

## DAILY TRACKER

### NUCLEAR ISSUES

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1. While the use of residual steam from nuclear power plants to heat homes in Haiyang, China's first city to do so, has raised some safety concerns, experts and industry insiders have quashed those fears in recent days, stressing that the heating process does not involve exchanging hot water or radioactive substances, making it extremely safe and reliable.  
Source: <https://www.globaltimes.cn/page/202111/1239611.shtml>
2. In Illinois, climate advocacy organisations, researchers, and students are at the vanguard of a renewable energy revolution. Despite its heavy reliance on coal-fired power facilities, Illinois is a national pioneer in clean energy because to its numerous high-capacity, zero-emission nuclear plants. According to the Energy Information Administration and the Illinois Environmental Council, the state gets more than half of its electricity from nuclear power and has the greatest nuclear generation in the country.  
Source: <https://dailynorthwestern.com/2021/11/22/campus/climate-advocates-nu-researchers-promote-clean-energy-to-combat-climate-change/>
3. Bruce Power has announced the sale of \$500 million in Green Bonds, a world first for nuclear power and recognition of the technology's important role in combating climate change and allowing a Net Zero future.  
Source: <https://www.brucepower.com/2021/11/22/bruce-power-announces-500-million-issuance-of-first-green-bond-globally-for-nuclear-power/>
4. Nuclear fusion has significant advantages over nuclear fission, the mechanism used to create energy at typical nuclear power stations like Point Lepreau, according to Jack Buckby.  
Source: <https://tj.news/telegraph-journal/101725507??ref=tw&tjid=67096&date=1637593503773>
5. Scientists have demonstrated that keeping the Diablo Canyon Nuclear Power Plant operational saves money and avoids potential blackouts throughout the transition to 100% renewable energy. They agree that existing nuclear power is the best solution for filling this power gap until 100 percent renewable energy is reached, preventing blackouts.  
Source: [https://www.sandiegouniontribune.com/opinion/letters-to-the-editor/story/2021-11-20/opinion-california-must-embrace-nuclear-energy-again?utm\\_source=dlvr.it&utm\\_medium=twitter](https://www.sandiegouniontribune.com/opinion/letters-to-the-editor/story/2021-11-20/opinion-california-must-embrace-nuclear-energy-again?utm_source=dlvr.it&utm_medium=twitter)
6. While most large economies are betting heavily on nuclear energy to achieve carbon neutrality, Canada's Environment Minister Steven Guilbeault says the market will determine which carbon-free technologies will replace fossil fuels.  
Source: <https://nationalpost.com/news/politics/liberals-leaving-nuclears-future-to-the-market-while-other-countries-bet-big>



## MISSILES/ BIO WEAPONS

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1. A senior Pentagon official warned the US military is "not ready" to handle climate change, a national security issue that touches nearly every aspect of Defense Department planning. Deputy Defense Secretary Kathleen Hicks told CNN that "we are not where we should be, and now is beyond the time when we need to get in front of that challenge".  
Source: [https://edition.cnn.com/2021/11/20/politics/pentagon-climate-change-warning/index.html?utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=newsletter\\_axios\\_generate&stream=top](https://edition.cnn.com/2021/11/20/politics/pentagon-climate-change-warning/index.html?utm_source=newsletter&utm_medium=email&utm_campaign=newsletter_axios_generate&stream=top)
2. Speaking at a cultural ceremony in Tehran on Sunday, IRGC Navy chief Alireza Tangsiri said one of the warships will have the capability to launch missiles with a range of 300 kilometers. Rear Admiral Tangsiri said the IRGC and the Defense Ministry are cooperatively building two advanced warships named after two martyrs, General Mohammad Nazeri and Lieutenant General Qassem Soleimani.  
Source: <https://www.tehrantimes.com/news/467253/IRGC-to-be-supplied-with-three-new-warships>
3. A new report published by Antiy Labs, one of China's renowned cybersecurity companies, disclosed an active hacker team whose members are based in Delhi and has been launching cyberattacks against government agencies and defense departments in China and Pakistan.  
Source: <https://www.globaltimes.cn/page/202111/1239441.shtml>
4. American hypersonic missile capabilities are "not as advanced" as those of China or Russia, Space Force General David Thompson said Saturday at the Halifax International Security Forum in Canada, signaling that the U.S. is behind in developing the newest and most cutting-edge weaponry.  
Source: <https://thehill.com/policy/defense/582505-space-force-general-were-not-as-advanced-as-the-chinese-or-the-russians-with>
5. China is bolstering its capacity to manufacture warheads that can be launched from hypersonic missiles, implying that a test this summer that shocked US military officials with its scientific prowess is part of a larger plan to generate new threats to US missile defenses.  
Source: <https://www.wsj.com/articles/china-is-expanding-its-effort-to-launch-weapons-from-hypersonic-missiles-11637588925?mod=e2tw>
6. Commodore Siddharth Mishra (Retd), chairman and managing director of Bharat Dynamics Limited (BDL), stated on Saturday that the company's forthcoming Jhansi unit will manufacture propulsion systems for all anti-tank guided missiles and future missiles.  
Source: <https://www.thehindu.com/news/cities/Hyderabad/bdls-new-unit-at-jhansi-to-make-missile-propulsion-systems/article37616874.ece>
7. On Sunday (November 21, 2021) the Indian Navy commissioned indigenously developed missile destroyer "Visakhapatnam" and the naval dockyard in Mumbai. On twitter Prime Minister Narendra Modi Prime Minister tweeted that the commissioning of the indigenous INS Visakhapatnam will strengthen "our security apparatus." And, "India's efforts towards defence moderation will continue with vigour." Captain Birendra Singh Bains, a Navigation & Direction specialist will command the ship.  
Source: <https://www.financialexpress.com/defence/atmanirbhar-bharat-ins-visakhapatnam->

[indigenous-missile-destroyer-to-make-indian-navy-more-powerful/2373970/](https://www.redlanternanalytica.com/indigenous-missile-destroyer-to-make-indian-navy-more-powerful/2373970/)

## NUCLEAR PROLIFERATION

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1. Pakistan stated on Saturday that the containers confiscated by Indian authorities on a Shanghai-bound cargo ship at Gujarat's Mundra Port were "empty," but had previously been used to transport fuels from China to Karachi for the K-2 and K-3 nuclear power reactors.  
Source: <https://timesofindia.indiatimes.com/world/pakistan/pak-says-empty-containers-seized-at-mundra-port-earlier-used-for-shipping-fuel-from-china-for-karachi-nuclear-power-plants/articleshow/87820813.cms>
2. New York Times claims US officials told Israelis that actions against Iran's nuclear program only accelerate it. The same claims were made about the Iraqi and Syrian nuclear programs, both destroyed by Israel and never renewed. Israel knows best how to defend itself against Iran.  
Source: <https://twitter.com/DrMichaelOren/status/1462634969478701066>
3. Peter Dutton met with UK High Commissioner Victoria Treadell and US Chargé d'Affaires Michael Goldman to sign the AUKUS Exchange of Naval Nuclear Propulsion Information Agreement. This Agreement formalizes Australian access to highly sensitive nuclear submarine technology.  
Source: [https://twitter.com/PeterDutton\\_MP/status/1462619934693810182](https://twitter.com/PeterDutton_MP/status/1462619934693810182)
4. According to the New York Times, US officials have recommended that Israel refrain from further attacks on Iranian nuclear installations while negotiations in Vienna begin on November 29. Furthermore, American officials have advised their Israeli counterparts that employing cyber weapons to stymie the Islamic Republic's nuclear programme, as the US and Israel allegedly did in 2009-2010 with the STUXNET computer virus, will be difficult. According to the article, Israeli officials rejected the proposal and vehemently defended Jerusalem's right to take action against Iran if required.  
Source: <https://www.jpost.com/international/us-pressuring-israel-not-to-rock-nuke-negotiations-boat-nyt-685647>
5. Iran's representatives and others who signed the 2015 nuclear deal will be in Austria starting November 29 to try to resurrect the Joint Comprehensive Plan of Action (JCPOA), which the US abandoned in 2018. Iran, China, Russia, the United Kingdom, France, and Germany will continue six rounds of discussions that were halted in June to allow Ebrahim Raisi, the new Iranian president, to create his administration.  
Source: <https://exbulletin.com/world/international/1295165/>
6. Over the last 20 months, Israeli intelligence operatives have assassinated Iran's top nuclear scientist and detonated major explosions at four Iranian nuclear and missile facilities, all in the hopes of crippling the centrifuges that produce nuclear fuel and delaying the day when Tehran's new government is able to build a bomb.  
Source: <https://www.wionews.com/world/as-hopes-for-nuclear-deal-fade-iran-rebuilds-and-risks->

[grow-431186](#)

7. Iran hoped a visit by the UN's nuclear watchdog director will be "productive," just days before the beginning of talks aimed at reviving the 2015 nuclear deal. The head of the International Atomic Energy Agency (IAEA), Rafael Grossi, was scheduled to arrive in Tehran later Monday. He was scheduled to meet with Foreign Minister Hossein Amir-Abdollahian and the head of Iran's Atomic Energy Organization, Mohammad Eslami, who is also one of the country's vice presidents.

Source: [https://www.timesofisrael.com/iran-hopes-for-constructive-visit-by-iaea-chief-ahead-of-nuclear-talks-restart/?utm\\_source=dlvr.it&utm\\_medium=twitter](https://www.timesofisrael.com/iran-hopes-for-constructive-visit-by-iaea-chief-ahead-of-nuclear-talks-restart/?utm_source=dlvr.it&utm_medium=twitter)

8. According to an official announcement, Australia inked an agreement with the United States and the United Kingdom on Monday to gain access to confidential nuclear submarine information as part of their AUKUS security alliance. For the first time, the US and the UK will share crucial and classified naval nuclear propulsion information with a third country, according to Australian Defense Minister Peter Dutton.

Source: <https://www.aa.com.tr/en/world/australia-signs-deal-to-get-naval-nuclear-information-from-us-uk/2427501>

9. According to AFP, Defense Minister Peter Dutton signed a deal with US and British diplomats permitting the communication of sensitive "naval nuclear propulsion information" between the two countries. It is the first public agreement on technology since the three countries announced the formation of AUKUS, a defence alliance, in September to address geopolitical tensions in the Pacific, where China-US rivalry is rising. Dutton stated after signing the agreement in Canberra with US Charge d'Affaires Michael Goldman and British High Commissioner (ambassador) Victoria Treadell that it will assist Australia finish an 18-month study on submarine acquisition.

Source: <https://english.aawsat.com/home/article/3317826/us-australia-uk-sign-key-deal-nuclear-sub-alliance>

10. Iran's administration has been breaking the 2015 agreement since the beginning, even before former US President Donald Trump vetoed it. Iran did not destroy the core of the Arak plutonium reactor, as mandated by the JCPOA, and senior regime officials brag about it on public television.

Source: [https://heshmatalavi.substack.com/p/iran-has-been-violating-obamas-2015?r=g5eah&utm\\_campaign=post&utm\\_medium=web&utm\\_source=twitter](https://heshmatalavi.substack.com/p/iran-has-been-violating-obamas-2015?r=g5eah&utm_campaign=post&utm_medium=web&utm_source=twitter)

## UN REFORMS

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1. Senior national security officials from seven regional governments met in New Delhi on November 10 to assess the changing situation in Afghanistan, the first such meeting since the Taliban gained control of Kabul in August. The 'Delhi Declaration' was issued as a result of the conclave, in which the participating countries, namely Russia, Iran, Kazakhstan, Tajikistan, Uzbekistan, Kyrgyzstan, and Turkmenistan, expressed their shared concerns about the evolving situation in Afghanistan,

particularly with regard to terrorism and the possibility of the Afghan geography becoming a hub for extremism, drug trafficking, terror financing, and more.

Source: <https://www.orfonline.org/expert-speak/india-iran-and-the-afghanistan-crisis/>

2. The International Olympic Committee (IOC) has stepped into risky waters by participating in a phone call with Peng Shuai, which was supposed to convey reassurance about the Chinese player's safety, according to Amnesty International.

Source: [https://www.channelnewsasia.com/sport/ioc-entering-dangerous-waters-peng-video-call-says-amnesty-international-12331296?utm\\_source=dlvr.it&utm\\_medium=twitter](https://www.channelnewsasia.com/sport/ioc-entering-dangerous-waters-peng-video-call-says-amnesty-international-12331296?utm_source=dlvr.it&utm_medium=twitter)

3. Human rights violation is a daily sight under the extremist Pakistani regime. The house of Baloch poet & journalist Sarbaz Wafa was raided by Pakistani MI. Women and children were beaten. Human rights organizations must take practical steps to protect the families of all Baloch political activists from Pakistani forces.

Source: [https://twitter.com/SohrabBaluch\\_/status/1460695250943590402](https://twitter.com/SohrabBaluch_/status/1460695250943590402)

4. As part of an intensifying crackdown, security forces in Ethiopia's capital, Addis Ababa, have targeted Tigrayans, including children and the elderly, with arbitrary arrests and mass detentions, according to Amnesty International. The majority of detainees are held without charge or access to counsel. Amnesty International's Director for East and Southern Africa, Deprose Muchena, said the mass arrests have created such a fear atmosphere that Tigrayans Amnesty International has spoken to fear being rounded up at any time in Addis Ababa.

Source: <https://www.amnesty.org/en/latest/news/2021/11/ethiopia-tigrayans-targeted-in-fresh-wave-of-ethnically-motivated-detentions-in-addis-ababa/>

5. 12-year-old boy Amir Mohammed Hassan Al Rifai from cystic fibrosis has sparked a nationwide anger in Jordan, days after appealing for government's help to send him abroad for treatment. His grieving father said "I already lost three sons before Amir, all had died of the same disease. I have been appealing to officials for more than 10 years, but to no avail".

Source: <https://www.trtworld.com/middle-east/jordanian-child-s-last-message-before-death-i-will-tell-god-everything-51811>