberal international economy is not only that China might seek an economic bloc in the future, but that the United States itself is turning more exclusionary. For each great power to fear that the other might seek to exclude it from its economic zone is not unreasonable. If so, great power competition could break out in the twenty-first century not because of bipolarity or any inevitable tendency toward conflict, but because neither great power can control its own protectionist forces nor signal to the other that it would not exclude it from its economic zone. The British-U.S. case, again, suggests that exclusion and competition are not inevitable, but the current danger of economic closure is real and increasing. This article is synthetic in its theory and merely suggestive in its use of historical evidence. The theory aims to integrate current work on political economy and national security, not to develop a completely original take on this relationship. In turn, rather than testing the theory in any rigorous sense or delving into particular cases to show the theoretical mechanisms at work, so to speak, it surveys selected historical episodes to illustrate central tendencies. It is the recurring pattern across multiple cases that suggests why we should worry today. The remainder of this essay is divided in three primary sections. Section I briefly outlines the analytics of economic openness and great power competition. Section II focuses on historical instances of great power competition, highlighting the role of economic openness as a central cleavage in international politics. Section III examines contemporary policies in and between China and the United States. The conclusion suggests ways that the potential for conflict may be mitigated. The Open Economy Politics of Great Power Competition All states have a tendency towards protectionism at home and exclusive economic zones abroad. A tendency, though, is not an inevitability. The pursuit of protection and economic zones by domestic interests is conditioned by the political coalition in power at any given time and institutions that aggregate and bias the articulation of social groups. 13 The tendency is also influenced, however, by the actions of other countries. Protectionism can sour great power relations, but it is the desire for exclusive economic zones that drives great power competition and, given the possibility of coercion, influences grand strategy. Thus, the theory sketched here integrates insights from international political economy (see below), the literature on domestic politics and grand strategy,14 and systemic theories of international relations.15

### 1AC – Advocacy

#### Thus, the advocacy – Resolved: The member nations of the World Trade Organization ought to reduce intellectual property protections for medicines.

#### We’ll defend all types of IP and medicines.

#### The plan solves

[Thomas **Hanna**, 9-21-20**20**, "Democratizing knowledge: Transforming intellectual property and research and development," Democracy Collaborative, [https://democracycollaborative.org/learn/publication/democratizing-knowledge-transforming-intellectual-property-and-research-and //](https://democracycollaborative.org/learn/publication/democratizing-knowledge-transforming-intellectual-property-and-research-and%20//) JB]

* Link turns cap Ks and setcol, read unhighlighted part
* R&D – research and development
* Specs patents

**As countries grapple with** the devastating **challenges of COVID-19** and **we**, hopefully, **move closer towards** the **development of a vaccine, the injustices and insufficiencies of the current approach to IP and R&D are becoming increasingly apparent. It is imperative that we quickly move away from the current system that prioritizes corporate profits sourced from monopoly rights to one that values and centers public health, social equality, and ecological sustainability**.

**The design**, implementation, and governance **of our IP and R&D systems are critically important**. However, the incredible rise of the intangible economy has dramatically altered these systems and our wider economic landscape. **Rather than stimulating and supporting the innovation needed to power the 21st-century digital economy**, the enclosure of **ownership of creations of the mind has been capitalized on to generate vast profits and considerably increase the power and control of a small group of large corporations and their owners. This** has **resulted in** a series of adverse **consequences, from** languishing **innovation to exacerbating racial, economic, gender, and geographic inequality**, to reducing competition, to abusive corporate practices related to workers’ rights, tax justice, and consumer protections. In sum, **it is becoming** increasingly **clear** to observers from **across the political spectrum that the current approach to IP and R&D is not fit for purpose.**

**Given** their inherently **political nature** and central role **in the economic system**, were **our IP and R&D systems to be transformed, they could be harnessed for the common good and to build an equitable, democratic, and environmentally sustainable future for all. Extending principles of democratic ownership is key to this transformation**. From the creation of a public knowledge commons, to substantially increasing public R&D funding, to embedding global solidarity and reparations, to challenging corporate power, to bolstering workers’ rights,

### Underview

#### 1] 1AR theory is legit – anything else means infinite abuse – drop the debater, competing interp– 1AR are too short to make up for the time trade-off – no RVIs – 6 min 2NR means they can brute force me every time. PP affirm- we assume statements are true if I tell you my name is Aanya you believe me otherwise we wouldn’t be able to justify morally neutral actions

## 1AR

### 1AR—Case

#### The plan solves both scenarios and WTO IP rules are a barrier to scaled-up vaccine production.

Pandey 21 [(Ashutosh Pandey) “Rich countries block India, South Africa's bid to ban COVID vaccine patents,” DW, April 2, 2021. <https://www.dw.com/en/rich-countries-block-india-south-africas-bid-to-ban-covid-vaccine-patents/a-56460175>

The World Trade Organization (WTO) talks on a proposal by India and South Africa to temporarily suspend intellectual property (IP) rules related to COVID-19 vaccines and treatments hit a roadblock on Thursday after wealthy countries balked at the idea, Germany's dpa news agency reported. The two developing countries say the IP waiver will allow drugmakers in poor countries to start production of effective vaccines sooner. India and South Africa had approached the global trade body in October, calling on it to waive parts of the Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS Agreement). The suspension of rights such as patents, industrial designs, copyright and protection of undisclosed information would ensure "**timely access to affordable medical products including vaccines and medicines or to scaling-up of research, development, manufacturing and supply of medical products essential to combat COVID**-19," they said. The proposal was vehemently opposed by wealthy nations like the US and Britain as well as the European Union, who said that a ban would stifle innovation at pharmaceutical companies by robbing them of the incentive to make huge investments in research and development. This would be especially counterproductive during the current pandemic which needs the drugmakers to remain on their toes to deal with a mutating virus, they argue. The WTO talks are taking place as some wealthy countries face criticism for **cornering billions** of COVID shots — many times the size of their populations — while **leaving poor countries** struggling for supplies. **Experts say the global scramble for vaccines, or vaccine nationalism, risks prolonging the pandemic.** "We have to recognize that this virus knows no boundaries, it travels around the globe and the response to it should also be global. It should be based on international solidarity," said Ellen 't Hoen, the director of Medicines Law & Policy — a nonprofit campaigning for greater access to medicines. "Many of the large-scale vaccine manufacturers are based in developing countries. All the production capacity that **exists should be exploited**…and that does require the sharing of Not enough production capacity Supporters of the waiver, which include dozens of developing and least-developed countries and NGOs, said the WTO's IP rules were acting as a **barrier to urgent scale-up of production of vaccines** and other much needed medical equipment in poor countries.

AC 21 [(Access Campaign) “India and South Africa proposal for WTO waiver from IP protections for COVID-19-related medical technologies,” Access Campaign, May 27, 2021. <https://msfaccess.org/india-and-south-africa-proposal-wto-waiver-ip-protections-covid-19-related-medical-technologies>] TDI

In a landmark move, India and South Africa on 2 October 2020 asked the World Trade Organization (WTO) to allow all countries to choose to neither grant nor enforce patents and other intellectual property (IP) related to COVID-19 drugs, vaccines, diagnostics and other technologies for the duration of the pandemic, until global herd immunity is achieved. This briefing document includes: A Q&A to provide further details related to this important development. Examples of Article IX waivers that have been granted with respect to provisions under the Trade-Related Aspects of Intellectual Property Rights Agreement (TRIPS) Agreement in the past. In today’s global emergency, MSF calls on all WTO members to support this waiver request. As an **automatic and expedited solution to address patents and other IP barriers at the international level**, the waiver is an important opportunity for all governments to unite and stand up for public health, global solidarity and equitable access.

#### Bidens approval rating is at an all time low, trade wars are bad for rating so he has incentive to end it

Schoen, 19, Trump’s trade war polls badly in key states like Pennsylvania, threatening his support for 2020, https://www.cnbc.com/2019/05/22/trumps-trade-war-gets-poor-marks-in-poll-could-threaten-his-support-in-2020.html, CNBC,

But the high marks for the economy don’t appear to be lifting Trump’s approval ratings. The president had 38% approval in the Quinnipiac poll, and 57% disapproval. That’s a wider gap in approval than Trump scored in the last Quinnipiac survey in early May. Voters are increasingly unimpressed with Trump’s handling of trade, as well as on China, the main adversary in his trade war. Opinion on Trump’s trade policies has soured since January, the last time the pollster asked voters, “Do you approve or disapprove of the way Donald Trump is handling trade?” What’s worse, 48% of respondents in the most recent poll say that Trump’s protectionist trade policies are bad for the U.S. economy, versus 40% who say they are helping. And more voters — 44% to 36% — also say that Trump’s trade policies are bad for their personal financial situations. Trump’s marks aren’t much better on China: 50% of voters disapprove of his job handling U.S. policy toward that economic superpower, compared with 40% who approve of the president’s approach. The U.S. and China are locked in a protracted trade dispute, and both sides have ratcheted up the aggression in recent weeks.

### 1AR—Saudi

#### No Saudi Prolif – dependency, infrastructure, and no deals.

Esfandiary and Tabatabi 15 [Esfandiary, Dina, and Ariane Tabatabai. “Why Nuclear DOMINOES Won't Fall in the Middle East.” Bulletin of the Atomic Scientists, 22 Apr 2015, thebulletin.org/2015/04/why-nuclear-dominoes-wont-fall-in-the-middle-east/. , Dina Esfandiary is an International Security Program Research [Fellow](https://www.belfercenter.org/person/dina-esfandiary) at the Harvard Kennedy School’s Belfer Center for Science and International Affairs and a [fellow](https://tcf.org/experts/dina-esfandiary/) in the Middle East Department of The Century Foundation. Ariane Tabatabai is an associate political scientist at the RAND Corporation. She is also an adjunct senior fellow with the Middle East Security Program at the Center for a New American Security (CNAS), an international civilian consultant for NATO, a columnist for the Bulletin of the Atomic Scientists, and a Truman national security fellow. Research interests include the Middle East, South Asia, terrorism and insurgency, arms control and nonproliferation, personnel and force structure. Prior to joining RAND, she served as the director of curriculum and a visiting assistant professor of security studies at the Georgetown University Edmund A. Walsh School of Foreign Service. Previously, Tabatabai was a post-doctoral fellow (2017-18) in the International Security Program and a Stanton nuclear security fellow (2013-14) in the International Security Program and the Project on Managing the Atom at the Harvard Kennedy School’s Belfer Center for Science and International Affairs where she was also an associate (2014–2015). Tabatabai also held positions as a non-resident scholar with the James Martin Center for Nonproliferation Studies at the Monterey Institute and senior associate in the Proliferation Prevention Program at the Center for Strategic and International Studies (CSIS). She holds a Ph.D. in war studies from King’s College London,] // Lex AKu

**Saudi** Arabia: The human and technical impediments to a nuclear arsenal. Saudi Arabia is viewed as the Middle East's most likely nuclear proliferator. Riyadh has been the loudest voice in the region, claiming it'll "[go nuclear](http://www.haaretz.com/news/diplomacy-defense/dennis-ross-saudi-king-vowed-to-obtain-nuclear-bomb-after-iran-1.433294)" should Iran do so. It also wants [an enrichment capability to mirror Iran’s](http://www.thedailybeast.com/articles/2014/02/14/saudi-arabia-may-go-nuclear-because-of-obama-s-iran-deal.html). An assessment of the nascent Saudi nuclear power program shows that for all of Riyadh's foot-stomping, it doesn't have the technical capability to build nuclear weapons. Even if this technical deficit could be overcome, its allies could influence its intentions. Saudi Arabia has ambitious plans for its nuclear industry. **It wants to build 16 nuclear reactors in the next few decades, but right now Saudi Arabia does not have any nuclear reactors, and its first won't go on line until 2022, at earliest**. To date, the King Abdullah City for Atomic and Renewable Energy (KA-CARE) has scouted out foreign suppliers and developed regulatory frameworks—but gone no further down the nuclear path. **Riyadh lacks the human capacity to develop and operate its own nuclear infrastructure** in the foreseeable future. But Saudi Arabia is aware of its technical shortcomings, and it’s looking for other options After contributing financially to Pakistan's nuclear weapons program and defense sector, the Saudis may want Islamabad to return the favor, some observers believe. The Saudi leadership plays along with suggestions it may acquire nuclear technology from Pakistan. In March 2015, King Salman bin Abdulaziz urgently summoned Pakistani Prime Minister Nawaz Sharif to Riyadh to discuss strategic cooperation efforts, while calling for Pakistani involvement in Saudi efforts in Yemen. This was intended to remind nuclear weapons state negotiators that Riyadh is keeping its nuclear options open. But it is [**unlikely the Saudis will get a nuclear weapon from Pakistan**](http://nationalinterest.org/commentary/why-pakistan-wont-sell-saudi-the-bomb-9416)**. Pakistan**—which covertly developed its nuclear arsenal outside the nuclear nonproliferation regime—**aims to normalize its nuclear status, rather than becoming further alienated** from the international community. Islamabad was already singled out for the activities of the world's biggest and most successful illicit nuclear trafficking network, led by a key figure in its nuclear weapons program, A.Q. Khan. What’s more, Islamabad is extremely proud of its nuclear achievements. In the words of Zulfiqar Ali Bhutto, “We will eat grass, even go hungry, but we will get one of our own [bomb].” Pakistanis didn’t eat grass, but they [endured a great deal](http://cns.miis.edu/npr/pdfs/morrow64.pdf) of hardship to get the bomb. The **program was extremely costly** for the country. So, it’s no surprise that many Pakistani officials and former officials take issue with assertions that their country might give nuclear weapons to Saudi Arabia. Even if Pakistan agreed to provide the Kingdom with the bomb, **the Saudis are very unlikely to go through with such an acquisition**. Saudi Arabia **is dependent on the United States for security guarantees**. As long as Washington remains Riyadh’s main security guarantor, it has the power to influence Saudi decision making on other issues, including, specifically, nuclear weapon acquisition. And the Kingdom would find it very difficult to attract another country willing to supply the security and trade guarantees that the United States now provides. It is hard to imagine any of the world's major powers agreeing to be viewed as a supporter of nuclear proliferation. It is reasonably likely that Saudi Arabia will continue its efforts to develop a civilian nuclear program. [Saudi Arabia recently signed a nuclear cooperation agreement with South Korea](https://www.wsj.com/articles/saudi-nuclear-deal-raises-stakes-for-iran-talks-1426117583) to explore the feasibility of building two nuclear reactors in the Kingdom. Moving forward with South Korea as the main supplier raises a key issue: Washington says that Seoul’s reactors are US designs, and that, if that technology is to be sold, the countries acquiring it must enter into nuclear cooperation contracts (known as 123 agreements, because they are based on Section 123 of the US Atomic Energy Act) with the United States. Although South Korea disputes the need for a 123 agreement, if Saudi Arabia does agree to enter into such a pact, it could well mean a ban on enrichment and reprocessing in the Kingdom, closing domestic paths to the bomb. Riyadh could of course acquire nuclear technology from the two other countries that have developed nuclear power plants on an international basis, France and Russia. But given Paris’s hardline stance on nonproliferation, it’s unlikely to oblige an effort by Saudi Arabia to develop the enrichment or reprocessing capabilities needed to produce fissile material in the Kingdom. Moscow, too, would think twice before allowing Riyadh to go nuclear, particularly given the competition between the two countries in world petroleum markets and their divergence on regional security matters.