

DAILY TRACKER**NUCLEAR ISSUES**

1. President Emmanuel Macron on Tuesday announced France would launch a drive to build new nuclear energy plants in order to better meet growing energy and environmental challenges. "To guarantee France's energy independence and achieve our objectives, in particular carbon neutrality in 2050, we will for the first time in decades relaunch the construction of nuclear reactors in our country," Macron said in an address to the nation.

Source:<https://www.ndtv.com/world-news/france-to-relaunch-construction-of-nuclear-reactors-2605025>

2. China now possesses the biggest navy in the world by number of hulls, the US Defense Department confirmed in its recent report on Beijing's armed forces. But that's not necessarily the metric that matters. "There's more to the comparison than the number of hulls," Jerry Hendrix, author of *To Provide and Maintain a Navy*. "The real number in the competition is the number of missile tubes."

Source:<https://www.forbes.com/sites/davidaxe/2021/11/10/yes-the-chinese-navy-has-more-ships-than-the-us-navy-but-its-got-far-fewer-missiles/?sh=39b301c461b6>

3. Israel has used it to intercept thousands of Palestinian rockets and mortars. Now the Iron Dome missile-defense system is being tested in Guam by U.S. military planners concerned about possible Chinese attacks.

Source:<https://www.wsj.com/articles/u-s-tests-israels-iron-dome-in-guam-as-defense-against-chinese-cruise-missiles-11636455224>

4. The urban area of a city in eastern China on Tuesday became the country's first to be fully heated by nuclear power, making it the only "zero carbon" Chinese city, state media reported.

Source:<https://www.hindustantimes.com/world-news/china-homes-of-200-000-residents-in-haiyan-g-now-fully-heated-by-nuclear-power-101636467847549.html>

5. President Emmanuel Macron on Tuesday announced France would launch a drive to build new nuclear energy plants in order to better meet growing energy and environmental challenges."To guarantee France's energy independence and achieve our objectives, in particular carbon neutrality in

2050, we will for the first time in decades relaunch the construction of nuclear reactors in our country," Macron said in an address to the nation.

Source: <https://www.ndtv.com/world-news/france-to-relaunch-construction-of-nuclear-reactors-2605025>

6. France will launch a drive to build its first new nuclear reactors in decades to reduce its dependence on foreign countries for its energy supplies and as part of efforts to meet its promises to reduce planet-warming emissions, its president announced Tuesday. With concerns over purchasing power topping opinion polls five months before the presidential election, at a time of soaring energy prices, President Emmanuel Macron said the decision to go for new reactors was essential to keep prices "reasonable."

Source: <https://www.dailysabah.com/business/energy/france-to-build-its-first-new-nuclear-energy-reactors-in-decades>

7. "To guarantee France's energy independence and achieve our objectives, in particular carbon neutrality in 2050, we will for the first time in decades relaunch the construction of nuclear reactors in our country," Macron said in an address to the nation. "If we want to pay for our energy at reasonable prices, we need carbon-free energy," said the President who said the new reactors would be the third generation EPR (Evolutionary Power Reactor) reactors. "These investments will allow us to step up and meet our commitments as the COP26 in Glasgow closes," he added.

Source: <https://www.thelocal.fr/2021/11/09/france-to-relaunch-construction-of-nuclear-reactors-macron-announces/>

8. Rolls-Royce is set to work alongside the UK government to develop a fleet of small nuclear reactors to generate cleaner energy. The UK engineering firm said in a statement it had created a Rolls-Royce Small Modular Reactor unit, following £195 million (\$264 million) of cash from US energy company Exelon and privately-held BNF Resources UK over three years.

Source: <https://www.arabnews.com/node/1965276/business-economy>

NUCLEAR PROLIFERATION

1. The modernization of nuclear technology, particularly nuclear weapons and defense systems, has been metastasizing all throughout the world. What has been most troubling as of recent is China's development and testing of their hypersonic missiles. These missiles, going around three times the speed of sound, are undetectable by any means of radar and missile defense systems and are more than capable of carrying a nuclear warhead around the globe without breaking a sweat.

Source: <https://news.sky.com/story/china-will-have-at-least-1-000-nuclear-warheads-by-2030-pentagon-report-warns-12459705>

2. A thugs has been jailed for "a campaign of violence" which saw him attack his mum before taking his cousin hostage and threatening to kill him. Jordan Jackson was yesterday sentenced to almost four years in prison for the "rampage" which spanned three towns in one day. Sheriff Gillian Craig said the measures were necessary "to protect the public from serious harm" as she sentenced Jackson.

Source: <https://www.dailyrecord.co.uk/news/crime/nuclear-weapons-threat-scot-caged-25419215>

3. The F-35A Joint Strike Fighter is nearly ready to take on a new mission, that of a nuclear-capable bomber. The Air Force has completed the flight testing to ensure the F-35A can safely—and reliably—drop the B61-12 thermonuclear bomb. The combination of crewed aircraft and nuclear bomb will ensure the U.S. government would have options in the event of a crisis, including one where a nuclear bomb could be literally recalled at the last second.

Source:

https://finance.yahoo.com/news/why-pentagon-equipping-f-35-181300606.html?guccounter=1&guce_referrer=aHR0cHM6Ly93d3cuZ29vZ2xlLmNvbS8&guce_referrer_sig=AQAAAFuMYirv9C3iuaejStwxA-u9zRE7_vM--UOXyAYh94tHla8iYm1T2UhaELAr6pTwI4YcLd_jlliuC7JSqxLMnD_xaDg7sp-lhcPI8FchSrTLAWK0w7TsJP1X7wCsGM6ZKoMTZq5BaKe_p3sLxCSw72dnDF6undxap-C0axdwOMFd

4. In a report adopted on Tuesday, the Committee on Foreign Affairs MEPs call for policies to move forward the reduction and elimination of all nuclear weapons and create conditions to achieve a

world free of nuclear weapons. The ongoing erosion of the global non-proliferation, disarmament and arms control architecture is, MEPs warn, being worsened by the rapid development of new and potentially destabilizing technologies such as artificial intelligence-enabled weapon systems, hypersonic missiles, and drone technologies.

Source: <https://www.europarl.europa.eu/news/pt/press-room/20211107IPR16806/weapons-of-mass-destruction-concern-over-the-state-of-global-disarmament>

5. Arms control has become *passé*. Russian and U.S. leaders have cast aside treaties as inconvenient to their pursuit of freedom of action. Republican presidents produced great arms control achievements. At present, most Republican senators and aspirants for higher office denigrate arms control and treaty-making as a failed, unnecessary, and unwise pursuit. Arms control provided necessary guardrails in the past. Now, dangerous military practices are on the rise, especially in Ukraine and across the Taiwan Strait. U.S.-Chinese relations are trending toward crisis. Four nuclear-armed states in Asia — China, Pakistan, India, and North Korea — are increasing their nuclear arsenals. Every nuclear-armed competitor is relying increasingly on deterrence as the diplomacy of arms control is in the doldrums. If unaltered, these trend lines point toward tragedy.

Source: <https://warontherocks.com/2021/11/how-to-avoid-nuclear-war/>

MISSILES/BIO WEAPONS

1. Russia is developing an advanced, never-before-seen S-550 missile system, the Defense Ministry announced Tuesday. Reports suggested the model is a revival of a late Soviet project shuttered in a deal with the United States. Defense Minister Sergei Shoigu said the orders came from President Vladimir Putin at a recent meeting with military top brass.

Source: <https://www.themoscowtimes.com/2021/11/10/russia-teases-new-s-550-missile-system-a75519>

2. The global missile seekers market size is projected to grow from USD 5.3 billion in 2021 to USD 6.8 billion by 2026, at a CAGR of 5.2% from 2021 to 2026. The market is driven by various factors, such as geopolitical instabilities, changing nature of warfare, increasing defense expenditure of emerging economies, and technological advancements in missile seekers.

Source: <https://www.globenewswire.com/news-release/2021/11/10/2331522/0/en/Global-Missile-Seekers-Market-2021-to-2026-Miniaturization-of-Missiles-and-Their-Components-Presents-Opportunities.html>

3. Rust's November update will give players a new reason to watch the skies, because after today those skies might be filled with up to a dozen rockets screaming toward your base and/or face. The November update adds military bases to the map, and each base has a missile-launching vehicle that can be used to rain death and destruction onto a specifically targeted area. "The new Desert Military Base monuments each have a parked Multiple Launch Rocket System (MLRS)," says Facepunch Studios. "This vehicle doesn't move—you won't be driving it around the map—but it can be set up to fire rockets to any target. Except safe zones, naturally."

Source: <https://www.pcgamer.com/push-a-button-to-make-it-rain-missiles-in-the-new-rust-update/>

4. China now possesses the biggest navy in the world by number of hulls, the US Defense Department confirmed in its recent report on Beijing's armed forces. But that's not necessarily the metric that matters. "There's more to the comparison than the number of hulls," Jerry Hendrix, author of *To Provide and Maintain a Navy*. "The real number in the competition is the number of missile tubes." A warship is only as powerful as its weaponry. A popular criticism of the Royal Navy, for instance, focuses on the relatively anemic missile load-out of the British fleet's otherwise big, high-tech vessels.

Sources: <https://www.forbes.com/sites/davidaxe/2021/11/10/yes-the-chinese-navy-has-more-ships-than-the-us-navy-but-its-got-far-fewer-missiles/?sh=7e2440a061b6>

5. Russia's new state armament program should be based on the latest hypersonic, cognitive and other breakthrough technologies, Russian President Vladimir Putin said at a meeting of the military-industrial commission on Wednesday. "It is obvious that it is important for us in the process of drafting a new state armaments program to take into account all the basic world trends in developing military hardware and armaments," the Russian leader said. "First of all, this relates to introducing advanced information and bio-cognitive technologies and to promoting hypersonic systems and weapons based on new physical principles, the latest reconnaissance, navigation, communications and control systems," Russia's supreme commander-in-chief said.

Source: <https://tass.com/defense/1359749>

6. “Meanwhile, while staying in Penamstan to provide support for refugees, Terra Save staff member Claire Redfield encounters a strange image drawn by a nonverbal boy. Haunted by this drawing, which appears to depict a victim of viral infection, Claire starts her own investigation. She eventually finds a terrifying experiment that was conducted during the Penamstan civil war. Leon and Claire draw closer to an unimaginable truth that all began in Penamstan. They also discover that a terror that can shatter peace is slowly approaching...”

Sources: <https://bloody-disgusting.com/home-video/3691305/netflixs-resident-evil-infinite-darkness-infects-blu-ray-december/>

7. The word Qader translates to "able," Nasr to “success”, and Qadir to “capable”.The Qadir cruise missile is able to hit mobile and motionless targets 300 kilometers away.“The operation to destroy surface and subsurface vessels of the (mock) enemy was conducted by using Iranian-made Qader and Nasr cruise missiles,” the drill spokesman Rear Admiral Mahmoud Mousavi stated.The coast-to-sea Qader missile, which was fired by the Navy at southeastern Makran coasts, hit the target at a distance of 200 kilometers, Mousavi explained. The Nasr cruise missile was also launched by a missile firing destroyer, he added.

Source: <https://bloody-disgusting.com/home-video/3691305/netflixs-resident-evil-infinite-darkness-infects-blu-ray-december/>

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Source: <https://www.forbes.com/sites/davidaxe/2021/11/10/yes-the-chinese-navy-has-more-ships-than-the-us-navy-but-its-got-fewer-missiles/?sh=5e66ecaa61b6>

9. The "Missile Seekers Market by Technology (Active Radar, Semi-active Radar, Passive Radar, Infrared, Laser, Multi-mode), Missile Type (Interceptor, Ballistic, Cruise, Conventional), Launch Mode, and Region (North America, Europe, APAC, & RoW) - Forecast to 2026" report has been added to **ResearchAndMarkets.com's** offering. The global missile seekers market size is projected

to grow from USD 5.3 billion in 2021 to USD 6.8 billion by 2026, at a CAGR of 5.2% from 2021 to 2026.

Source: <https://finance.yahoo.com/news/global-missile-seekers-market-2021-130300647.html>

10. China's reported test of a nuclear-capable hypersonic weapon has raised alarm about the vulnerability of the U.S. to missile attacks by nuclear-armed adversaries. The U.S. should be vigilant about emerging threats, but pouring more money into unproven missile-defense technologies isn't the answer. America's aim should be to keep its missile-defense capabilities aligned with both fiscal reality and the country's strategic interests. Since the early 2000s, America's missile-defense program has been geared to defend both the U.S. homeland and some overseas military assets from limited missile strikes. That has meant building defenses strong enough to stop an attack of the kind North Korea might contemplate, but not so large that they'd be both unaffordable and destabilizing.

Source: <https://www.japantimes.co.jp/opinion/2021/11/10/commentary/world-commentary/u-s-missile-defense/>

UN REFORMS

1. India on Tuesday said that spread of terrorism, particularly in countries facing conflicts, can reverse efforts of the international community. Addressing the UN Security Council open debate on 'Maintenance of International Peace and Security: Exclusion, Inequality and Conflict' held under the current Presidency of Mexico, Minister of State for External Affairs Rajkumar Ranjan Singh said that those supporting it in any manner should be held responsible.

Source: <https://www.timesnownews.com/india/article/spread-of-terrorism-can-reverse-efforts-of-international-community-india-at-un/830580>

2. UN spokesman Stephane Dujarric said on Tuesday that the UN was given no reason for the detentions, but Tigrayans, including lawyers, have reported widespread detentions in Addis Ababa since the state of emergency was declared, saying people are being picked up on the basis of their ethnicity alone.

Source: <https://indianexpress.com/article/world/ethiopia-united-nations-staffers-detained-7615950/>

3. At least 16 United Nations' local employees have been detained in Ethiopia's capital, the UN has said, and a government spokesman asserted they were held for their "participation in terror" under a state of emergency as the country's yearlong war escalates and ethnic Tigrayans face a new wave of arrests. All the detained staffers are Tigrayan, a humanitarian worker told The Associated Press, speaking on condition of anonymity for the fear of retaliation.

Source: <https://indianexpress.com/article/world/ethiopia-united-nations-staffers-detained-7615950/>

4. The United Nations has said 16 of its Ethiopian staff have been detained in the country's capital, Addis Ababa, with six others having been released. Speaking to reporters in New York on Tuesday, UN spokesperson Stephane Dujarric said the world body was "actively working" with the Ethiopian government to secure the immediate release of those who were still in detention.

Source: <https://www.aljazeera.com/news/2021/11/9/un-staff-detained-in-ethiopias-capital-world-body-says>

5. India on Tuesday called for addressing the "persisting" exclusion and inequality in the membership of the Security Council, questioning for how long will the "rightful voices" of the developing world be denied, underlining that the global structure for maintaining peace, security and peacebuilding needs to be reformed. Addressing the Security Council open debate on 'Maintenance of International Peace and Security: Exclusion, Inequality and Conflict' held under the current Presidency of Mexico, Minister of State for External Affairs Dr.

Source: <https://www.newindianexpress.com/world/2021/nov/10/persisting-exclusion--inequality-in-membership-of-un-security-council-needs-to-be-addressed-india-2381564.html>

6. The British hosts of the U.N. climate conference have called on countries to raise their ambitions to cut greenhouse gas emissions by next year, acknowledging that current pledges fall short of what is needed to avert climate catastrophe.

Source: <https://www.reuters.com/business/cop/un-climate-agency-publishes-draft-final-glasgow-deal-2021-11-10/>

7. The United Nations climate summit in Glasgow has made "some serious toddler steps" toward cutting emissions but far from the giant leaps needed to limit global warming to internationally accepted goals, two new analyses and top officials have said.

Source:<https://economictimes.indiatimes.com/news/international/world-news/little-time-but-mountaintain-to-climb-at-un-climate-talks/articleshow/87623776.cms>

8. As the second week of the cop26 United Nations global climate talks began in Glasgow on Monday, the *Washington Post* published a truly remarkable piece of reporting that will surely demoralize the hardworking people gathered in the convention hall trying to hammer out an agreement. A team led by the *Post*'s veteran climate analyst Chris Mooney went through the emissions data proffered by countries at the summit, and found that they were in many cases wildly wrong.

Source:<https://www.newyorker.com/news/daily-comment/trust-is-hard-to-find-at-the-un-climate-summit-in-glasgow>

9. The United Nations has paid nearly \$8 million in salaries to some 23,500 health workers across Afghanistan over the past month, bypassing the Taliban-run health ministry in a test case to inject much needed liquidity into a dire Afghan economy.

Source:<https://www.reuters.com/world/asia-pacific/test-un-skirts-taliban-pay-afghan-health-workers-2021-11-10/>

10. Greta Thunberg and youth climate activists from around the world are filing a legal petition to the UN secretary-general urging him to declare a “system-wide climate emergency”. As Cop26 enters its final days, climate campaigners were due to file a legal document on Wednesday calling on António Guterres to use emergency powers to match the level of response adopted for the coronavirus pandemic by pronouncing the climate crisis a global level 3 emergency – the UN’s highest category.

Source:<https://www.theguardian.com/environment/2021/nov/10/youth-activists-petition-un-to-declare-systemwide-climate-emergency>