

DAILY TRACKER

NUCLEAR ISSUES

1. The Biden administration on Tuesday opened applications for a \$6 billion program to help nuclear power plants struggling with rising costs as it seeks to stop the generators from shutting down under its goal of transitioning to clean energy.
Source: <https://indianexpress.com/article/world/united-states-nuclear-power-credit-program-7877574/>
2. Soldiers from Nuclear Disablement Team 1 conducted nuclear fuel cycle training at Energy Fuels, the nation's sole producer of yellowcake uranium. During Operation Pay Dirt, the Aberdeen Proving Ground, Maryland-headquartered Nuclear Disablement Team 1 trained at the White Mesa uranium mill in Utah and the Nichols Ranch in-situ recovery mine and plant north of Casper, Wyoming, April 4 - 8.
Source: <https://www.dvidshub.net/news/418781/us-army-nuclear-disablement-team-trains-uranium-facilities>
3. Russia test-launched a new nuclear-capable intercontinental ballistic missile which President Vladimir Putin said on Wednesday
Source: <https://www.reuters.com/world/europe/russia-tests-new-intercontinental-ballistic-missile-2022-04-20/>
4. In a move that could deal a blow to America's dependency on foreign nations for heavy rare earth minerals, mining and refining, specialty chemicals company Evolution Metals has announced the acquisition of massive Argentinian uranium deposits.
Source: <https://www.marketwatch.com/press-release/american-uk-companies-collaborate-to-develop-massive-uranium-deposits-in-argentina-2022-04-20?tesla=y>
5. Russia will not use nuclear weapons in Ukraine, says foreign minister. Russia will use only conventional weapons in Ukraine, Foreign Minister Sergei Lavrov said in response to a question about the possible use of nuclear arms in the war.
Source: <https://www.hindustantimes.com/world-news/russia-will-not-use-nuclear-weapons-in-ukraine-says-foreign-minister-101650372028482.html>
6. The Russian Defence Ministry has reported the first launch of its new Sarmat intercontinental ballistic missile. The ministry said the missile was launched Wednesday from the Plesetsk launch facility in northern Russia and that its practice warheads hit designated targets at the Kura firing range on the far eastern Kamchatka Peninsula.
Source: <https://www.defensenews.com/training-sim/2022/04/20/russia-tests-new-nuclear-capable-missile/>
7. Japan's Mitsubishi Heavy Industries intends to build and commercialize nuclear reactors small enough to be transported on trucks by the end of the decade, to capitalize on the demand for non-carbon emitting



energy, Nikkei Asia reported.

Source: <https://eurasianimes.com/mitsubishi-aims-to-commercialize-reactor-on-a-truck-by-2030s/>

8. The nuclear agreement currently being finalized with Iran will directly endanger the national security of the United States. Having already offered Iran too many concessions and opportunities to take yes for an answer, the Biden administration is long overdue in walking away from this deal.

Source: <https://thehill.com/opinion/national-security/3272283-its-time-to-end-the-iran-nuclear-deal-once-and-for-all/>

9. A type of light commonly observed in astrophysics experiments and nuclear reactors can help detect cancer. In a clinical trial, a prototype of an imaging machine that relies on this usually bluish light, called Cerenkov radiation, successfully captured the presence and location of cancer patients' tumors, researchers report April 11 in Nature Biomedical Engineering.

Source: <https://www.sciencenews.org/article/nuclear-imaging-prototype-tumors-glow-erenkov-light>

MISSILES/ BIO WEAPONS

1. Russia test-launched a new nuclear-capable intercontinental ballistic missile. Russia has claimed that it can reach an unmatched 16,000mph and can deploy 10 or more warheads on each missile.

Source: <https://www.wionews.com/photos/can-fly-16000-miles-in-one-hour-how-deadly-is-russias-nuke-capable-satan-2-sarmat-missile-472592>

2. Russia successfully launched its intercontinental ballistic missile "Sarmat" from the Plesetsk cosmodrome in the Arkhangelsk region, despite tensions with NATO over Ukraine. The Russian Defense Ministry confirmed this on Wednesday.

Source: <https://www.wionews.com/world/russia-launches-its-most-powerful-missile-putin-says-can-hit-any-target-on-earth-472520>

3. Pentagon said Ukraine now has "more fixed-wing fighter aircraft than they did two weeks ago" as the US and Europe declared that they would be sending more aid to Ukraine

Source: <https://www.wionews.com/world/amid-russias-donbas-offensive-us-sends-warplanes-to-ukraine-472278>

4. Israel reported that another missile was fired into its territory from the Gaza Strip on Thursday, as per Sputnik news agency.

Source: <https://www.indiatoday.in/world/story/missile-fired-gaza-strip-israel-palestine-1940091-2022-04-21>

5. Anti-ship missiles are an important part of China's anti-access/area-denial (A2/AD) capabilities. These missiles can provide PLA a 'home advantage' by blocking the adversarial navies from accessing contested regions along China's coast.

Source: <https://eurasianimes.com/china-flexes-muscles-with-its-hypersonic-carrier-killer-yj-21->

[missile/](#)

6. Serbian Defense Minister has said that the government is in discussion with the UK to acquire both new-build and surplus Eurofighter Typhoon combat aircraft as part of the larger effort to modernize the country's air force.
Source: <https://eurasianimes.com/serbia-interested-in-buying-british-eurofighter-typhoons/>
7. On Wednesday morning, a Taiwanese television broadcaster aired a news alert claiming that Chinese armed forces had begun an invasion, launching missiles at cities and ports surrounding the capital, Taipei, according to local media reports.
Source: <https://eurasianimes.com/china-begins-taiwan-invasion-launches-missiles-at-cities-ports/>
8. The US Air Force (USAF) reportedly dispatched F-15C long-range fighters, armed with live AIM-120C and AIM-9M Sidewinder missiles, from Kadena Air Base (KAB), Okinawa, Japan.
Source: <https://eurasianimes.com/us-deployed-f-15-heavy-fighters-in-response-to-chinese-j-20/>
9. During a recent public lecture, a prominent Chinese military helicopter designer disclosed the potential essential features of future choppers, namely high speeds and artificial intelligence (AI), the Global Times reported.
Source: <https://eurasianimes.com/china-says-its-future-helicopters-will-be-equipped-technologies/>
10. To defend itself from a possible Chinese invasion, Taiwan is considering buying the decommissioned US warship USS Independence, a Littoral Combat Ship (LCS) that saw just 11 years of service. Pentagon-commissioned wargames by the Rand Corporation have repeatedly shown devastating US defeats, where China overwhelms the US and Taiwanese defenses with thousands of small civilian and military boats, Unmanned Aerial Vehicles (UAV), and missiles across the 90-mile distance, clearing a path for amphibious forces to land and begin the invasion.
Source: <https://eurasianimes.com/battling-china-taiwan-looks-to-acquire-us-warship-independence/>
11. Amid tensions with NATO over Ukraine, Russia successfully conducted the launch of its intercontinental ballistic missile "Sarmat" from the Plesetsk cosmodrome in the Arkhangelsk region. This was reported on Wednesday by the Russian Defense Ministry.
Source: <https://eurasianimes.com/russia-launches-its-most-powerful-samrat-icbm-from-plesetsk/>

NUCLEAR PROLIFERATION

1. The talks in Vienna to revive the Iran nuclear deal have reached a stalemate, with neither side appearing to want to budge from the final sticking point regarding the designation of the Islamic Revolutionary Guard Corps (IRGC) as a Foreign Terrorist Organization (FTO) by the United States.
Source: <https://www.al-monitor.com/originals/2022/04/iran-nuclear-negotiations-stalemate-over-irgc-terror-listing>

2. At this point in nuclear negotiations with Iran, it is unclear whether both sides will be able to get across the finish line, State Department spokesperson Ned Price said on Monday. “We’ve spoken to the significant progress that had been achieved in recent weeks,” Price said. “Obviously, we’ve been in a different position now for several weeks.”

Source: <https://www.jpost.com/international/article-704547>

3. All discussions relating to technical subjects in the Vienna talks on the revival of the 2015 nuclear deal have been concluded, the head of the Atomic Energy Organization of Iran (AEOI) said, noting that only political issues have remained to be resolved.

Source: <https://www.tasnimnews.com/en/news/2022/04/21/2699165/talks-on-technical-issues-in-vienna-over-iran-s-nuclear-chief>

4. Unit 3 of the Karachi nuclear power plant in Pakistan passed acceptance tests on 18 April, marking the Chinese-supplied Hualong One reactor's entry into commercial operation, China National Nuclear Corporation (CNNC) announced.

Source: <https://www.world-nuclear-news.org/Articles/Karachi-3-passes-acceptance-tests>



UN REFORMS

1. The security pact between China and Solomon Islands has alerted the West and also made Australia and New Zealand take note. Both the nations see the Solomon Islands as being within a region in their 'backyard'.
Source: <https://www.wionews.com/world/security-deal-with-china-wont-affect-peace-says-solomon-islands-prime-minister-472403>
2. Taiwan is a part of China and no one can change that, Chinese Defense Minister Wei Fenghe said on Wednesday during a rare phone call with U.S. Defense Secretary Lloyd Austin, according to a statement from Beijing.
Source: <https://www.reuters.com/world/asia-pacific/taiwan-is-part-china-beijing-tells-us-2022-04-20/>
3. The number of women in Lebanon dying from pregnancy-related complications has nearly tripled amid a crushing three-year economic crisis that has seen doctors and midwives leave the country, the U.N. children's agency UNICEF said Wednesday.
Source: <https://www.reuters.com/world/middle-east/lebanon-maternal-deaths-triple-childrens-health-risk-amid-crisis-unicef-says-2022-04-20/>
4. Islamic State claimed responsibility for an explosion that it said killed or injured 30 people at a market where alcohol was sold in Taraba State, Nigeria, marking an expansion of the area where the extremist group operates in the country.
Source: <https://www.reuters.com/world/africa/islamic-state-claims-nigeria-bombing-says-about-30-killed-or-hurt-2022-04-21/>
5. Monavara Qureshi, a female student, said education is their right and should not be politicized. She called on the international community to consider the situation regarding girls' education in Afghanistan.
Source: <https://twitter.com/TOLONews/status/1517054721005170688>
6. The United Nations is "extremely concerned" that Mali has prevented its investigators from visiting a town where local troops and suspected Russian fighters allegedly killed hundreds of civilians, the world body said on Wednesday.
Source: <https://www.reuters.com/world/africa/un-says-its-investigators-not-allowed-access-site-mali-killings-2022-04-20/>