

HOW RUSSIAN COMPANIES LOBBIED FOR THE EU TAXONOMY TO INCLUDE FOSSIL GAS & NUCLEAR ENERGY

And why the European Parliament must stop new rules giving Putin exactly what he wants



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1. INTRODUCTION

The EU's sustainable finance Taxonomy is a set of rules that will govern which activities can be labeled as sustainable. The Taxonomy became law in July 2020, but legislators left the important technical details to be resolved through delegated acts. The Taxonomy's key principle is that activities should substantially contribute to one of six environmental goals¹ like tackling climate change -and Do No Significant Harm in all other areas. Despite this, it has been shown how the gas and nuclear industry pulled out all the stops to get their dirty and dangerous energy sources included, and in February 2022, the European Commission proposed a delegated act that did just that. The Taxonomy should prevent greenwashing, but including gas and nuclear turns it into a tool for greenwashing, helping to finance new dirty energy projects (see Box A)2.

In light of Russia's invasion of Ukraine,
Greenpeace France decided to investigate
whether Russian companies were part of the
lobbying to fatally weaken the Taxonomy. The
results are eye-opening. Russian state-owned
(or-linked) oil and gas and nuclear companies,
such as Gazprom, Lukoil and Rosatom – and the
lobby groups that represent them, including Gas
Infrastructure Europe and the World Nuclear
Association – have been actively lobbying on the
file. And the Commission seems determined to
give them exactly what they want.

The new delegated act would entrench Europe's dependence on Russian gas and uranium – already over 40% and 20% of its supply, respectively.³ As Russian Energy Minister Nikolai Shulginov put it, the EU Taxonomy's new delegated act does not bring risks "but a range of opportunities"⁴ – like selling more fossil gas (or hydrogen made from it), uranium, reactors and other nuclear services.

The EU has caved in to the gas lobby to an extent that even Russia's own Taxonomy, created in September 2021, does not do. 5 On the other hand, from the outset, Russia labeled nuclear as green, with Rosatom's boss saying other countries should "follow Russia's example by also formally recognising nuclear as a green energy source."6 This is precisely what the European Commission did: its new delegated act, by including nuclear and gas, could increase Europe's energy dependencies on Russia giving Putin powerful geopolitical bargaining tools. What's more, there is a worrying correlation between Russia's oil and gas exports to Europe and its military spending, which cannot be ignored in view of Putin's attack on Ukraine. But there is still hope: the European Parliament - which has already adopted a resolution to put an embargo on imports of Russian gas and uranium⁸ – will get the chance to vote down this toxic and climate-catastrophic act this summer.



THE EU TAXONOMY
OFFERS RUSSIA
"A RANGE OF
OPPORTUNITIES"

Nikolai Shulginov, Russian Energy Minister

Box A: What is at stake if the Taxonomy includes nuclear and gas?

The inclusion of fossil gas and nuclear in the Taxonomy could have far reaching impacts on companies' disclosures, the financial products they offer, and even the national debt framework. It would mislead investors and consumers, and divert investments away from renewable energy and energy savings.

Putting nuclear power generation and fossil gas in the Taxonomy is a major door opener for them both, as investors who want to add them to their portfolio will be able do so while complying with the green label of the Taxonomy. Only 16% of the biggest European asset managers have policies against investing in nuclear power, and only 23% exclude fossil gas, meaning that huge portions of Europe's financial sector will be able to sell consumers misleading products like green pension funds which actually include investments in fossil gas and nuclear energy. Inclusion in the Taxonomy will also allow fossil gas and nuclear power companies to sell green bonds, a market from which they were previously excluded. There are an estimated €3.3 trillion in ESG assets under management in the EU (ie investment funds that take into account 'Environmental, Social and Governance' criteria); changes to the framework could sway investment decisions for large fund managers and their customers. ¹⁰

The Taxonomy will play a crucial role in multiple aspects of the EU's Sustainable Finance Strategy. For example, reporting and disclosure obligations for companies under the Corporate Sustainability Reporting Directive (CSRD) and the Sustainable Finance Disclosure Regulation (SFDR), both of which are currently being negotiated, will refer to the Taxonomy. In addition, the European Commission is working on the reform of the EU economic governance framework, with the Stability and Growth Pact (SGP) at its heart. In order to enable greater investment into the green transition, some stakeholders are suggesting that "green investments" be excluded from counting towards the national debt¹¹ – however, with the Taxonomy providing the definition for what counts as a "green investment", this could give member states *carte blanche* to ramp up their investments into fossil gas and nuclear power.

2. RUSSIAN GAS FIRMS' LOBBYING FOR GAS IN THE TAXONOMY

Russian oil and gas firms have been subtly but significantly embedded in the fossil fuel industry's lobby offensive aimed at getting gas included in the Taxonomy. And there's a reason that dirty energy giants have been fighting so hard: the Taxonomy could facilitate an additional 112 GW of gas power capacity in the EU (assuming maximum utilisation of its proposed new gas rules, leading to the replacement of all existing EU coal power plants with fossil gas). This would be a massive 70% increase in the capacity of gas power in the EU. 13

Under the rules for maximum use of these plants, the Taxonomy proposal could lead, over a 20 year time-frame, to total additional emissions of 1.4 billion tonnes of CO2-equivalent gases. ¹⁴ This is roughly equal to the total combined greenhouse gas emissions of Germany, France and Spain in 2020. ¹⁵ And let's not forget: Russia, as the single biggest exporter of fossil gas to the EU, stands to gain the most from this Taxonomy-driven gas boom (Box B).

Box B: Russia could earn billions from a Taxonomy-driven gas boom

In 2021, Russia exported 155 billion cubic metres of gas to the EU, which corresponds to 45% of EU gas imports and 40% of the EU's total fossil gas consumption.¹6 The total value of these imports is estimated to be above €40 billion.¹7 In 2022, both gas imports from Russia and gas prices have continued to increase, further pumping up the value to Russia of gas exports to Europe.¹8

If, as the new Taxonomy delegated act would allow, all EU coal power plants were replaced by additional gas power plants, this would increase the EU's gas consumption by around 38 billion cubic metres per year. ¹⁹ If all of this demand was taken up by increased imports from Russia, this would add over €10 billion per year in payments to Russia. ²⁰ More realistically, if we assume that only 40% of this extra gas demand is met by Russian imports – ie matching the pre-Ukraine war level of EU gas consumption that comes from Russia – then this would be an extra €4 billion sent from the EU to Russia per year. It is, of course, hard to know how much Russian gas the EU will use in the future, given renewed efforts to reduce Europe's fossil fuel dependency on Russia. However, at the time of writing, there are still no EU sanctions on imports of Russian gas, even as Russia turns off the gas supply to Poland and Bulgaria. ²¹

The repeated past failures of EU countries to wean themselves off Russian energy, following previous occasions that Russia turned off the gas, or after its 2014 annexation of Crimea, point towards the 'lock-in' effect of the huge sunk investments in pipelines and other gas infrastructure from Russia to Europe. Since the start of Russia's war on Ukraine on 24 February 2022, the EU has paid €26.9 billion to Russia for fossil gas, according to the Centre for Research on Energy and Clean Air.²² The high degree of dependency on Russian gas of countries like Germany (whose Finance Minister Christian Lindner said, in April 2022, regarding possible Russian fossil fuel sanctions, that "at the moment it's not possible to cut the gas supplies" mean we cannot assume that new Taxonomy-driven gas demand won't in part be met by Russian supply.

It is also worth noting that, alongside fossil gas imports, Russia is an important provider of gas turbine technology, in particular to countries in Eastern Europe; 75% of Russia's gas turbine exports go to the EU, with a total value of over €2bn in 2019.²⁴ Building the additional 112 GW of gas power plant capacity that the Taxonomy would allow could also be an opportunity for Russia to increase gas turbine exports.



The major beneficiary of the Taxonomy and part of Brussels lobby group Gas Infrastructure Europe:

State-owned Russian gas giant **Gazprom** is set to be a major beneficiary if gas is included in the Taxonomy: Gazprom is the largest supplier of gas to the EU, and it is the sole operator of the pipelines used to export gas from Russia to Europe.²⁵ Gazprom actively lobbies in Brussels, having secured at least ten top-level meetings with Commissioners (or their cabinets) and Director Generals in recent years, and holding a corporate access pass to the European Parliament.²⁶

Gazprom's entry in the EU's lobby register, however, falls short of real transparency, as it fails to declare its lobby group memberships.²⁷ Further digging, however, reveals that Gazprom Energy is listed as a member of French gas and electric lobby **AFIEG**²⁸ and Gazprom Germania as a member of Brussels-based **Gas Infrastructure Europe**.²⁹

Gazprom is the operator of the new Russia-Germany Nord Stream II gas pipeline, and the owner of Germany's largest gas storage facility in Rehden, Lower Saxony. ³⁰ Gazprom Germania was a 100% subsidiary of Gazprom, until the German regulator seized control of the company in April 2022. ³¹ Until then Gas Infrastructure Europe represented Gazprom's interests (along with other gas providers) in Brussels, including targeting the Taxonomy, according to its lobby register entry.³²

Gas Infrastructure Europe has had 12 top-level meetings with the Commission, including Energy Commissioner Simson as recently as February 2022.³³ It is also a member of two European Commission expert groups and an MEP-industry group known as the **European Energy Forum**, which has been investigated by Corporate Europe Observatory for "flagrantly enabling dirty energy companies to wine, dine, and influence MEPs".³⁴

A July 2021 report by Reclaim Finance – which exposes the gas industry's "lobbying bulldozer" to get gas in the Taxonomy – explains how companies externalize lobbying by hiring consultancies, noting that Gas Infrastructure Europe was a client of Nove. To Nove's current lobby register entry shows Gas Infrastructure Europe hired the firm in 2021 to work on files including the Taxonomy. An archive of the EU's lobby register data, provided by lobbyfacts, shows that several more lobby firms have had Gazprom subsidiaries, or groups it's a member of, as a client in recent years, including Portland and Edelman Public Relations Worldwide. States of the sexpose of the



Greenpeace Germany activists protest the NordStream1 Baltic Sea pipeline operated by Gazprom, March 2022

RUSSIAN DOLLS:

Gazprom > Gas Infrastructure Europe > Gas naturally

Gas Infrastructure Europe describes itself as a founding a member of **Gas Naturally**, ³⁸ a lobby supergroup that represents eight associations from across the gas value chain. A letter released under access to documents law reveals that in March 2021, Gas Naturally – which through Gas Infrastructure Europe, has indirectly represented Gazprom – lobbied Commission Vice President Frans Timmermans that "the delegated act should recognise natural gas as an enabling/transitional activity contributing towards climate neutrality" – so that the gas industry can "finance itself in an affordable way" and "be rewarded for investing in the best available solutions." ³⁹

This idea that gas should be funded under the Taxonomy as an 'enabling' or 'transitional' activity is exactly what the Commission eventually proposed in its February 2022 complementary climate delegated act (after postponing the issue in its first, April 2021, delegated act on climate change mitigation and adaptation). The success of the lobby offensive of the fossil gas sector in fatally weakening the taxonomy is clear, ⁴⁰ and it cannot be ignored that some of the most powerful players in this sector – with a lot to gain – include state-owned Russian companies like Gazprom, and the lobby groups that represent them directly and indirectly.

Just scratching the surface?

However, the true breadth and depth of the influence of companies like Gazprom remains opaque, as the more we dig, the more we seem to be only scratching the surface. Take the **Brussels Energy Club (BREC)**, a not-for-profit whose founding members include NIS Gasprom

Neft, 41 a Serbian company majority-owned by Gazprom's oil subsidiary, Gazprom Neft. 42 BREC's events take place under Chatham House Rule and attract officials from the European Commission and Parliament alike, alongside energy companies like Gazprom. 43 BREC's recent events have covered the future of the EU-Russia gas relationship in light of the war in Ukraine, in April 2022,44 Russia's Climate Strategy, in October 2021, 45 and Gazprom in the European market, in February 2020.46 The latter's event description suggests that new gas pipelines like Nord Stream II mean that "any structural shift of the energy security debates in Europe to an agenda overly dominated by the themes of sustainability and climate is likely premature".47 In other words, it is implied that the climate will continue to play second fiddle to fossil gas from Russia, because gas is locked-in to Europe's energy supply by multi-billion euro infrastructure. The inclusion of gas in the Taxonomy would facilitate the financing of yet more expensive gas infrastructure, locking-in fossil gas for even longer - and proving BREC right.

Rosneft part of Commission's industrial hydrogen alliance:

As difficult as it is to uncover the true extent of Gazprom's influence in Brussels, it is harder still for other Russian state-owned fossil fuel companies. Majority state-owned oil and gas company Rosneft, for example, is not currently signed up to the EU's lobby register, but its German refinery branch Rosneft Deutschland was in 2020-2021, spending up to €400,000 lobbying Brussels. As Rosneft Deutschland listed membership of Fuels Europe, but the petroleum refining industry lobby has since told the press, in March 2022, that it had "broken all ties" with Rosneft. However, Rosneft Deutschland also declared in its lobby register entry that it was a member of the European Clean Hydrogen

Alliance (ECH2A), which still appears to be the case; the list of ECH2A members provided on the European Commission's website as of April 2022 includes Rosneft Deutschland. ⁵⁰

ECH2A is one of the Commission's industrial alliances - condemned as captured by the fossil fuel industry⁵¹ – intended to facilitate the large-scale deployment of "clean hydrogen". 52 However, thanks to gas industry lobbying, this includes so-called "low carbon" or blue hydrogen – hydrogen made from fossil gas with (the distant promise of) carbon capture and storage. The gas industry sees fossil-based hydrogen as a lifeline to a business model – and infrastructure like pipelines – that is threatened by climate action. Russia's hydrogen strategy aims to make Russia a world leader in the production and export of hydrogen, targeting 20% of the global market by 2030 – supplementing NordStream II.53 The fact that Rosneft is part of an EU industrial alliance which gives fossil fuel companies the opportunity to shape the debate and direct public money is deeply concerning. Especially in light of the gas industry's successful narrative around 'hydrogen-ready' infrastructure; as Reclaim Finance note, the Commission's first delegated act in April 2021 had weak criteria for hydrogen manufacture and the blending of 'low carbon gases', potentially enabling the financing of infrastructure that will predominantly transport fossil gas.⁵⁴

Looking further - Lukoil's levels of influence:

The role of private Russian companies should not be overlooked, either. **Lukoil** – which in spite of all the rhetoric and sanctions, still has

still has four lobbyists with access passes to the European Parliament⁵⁵ – is Russia's largest non-state-controlled oil firm. However, Lukoil was founded as a state-run company and is still considered to have close ties with the Russian state. The Guardian reported in 2018 that Lukoil "has been used as a vehicle of government influence" and quoted its chief executive, former Soviet oil minister Vagit Alekperov, as saying the company's strategic aims are closely aligned with those of Russia.⁵⁶ The billionaire oil boss actually resigned from Lukoil in late April 2022, after EU sanctions targeted Alekperov and other Russian oligarchs.⁵⁷

Lobbyfacts reveals that Lukoil has hired several different lobby firms in recent years,⁵⁸ and like Rosneft Deutschland, Lukoil is a member of ECH2A. In its current lobby register entry, Lukoil lists the Taxonomy as one of the main files it lobbies on, and declares that it is a member of two major lobby groups that have been pushing for gas' inclusion in the Taxonomy – namely, Fuels Europe and Business Europe:⁵⁹

Fuels Europe told the press in March 2022 that Lukoil's membership was being maintained, and as of end April 2022, it is still listed as a member of this influential group. 60 Fuels Europe is a member of eight Commission expert groups, it has nine lobbyists with Parliamentary passes, and has had 38 top level Commission meetings in recent years, including one solely on the subject of the Taxonomy.⁶¹ Reclaim Finance's investigation into Taxonomy lobbying identified FuelsEurope as the fourth biggest lobby spender, up to €3.5 million.⁶² In its Spring 2020 feedback to the Commission on the Taxonomy, FuelsEurope argued that "technology neutrality should drive the development of the Taxonomy delegated acts" in other words, that renewables should not be favoured over 'low-carbon' gas or hydrogen and went so far as to challenge "the concept of 'lock-in effects'", which it claimed were "not

wholly consistent" with this neutrality.⁶³ FuelsEurope also pushed for the delegated acts to include "transitional activities" that don't have a single emissions threshold; rather, the thresholds should not be "set too low too early". These demands were ultimately successful, opening the door to higher emissions activities and more fossil fuel infrastructure.

Business Europe did have Lukoil listed as a partner company, but in March 2022 the big business group removed Lukoil's name from its Corporate Advisory and Support Group.⁶⁴ That means, however, that Lukoil had an influential position in BusinessEurope throughout the Taxonomy legislative process. And BusinessEurope's levels of influence simply cannot be understated: of the 337 top-level Commission meetings BusinessEurope has had in recent years, 11 were solely focused on the Taxonomy (though other meetings on more general topics may too have discussed it).⁶⁵ More to the point, BusinessEurope sits on the Commission's Platform on Sustainable Finance, which is consulted in the writing of all delegated acts under the Taxonomy regulation.⁶⁶



Russian Dolls, from left to right: Vladimir Putin, Victor Zubkov; President of Gazprom, Torben Brabo President of Gas Infrastructure Europe, Dawn Summers President of GasNaturally, Ursula Von Der Leyen, President of the European Commission

3. EUROPE'S NUCLEAR LOBBY INTERTWINED WITH ROSATOM

Inclusion in taxonomy will entrench EU reliance on Russia

From nuclear energy to weapons, Rosatom is Putin's right hand: Russia's state-owned nuclear energy corporation Rosatom was set up by Vladimir Putin in 2007.⁶⁷ Already the world's leading exporter of nuclear power plants, 68 Russia has a national strategy to increase its nuclear exports,69 while its Western competition is dwindling.⁷⁰ Rosatom is not just in charge of Russia's nuclear power, it maintains Russia's nuclear weapons too (see Box C), and officially controls the Russian Arctic sea route.⁷¹ Rosatom has played an active role in the Ukraine war by sending teams to the two Ukrainian nuclear power plants - Europe's largest nuclear facility Zaporizhzhia, and the now-defunct Chernobyl - that Russia attacked and occupied in March 2022.⁷² Russia's attacks on these nuclear installations shockingly illustrated the vulnerability of nuclear infrastructure. Despite this, proponents of nuclear power have responded to Russia's invasion and nuclear threats with calls for lifetime extensions of ageing nuclear power plants, and pushed for new built nuclear capacity in the EU. The inclusion of nuclear in the Taxonomy will spur this on, and could lead to investment decisions that do not make sense on economic, environmental or security grounds.

For Russia, exports of nuclear goods and services are a political and economic priority, and a key element of its geopolitical agenda, as demonstrated by the generous loans backed by government subsidies that it offers to third countries which make deals with Rosatom.⁷³ Russia is also one of the biggest exporters of uranium and nuclear fuels to the EU, valued at €380 million in 2019,⁷⁴ and estimated to represent 20% of the EU's uranium imports.⁷⁵ It was for these reasons that the EU's 2014

Energy Security Strategy stressed the importance of fuel supply diversification and the need for new nuclear power plants not to depend solely on Russian fuel.⁷⁶ Despite this, the share of Russian uranium in overall EU imports has actually increased, from 18% in 2014 to 20% in 2020.⁷⁷

Rosatom has spun its web through Europe's nuclear industry, creating dependencies:

Through its many subsidiaries, joint ventures and business dealings, covering all parts of the nuclear production chain, Rosatom is entangled in Europe's nuclear industry (see Table 1), creating a significant degree of dependency on the Russian state-owned firm. Specific nuclear reactors, for example, require specific kinds of fuel, so when Rosatom builds a reactor - as in Finland, Hungary, Bulgaria, Slovakia and the Czech Republic - it will mostly also supply its fuel.⁷⁸ The complex technology means that buying a reactor from Rosatom generates a decades-long dependency, from operation and maintenance to management of spent fuel.⁷⁹ Rosatom's construction of nuclear power plants in Europe has been described as having an economic effect "comparable to that of a gas pipeline."80 There are currently 18 Russian designed reactors in the EU^{81,} all of which rely on Russia for their supply of nuclear fuel and other services.

The Taxonomy is set to hand a lifeline to nuclear energy, and Rosatom is *already* directly involved in the construction of new nuclear plants in Finland and Hungary (see Table 1), and part of plans to develop new plants and extend the lifetime of existing plants in Bulgaria and Slovakia.⁸² With the average nuclear plant in Europe costing more than €10 billion⁸³ – these

projects would generate substantial revenue for Rosatom.

Table 1: ROSATOM'S WEB OF INFLUENCE: A glimpse of how the Russian state company is entwined in Europe's nuclear industry*

*As of the start of Russia's Ukraine invasion; it should be noted that some companies have since (partially) cut ties with Rosatom

Country	Entity	Relationship
	EDF	Decades of complex and entrenched business dealings with Rosenergoatom, at all levels of nuclear production chain; new deals as recently as Feb 2022. ⁸⁴
France	Framatome (successor of Areva)	Cooperates with Rosatom's TVEL to supply nuclear fuel to reactors in Europe, and signed long-term cooperation agreement with Rosatom in 2021.85
	Orano (successor of Areva)	Sends reprocessed uranium to Russia, and in 2019 signed deal with Rosatom to build a deconversion plant for depleted uranium. ⁸⁶
	Alstom	Part of Alstom-Atomenergomash, a joint venture with Rosatom to develop half-speed turbines. ⁸⁷
	Assystem	Signed Memorandum of Understanding with Rosatom's RASU JSC in 2019. ⁸⁸
Finland	Fennovoima	Joint venture between Voimaosakeyhtiö (part-owned by Fortum) and Rosatom's ROAS JSC to build Hanhikivi 1 nuclear plant in Finland. However Fennovoima canceled its contract with ROAS JSC in MAy 2022. ⁸⁹
	Fortum	Imports nuclear fuel from Russia for Loviisa nuclear plant, plus has an ongoing contract with Rosatom's TVEL until 2030. 90 Fortum's interests in Russia (coal power, heating plants, hydro), were leveraged in the Hanhikivi 1 nuclear joint venture with Rosatom. 91
Hungary	MVM Group	Hired Rosatom to build the PAKS II nuclear plant in Hungary, and has joint venture with Rosatom called European Power Services, to service and maintain nuclear plants, including PAKS. ⁹²
Germany	NUKEM Technologies GmbH	100% Rosatom-owned technology firm active in decommissioning nuclear plants and management of radioactive waste and spent fuel across Europe. 93
Germany/ Netherlands/UK	Urenco	Delivered 45,000 tons of depleted uranium to Russia over 25 years (as recently as 2020), officially for re-enrichment, but in reality mostly for storage. ⁹⁴
Sweden	Vattenfall	Has a deal for supply of nuclear fuel from Rosatom's TVEL up till 2025. ⁹⁵
Czech Republic	ČEZ	Gets its nuclear fuel from Rosatom's TVEL, and signed new deal in 2019. ⁹⁶

The French nuclear industry, by far the EU's biggest, works closely with Rosatom at all levels of the production chain, from the exploitation of uranium and treatment of waste, to the construction of power plants and their operation.⁹⁷ Russia has 43% of the global uranium enrichment capacity, and produced around one third of the world's uranium hexafluoride in 2020, a substance used in the enrichment process. 98 Rosatom provides 24% of Europe's uranium conversion services, while another 28% is provided by French company Orano, which has close ties and formal cooperation agreements with Rosatom. 99 Rosatom's subsidiary Tenex/TVEL provides 26% of the EU's uranium enrichment services, 100

while its main competitor, Urenco, is dependent on TVEL for part of its waste management. (See Table 1). State-founded Russian think tank RIAC noted that Rosatom's revenues from foreign orders of nuclear power plants are significant, "highlighting the economic potential of a switch of energy relations from fossil fuels to nuclear power". There is little doubt that Russia sees the world's efforts to wean itself off fossil fuels as an opportunity for increased dependence on Russia's nuclear expertise and resources. It would, therefore, be a grave mistake to buy into the narrative that classifying nuclear as a 'sustainable' investment will reduce Europe's energy dependency on Russia.

Box C: Waste, Weapons and Winning a Reprieve

Waste:

Nuclear lobbies like to blow the low-carbon trumpet, but this cannot disguise the fact that nuclear energy produces radioactive waste that future generations will still have the responsibility of managing in several centuries time. What's more, Russia plays a crucial role in the management and storage of nuclear waste from Europe. As a result of the lack of final solutions for waste storage, the Southern Urals and Siberia function as a supposedly temporary storage site for thousands of tonnes of depleted uranium residues from spent nuclear fuel reprocessing and uranium enrichment conducted in the EU. Trance and Germany have both caused controversy in the last couple of years for relying on Russia for uranium enrichment and for the disposal of radioactive waste.

Weapons:

It must not be forgotten that Rosatom is also in charge of Russia's nuclear weapons – in other words, there is no effective separation between Russia's commercial and military nuclear programs. Depleted uranium is also a feedstock for blanket material in fast reactors and as such could be used for the production of plutonium in Russia – plutonium that remains outside international safeguards, and is of potential use in Russia's nuclear weapons programme. ¹⁰⁶

Winning a reprieve, at the expense of renewables:

Nuclear energy threatens to push out more effective investments towards an energy transition because of its high costs. At a minimum, it is expected that the inclusion of nuclear in the Taxonomy will slow down the phase out of nuclear that has happened in the last decade. Despite this, the inclusion of nuclear in the Taxonomy creates opportunities for Russia to tap into the potential investment volume for nuclear estimated by Commissioner Thierry Breton at up to €500 billion by 2050. Nuclear investments towards an energy transition of nuclear extends to the inclusion of nuclear that has happened in the last decade. Nuclear in the Taxonomy creates opportunities for Russia to tap into the potential investment volume for nuclear estimated by Commissioner Thierry Breton at up to €500 billion by 2050.

How Rosatom's interests are lobbied for in Brussels:

Rosatom is not only intertwined with Europe's nuclear industry, it also has many links with the nuclear lobbies that have been pushing so successfully for the inclusion of nuclear in the EU Taxonomy. 9 out of 11 of the top nuclear companies and industry groups by lobby spend and resources – as identified in Reclaim Finance's 2021 investigation into the nuclear industry's Taxonomy lobbying – have direct or indirect links to Rosatom. Digging a little deeper, there are even more ties to be found.

Currently, Rosatom's only entry in the EU lobby register is as Rusatom International Network (RAIN) - in charge of "international sales and promotion of the products of Rosatom nuclear energy sector" - which declares the Taxonomy to be one of the main EU files it lobbies on. 110 Rosatom subsidiaries Rosatom France, Atomenergoprom and AtomEnergoPromSbyt, however, were signed up to the lobby register in previous years - with the former hiring at least two consultancies, and the latter two having top-level Commission meetings. 111 German subsidiary Nukem Technologies, meanwhile, is listed as a member of Internationaler Wirtschaftssenat, an 'NGO' that promotes its corporate member's interests. 112 And that's still just the tip of the iceberg.

Using the World Nuclear Association to win Taxonomy:

Rosatom is a board member of the **World Nuclear Association (WNA)**. ¹¹³ In its lobby register entry, the WNA declares lobbying on the Taxonomy, as well as its participation in the European Nuclear Energy Forum (ENEF), a group which brings together EU governments, MEPs and the nuclear industry. ¹¹⁴ In its Spring 2020 submission to the Commission's Taxonomy consultation, WNA argued that investment into existing and new nuclear plants "should be recognized as sustainable and benefit from inclusion in the taxonomy". ¹¹⁵ It also criticised a

report by the technical expert group that advised the Commission against including nuclear due to radioactive waste breaching the Do No Significant Harm (DNSH) principle: WNA claimed this ignored "the consensus scientific view" and "dramatically undermines the entire taxonomy". 116 WNA insisted that nuclear would contribute to Europe's energy resilience "by reducing the dependence on volatile imported fossil fuels" – but as we have noted, the reliance on Rosatom for nuclear fuel, reactors and technology creates its own dependence.

WNA said "nuclear can form the 'backbone' of the reliable energy system" that we need. Attributing the term 'backbone' to nuclear energy is a misrepresentation of an earlier European Commission statement – which actually called renewable energy sources the backbone of a carbon-free power system. 117 WNA also supported calls "to establish a group of experts with an in-depth knowledge of the nuclear life-cycle" to assess the issue "in time for nuclear to be included in the first round of Delegated Acts." The Commission succumbed to this pressure, giving the task to its own Joint Research Centre (JRC), which in March 2021 gave a favourable assessment of nuclear.



Rosatom criticises Greenpeace, praises 'Voices for Nuclear'

In May 2021, Rosatom published a newsletter lauding the JRC report, which it said "concluded that nuclear energy is comparable to, or even outperforms, renewable energy sources" on certain parameters (but notably not including radioactivity or waste). 118 Rosatom added that despite all of the JRC's evidence, "Greenpeace stooped so low as to suspect JRC experts of a biased attitude". The Russian state nuclear giant went on to quote Greenpeace's March 2021 briefing that expresses concern over the JRC's objectivity, given its "structural links with the Euratom Treaty, its relations with the nuclear industry and the views expressed publicly by JRC members on nuclear energy". 119

It should be noted, however, that criticism of the JRC report was, in fact, quite widespread. For example, the Okologie Institut noted that the JRC failed to evaluate several aspects of the DNSH principle, including the risk of accidents in extended-life nuclear plants, the long term consequences of nuclear waste repositories, and the potential impact of radioactive contamination of water and marine resources. The German Federal Office for the Safety of Nuclear Waste Management, meanwhile, referred to the JRC's "incomplete view" of the consequences and risks of nuclear for people, environment and future generations, some of which it "does not even mention". 121

Nonetheless, Rosatom elaborated that "Not every NGO shares the viewpoint of Greenpeace", citing a March 2021 letter to European Commission President Ursula von der Leyen from dozens of "NGOs from different countries". Rosatom quotes this letter – which argues that decarbonisation will fail without the inclusion of nuclear – at length. The signatories of the letter are a collection of pro-nuclear groups, and the organisation that sent the letter,

Voices for Nuclear, gets funding from "companies affiliated with the nuclear industry". 122 Despite insisting that it is not a nuclear lobby, the board of directors of Voices for Nuclear includes the CEO of Framatome (among the first to "support its creation") and the head of the World Nuclear Association (of which Rosatom is a member). 123 Its lobby register entry (under its French name, Les Voix du Nucléaire 124) reveals that its main funders are Framatome and Orano. 125 Additionally, Reclaim Finance notes that Voices of Nuclear identifies Société Française d'Energie Nucléaire (SFEN) among its "friends" - and SFEN's partners include the Nuclear Society of Russia, which is represented on Rosatom's Public Council.¹²⁶

Influencing the EU through Finnish joint venture Fennovoima:

Rosatom states that it "took part in the open discussion of the draft taxonomy and Delegated Act, which were made available online for expert review and comments in accordance with the established procedure." However, we have been unable to identify any Taxonomy consultation responses from Rosatom. 127 Its interests are nonetheless represented by other actors – not just WNA, SFEN, and many of the companies it has strong ties with (see Table 1), but Rosatom's Finnish joint venture **Fennovoima**.

Finland's newest nuclear power company is planning to build the Hanhikivi 1 nuclear power plant, with RAOS Project, which is part of the Rosatom Group. 128 RAOS Project is a 34% co-owner of Fennovoima, together with Finnish company Voimaosakeyhtiö (which is itself part-owned by Fortum). 129 Furthermore, in one of the clearest examples of what dependency can mean in political terms, Russia reportedly exerted political and economic pressure on Finland in 2014 to force the Finnish company Fortum (which has extensive assets in the heat and power sector in Russia) to take a bigger share in

Fennovoima, in order to meet domestic financing requirements. There are also indications that Rosatom had attempted to gain a larger share in the project than it was legally permitted, through a Croatian front-company called Migrit Energija. 131

Despite opposition, the Fennovoima joint venture was approved in 2014 following Russia's annexation of Crimea. 132 Fennovoima's lobby register entry - which makes no mention of Rosatom - names the same consultancy previously hired by Rosatom France, Sass Consulting. 133 Investigations have indicated that Sass Consulting ran a political and media PR campaign that was instrumental in getting the Fennovoima project approved, including by helping to blur links with Rosatom. 134 In Spring 2022, however, after Russia's invasion of Ukraine, Finland's Minister of Economic Affairs, Mika Lintila, reportedly said it would be "absolutely impossible" for the government to grant a construction permit for the Hanhikivi plant; despite this, Rosatom's subsidiary ROAS was continuing its "preparatory construction work" in accordance with its contract. 135 On 2 May 2022, Fennovoima announced it had cancelled its contract with RAOS, citing RAOS Project's inability to deliver the contract and risks arising from the war in Ukraine which could not be mitigated. 136

Nonetheless, prior to this and throughout the taxonomy legislative process, Fennovoima has been an active lobby on the Taxonomy. Records of MEPs' lobby meetings – which are unfortunately far from complete, as it is not mandatory for MEPs to declare them – reveal that Fennovoima had at least three MEP meetings in May 2021, including one on the taxonomy. ¹³⁷ One of these meetings was with Finnish centre-right EPP MEP Petri Sarvamaa. Just over a month later, Sarvamaa co-signed an MEP letter to five Commissioners calling for the inclusion of nuclear energy in the Taxonomy. ¹³⁸

What's more, Fennovoima's response to the Commission's Spring 2020 Taxonomy consultation - which again makes no mention of Rosatom - says it is "vital that the critical role of nuclear power is recognized in the taxonomy. Otherwise, the ambitious climate targets cannot be met."139 Fennovoima focuses on nuclear energy's low emissions, while presenting the issue of nuclear waste as solved, ¹⁴⁰ and pushing for a "technology-neutral" approach. Acceptance of the technology neutral principle has been key to the nuclear industry's success in infiltrating the taxonomy, by redirecting attention from its harmful characteristics to its low-carbon credentials. 141 As Reclaim Finance notes, the application of this principle to nuclear power "minimizes its specificities — notably regarding radiation"; comparing solar and nuclear only on the basis of carbon emissions, for example, "draws a rather incomplete picture that closely aligns with the narrative of nuclear advocates"142.

Fennovoima in the background of nuclear lobby FORATOM:

Fennovoima's lobby register entry lists a large number of associations that it is a member of. notably including Brussels' main nuclear lobby group **FORATOM**. 143 FORATOM was, until January 2022, led by Esa Hyvärinen, the former head of the CEO office of Fortum (which also has a stake in Fennovoima). 144 FORATOM has been very active in the Taxonomy debate, 145 complaining that "the issue of waste" had been used "as an excuse not to include this low-carbon technology". 146 FORATOM also emphasised "technology neutrality", and after nuclear was included, further argued that it should be treated on a completely "equal footing" with renewables. 147 FORATOM had at least eight meetings with MEPs in 2019-21, including on the taxonomy, 148 and three of the MEPs it met with subsequently formed a

pro-nuclear MEP club (see below).

MEP nuclear club and Commissioner Simson at Rosatom-sponsored WNE:

In November 2021, centre-right EPP MEP Tomas Tobé, liberal Renew MEPs Karin Karlsbro and Christophe Grudler were among the co-founders of a new parliamentary network on the future of nuclear "as a decarbonized, cost-effective and reliable energy source." ¹⁴⁹ The MEP club's priorities include "the inclusion of nuclear in the European taxonomy", and one of its first activities was a "parliamentary mission" at the **World Nuclear Exhibition** (WNE) in Paris, as a "first opportunity to gather the members". The WNE, organised by French nuclear lobby group Gifen, took place 30 November-2 December 2021, and its "platinum sponsors" included none other than Rosatom. ¹⁵⁰

The keynote speech at the 2021 WNE was given by Energy Commissioner Kadri Simson, who noted it was the first time a European Commissioner had ever spoken at the event. Simson echoed the industry's pro-nuclear 'technology neutrality' argument, by saying that while the EU is neutral towards different energy technologies, it recognises the "contribution that each of them can bring" towards decarbonisation, including nuclear. 151 Simson also referred to the "growing sense of realism" about the need to complement renewables with baseload electricity production. However, the outdated idea of a 'baseload' primarily serves the interests of big energy companies rather than the needs of a flexible, decentralised renewable energy system. 153

Commissioner Simson also took the opportunity to give the Rosatom-sponsored WNE a big hint that she was in favour of nuclear energy. Simson said that without immediate investment in existing nuclear plants, most would be shut

down by 2030 "when they will be needed the most". That's why the upcoming delegated act, Simson promised, would provide certainty and "chart the way forward for many of you in the industry at a key point in time when investments are being considered". In case that hint wasn't strong enough, she finished by adding that "if EU Member States wish to continue to rely on this energy source and exploit its remarkable potential for low carbon energy generation, including for hydrogen production for instance, if industry wants to live up to these new expectations around nuclear, everyone has to evolve, invest, change." 153

Rosatom boss and Commission Energy official speak side-by-side in December 2021:

Nor was Simson's the only Commission intervention at the WNE. As well as hosting a stand at the event, 154 the Commission sent its Deputy Director-General for Energy Massimo Garribba to speak on a Rosatom-organised high-level panel discussion on the role of nuclear in addressing the climate crisis. 155 Garribba spoke alongside Rosatom's Director General Alexey Likhachev, who emphasised nuclear's low emissions credentials and described the UN climate talks COP26 as a paradigm shift in the acceptance of nuclear. The Rosatom boss thanked "our partners from France", saying it was France and Russia's presidents who had set the "fact-based and evidence-based" tone -"such an offensive, in a good way". 156 Garribba, meanwhile, thanked Rosatom for organising the panel, and reiterated some of the facts Likhachev gave about nuclear in the EU ("As DG Likhachev has said very rightly"), concluding that "all the tools" are needed to meet the EU's 2050 target. 157 Simson and Garribba's glowing speeches at the Rosatom-sponsored nuclear industry event just months before

Russia invaded Ukraine stand in stark contrast to the Commission's more recent anti-Russia rhetoric, with Simson, for example, strongly condemning Russia's actions at Zaporizhzhia and Chornobyl, demanding an "end to aggressor's military attacks against & presence at nuclear sites". 158 At the WNE, however, both **Energy Commissioner Simson and Rosatom** boss Likachev used the argument that nuclear helps to reduce reliance on imported fossil fuels. This glosses over the ten-year lead in time to build new nuclear plants, and the fact that their colossal costs channel investment away from renewables like wind and solar, which can be built much faster, thereby reducing reliance on fossil fuels in a far more immediate way (not to mention producing electricity at a far lower cost). 159 Likachev, nonetheless, cited the fact that Europe imports 80% of its gas as a reason for the EU to develop its nuclear industry. When Russia's state-controlled nuclear company - whose management is appointed by Putin, whose strategy is validated by the Russian government, 160 and which controls Russia's arsenal of nuclear weapons – is telling decision makers to prioritise nuclear in order to reduce gas dependency, it's time to take a step back. And to remember that Rosatom is deeply entwined with Europe's nuclear industry (see Table 1), which creates long-lasting dependencies of its own kind.

EDF's entrenched ties and shared lobbying goals with Rosatom:

EDF, for example – of which France is the main shareholder¹⁶¹ – has deep, long-term ties with Rosatom (see Table 1). In 2017, Rosatom subsidiary Rosenergoatom celebrated 25 years of cooperation with EDF, boasting of its "exclusive partnership" covering "every stage of power station operations, from designing

reactors to their commissioning."162 EDF's CEO spoke alongside Likachev on Rosatom's high-level panel, and the two companies signed a joint declaration for long-term nuclear R&D during the WNE, following an April 2021 agreement on nuclear-based hydrogen. 163 EDF also pushed hard to get nuclear in the Taxonomy, demanding a technology neutral approach and railing against the excuse of "some unspecified, potential harm to other environmental objectives" that led to it initially not being recommended for inclusion. 164 EDF has had an impressive 50 meetings with MEPs, including two solely on the subject of the Taxonomy (though it may have been discussed at others), plus 52 top-level Commission meetings, including 4 specifically on sustainable finance/the Taxonomy. 165



Greenpeace France volunteers protest the maintenance of commercial relations between the French nuclear industry and Rosatom at EDF headquarters in Paris.

France and other Rosatom-linked member states drive push for nuclear in Taxonomy:

Rosatom's ties with France go beyond EDF, as Table 1 shows. According to Urgewald and Ecodefense, France, which produces 70% of its electricity from nuclear, is Rosatom's No. 1 client in Western Europe. ¹⁶⁶ In May 2021, Rosatom wrote that the inclusion of nuclear in the Taxonomy is important for France, praising a letter from French President Macron and the leaders of six other EU countries to the European Commission, and quoting its description of nuclear as a necessary "low-emission baseload". ¹⁶⁷ Other signatories also have strong ties with Rosatom, such as Hungary, where Rosatom is building the Paks II nuclear plant, to be serviced by a Rosatom joint venture with Hungary's MVM. ¹⁶⁸ Likewise, the Czech Republic, where President Miloš Zéman until recently lobbied heavily for Rosatom to be included in new nuclear projects. ¹⁶⁹ And not forgetting Slovakia, ¹⁷⁰ which is currently finalising the construction of Russian-designed nuclear reactors Mochovce 3 and 4, supplied by fuel from Rosatom; ¹⁷¹ and Bulgaria, which has an on-off relationship with Rosatom concerning its returning plans to build a new nuclear power station at Belene. ¹⁷²

An Insatiable appetite? Rosatom sees Taxonomy win as important step but wants even more:

In February 2022, Rosatom called the Commission's new delegated act including nuclear an important step in global recognition of nuclear as safe and sustainable. Rosatom complained, however, that "controversial" technical screening criteria would "restrict investments", such as time limits for the extension of existing nuclear plants, and the requirement to use accident-tolerant fuel. ¹⁷³ In other words, like FORATOM, Rosatom wants even more favourable conditions for nuclear energy.



"For a nuclear-free Europe!" is projected on a cooling tower of the Grohnde nuclear power plant in Lower Saxony, Germany, which closed after 36 years in operation

4. CONCLUSION

Russian state-owned companies like Gazprom and Rosatom, and state-linked oil giant Lukoil – together with lobby groups and joint ventures that represent them, such as Gas Infrastructure Europe, the World Nuclear Association, and Fennovoima – have been actively lobbying to get gas and nuclear included in the EU's sustainable finance Taxonomy. And the Commission has given them exactly what they want.

Passing the Commission's second delegated act would pave the way for the greenwashing of – and consequent increase in – investments in fossil gas and nuclear projects. This would be a disaster for the climate and environment, but a financial boon to Russia.

Russia's war in Ukraine has brought Europe's dependency on Russian gas back into the spotlight – with the EU sending Putin nearly €44 billion for fossil fuels during the first two months of the invasion. If the Taxonomy's new gas rules are fully utilised, Europe could be filling Russia's treasury with an extra €4 billion a year. And nuclear energy cannot provide a way out, because the EU's nuclear industry is highly dependent on, and interconnected with, Rosatom. A green light for increased investments in nuclear plays into Russia's hands, making it more difficult to reduce EU dependency on Russia.

Our investigation has uncovered lobbying links that resemble Russian dolls, and Russian fossil fuel and nuclear companies that *still* have access passes to the European Parliament or are members of official alliances, like Rosneft in Commission' hydrogen club ECH2A. In spite of all the rhetoric and sanctions, the door is still open for Russian energy interests to influence decision-makers. That door must be closed, with access passes and memberships retracted for all Russian fossil fuel and nuclear companies, their subsidiaries, and lobby organisations that retain them as members – with participation in events in any way linked to them prohibited.

Russian interests were embedded in the lobbying by both the gas and nuclear industries on the Taxonomy. The Commission's February 2022 delegated act is set to entrench Europe's dependence on Russian gas, uranium and nuclear infrastructure and services, and undermine the EU's efforts to increase its independence from Russia. It is a lucrative opportunity for Russia, one which could help finance its military aggression – like Putin's devastating invasion of Ukraine – while giving Russia even greater bargaining power over Europe.

That is why Greenpeace calls on MEPs to reject the delegated act on nuclear and gas.

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150	World Nuclear Exhibition, WNE 2021 Sponsors, https://www.world-nuclear-exhibition.com/en-gb.html
151	European Commission, Speech by Commissioner Simson at the World Nuclear Exhibition, 30 November 2021, https://ec.europa.eu/commission/commissioners/2019-2024/simson/announcements/speech-commissioner-simson-world-nuclear-exhibition_en
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153	European Commission, Speech by Commissioner Simson at the World Nuclear Exhibition, ibid. Emphasis added.
154	European Commission, Commissioner Simson attends World Nuclear Exhibition in Paris, 30/11/21, https://ec.europa.eu/info/news/commissioner-simson-attends-world-nuclear-exhibition-paris-2021-nov-30_en_
155	Rosatom, ROSATOM to attend at the World Nuclear Exhibition, 29/11/21, https://rosatom.ru/en/press-centre/news/rosatom-to-attend-at-the-world-nuclear-exhibition/
156	WNE Paris, WNE 2021 - Sponsor's Tribune ROSATOM, https://www.youtube.com/watch?v=ICBOY2ut4Jk From 8:46 to 9:15 – based on the translation from Russian to English provided by WNE.
157	WNE Paris, WNE 2021 - Sponsor's Tribune ROSATOM, ibid. From 20:12 to 20:57
158	Kadri Simson on Twitter, 12/04/22, https://twitter.com/KadriSimson/status/1513911487609327621
159	Greenpeace International, 6 reasons why nuclear energy is not the way to a green and peaceful world, <u>i</u> bid.
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