

UKRAINE FACT SHEET

October 2023

IMPACT OF RUSSIAN AGGRESSION AGAINST UKRAINE SINCE FEBRUARY 24, 2022

- **War Crimes.** > 107k Russian aggression-related and war crimes registered since the start of the full-scale invasion¹; > 1,200 attacks on hospitals and medical workers, 2,400 damaged or destroyed educational institutions, and circa 1,000 kindergartens.² (*Prosecutor General's Office*)
- **Refugees and Displaced Persons.** 6.2m Ukrainian refugees are officially reported globally³; nearly 5.1m remain internally displaced⁴ (*UN Refugee Agency, IOM*)
- **Deportations.** Number of deported Ukrainians to Russia officially registered is about 1.3 mm³, unofficially, it varies from 2.8 to 4.7m⁵. 20k children have been illegally deported⁶. Over 1.5m children are said to be brought to Russia since 2014⁷ (*National Resistance Center, Regional Human Rights Center, Ministry of Reintegration*)
- **Forced Adoptions.** About 20,000 Ukrainian children were deported to be forced into adoption in Russia⁸, 400 adoptions with verified information and names⁹ (*Presidential Commissioners for Children's and Human Rights*)
- **Total Number of Attacks against over 60% of Civilian Targets¹⁰.** > 6,500 ballistic and cruise missiles; > 3,500 drone attacks¹¹ (*Presidents Administration, Ukrainian Armed Forces*)
- **Cumulative Number of Air Raid Sirens Nationwide.** Over 26,700 sirens, adding up to the equivalent of 19 days-long of sirens in Western regions, >40 days in Kyiv, > 116 days in Donetsk region¹² (*alerts.in.ua*)
- **Infrastructure Losses.** Over 30% of infrastructure has been destroyed, with a replacement cost of circa US \$270bn¹³
- **Total Cost of Reconstruction and Recovery.** US \$411bn as of February 2023¹⁴ (*Ukraine's Government, EC, WB, UN*)
- **Economic Losses.** -29.2% YoY fall in real GDP in 2022; 27% of GDP budget deficit, excluding grants¹⁵; Black Sea port operations blocked; -35% YoY in merchandized exports¹⁶; unemployment surged >2x YoY (to over 20%)¹⁷; poverty coefficient – increased 5x to 24%¹⁸ (*NBU, Ministry of the Economy, WB*)
- **Mined Area.** 30% of Ukrainian territory is mined (the equivalent of double Austria's size or 8x the size of Israel)¹⁹; according to different estimates, 30²⁰-70²¹, or even up to 757²² years is estimated to be required to demine Ukraine completely (*State Emergency Service of Ukraine*)

MILITARY AID PROVIDED BY U.S. AND ALLIES TO UKRAINE HAS ENABLED SUCCESSFUL DEFENSE OF FREEDOM, TERRITORIAL INTEGRITY, AND FREEDOM FOR THE UKRAINIAN PEOPLE

- **Occupied Territory.** 7% of Ukraine was annexed/occupied pre-2022²³; 27% - at height in March 2022²⁴; ~18% - now²⁵ (*ISW, War Mapper, WB*)
- **Total Military Aid Committed and Disbursed Since Feb 24th:** About \$95bn, including circa \$42bn from the U.S., and remainder primarily from Europe, UK and EU institutions²⁶ (*Kiel Institute*)
- **Liberated Territory.** Over 54% of the territory occupied since Feb 24th has been liberated, representing c. 8m hectares²⁷ and 1900 settlements²⁸, including 30k hectares and over a dozen settlements since summer counter-offensive began²⁹ (*ISW, Ukraine Armed Forces, Presidential Office*)

DIRECT FINANCIAL AID TO UKRAINE'S BUDGET FROM THE U.S. AND ALLIES KEEPS STATE OPERATING WHILE TAXES COLLECTED FUND PRIMARILY WAGES OF MILITARY AND SECURITY PERSONNEL

- **Ukraine's 2022 Pre-War Budget Expenditures:** \$53bn; military & security is 6% GDP and 19% of budget or c. \$10bn³⁰
- **Ukraine's 2022 Actual Expenditures:** \$83bn; military & security is 33% GDP and 52% of budget or c. \$44bn³¹
- **Ukraine's 2023 Budget Expenditures:** \$73bn; military & security is 26% GDP and 55% of budget or c. \$40bn³²; further increase of military spending to c. \$47bn which is >30% of GDP was announced in September 2023³³
- **2022 Support to Budget by U.S. and Allies.** \$32bn, incl. c. \$12bn grants from the U.S., \$8bn from EU, \$2.7bn from IMF, \$1.9bn from Canada³⁴, € 1.7bn from EIB³⁵, \$5.5bn from Rest of World
- **2022 Key Budget Sources.** 61% from collected taxes; 17% from non-tax income (revenues of budgetary institutions and income from property & business activities); 22% from foreign aid in the forms of grants³⁶

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President: *Andy Hunder*

- **2022 Key Budget Uses.** 52% military & security; 27% social outlays; 8.2% state support; 7.1% healthcare³⁷
- **Increasing Tax Income.** Increasing MoM (+25% YoY in UAH terms in 1H23, in USD - flat), covering 38% of total budget spending³⁸, including military wages (1/3 of budget spending³⁹), while foreign grants help support the running of the state
- **World Bank's PEACE in Ukraine Project.** Partners provided \$4.3bn to reimburse priority social and humanitarian, non-defense related, expenditures for 1Q23; >93% are US grants; Ministry of Finance presented analytical dashboard to increase transparency: 62% were spent for social outlays, 15% for healthcare, 15% for education, 5% for salaries to rescuers of the State Emergency Service⁴⁰ (*Ministry of Finance, Presidential website – Dec 2021, NBU*)

CONTINUED SUPPORT OF UKRAINE IS INVESTMENT IN INTERNATIONAL WORLD ORDER, GLOBAL SECURITY, AND LARGEST REBUILD SINCE WORLD WAR II

- **Ukraine's Significance.** Largest European country by area (excl. RF), with a population of over 40m, incredibly rich in natural resources, home to 20 of the 'critical' raw materials, incl. lithium, cobalt, graphite, and zirconium⁴¹, while its exports feed more than 400m people worldwide, given 55% of land's area is arable land⁴² (*UN, WB*). Over 800m people living in neighboring consumer markets, powered by 20 FTAs with 47 countries, including the EU, making Ukraine a critical player in the global supply chain
- **Oil and Gas Deposits.** Produces crude oil, natural gas, and coal; 2nd in Europe for proven gas reserves, c. 1.1 trn m3 proven reserves⁴³ (*IEA*)
- **Strategic Earth Minerals.** Among the top 10 countries by proven reserves of titanium - 7% of world production⁴⁴. Lithium reserves, a key component for rechargeable batteries, account for c. a third of those proven in Europe⁴⁵ (*ERMA*)
- **IT Powerhouse.** IT is the fastest-growing industry and largest category of services exports (45% in 2022), reaching \$7.3bn vs. \$2bn in 2015, up 2.5x in the last 5 years and ~60x over last 20 years, incl. +6% in 2022⁴⁶ (*NBU*)
- **Immense Tech Talent Pool.** One of the highest levels of IT / Tech graduates per capita in Europe, ahead of UK, FR, IT, PL, RO and top-5 globally by the number of tech specialists - over 360k, +15% annually⁴⁷ (*Ukrainian IT Association*)
Ukrainian developers rank in the top 5-10 globally in multiple rankings (*SkillValue, Topcoder, HackerRank*). Home to largest number of unicorns in CEE (5), over 100 R&D centers of global businesses, top-3 in CEE by the Tech Ecosystem growth for the last 5 years, incl. 2022, >9x since 2017 (*Ukrainian IT Association*)
- **Major Digitalization Underway.** One of the most advanced countries in the world in terms of digitizing public services: 30 public services & 14 documents in smartphone (about 90 services on official website⁴⁸), used by 19m Ukrainians (>50%) in "Diia", a govt services superapp⁴⁹ (*MinDigital*)

ENSURING UKRAINE'S AGRICULTURAL EXPORTS CONTINUE AND SHIPPING ROUTES OPEN IS KEY TO GLOBAL FOOD SECURITY

- **Agricultural Powerhouse.** In 2021, Ukraine accounted for 10% of global grain trade, ranking as the 4th-largest exporter after the US, Argentina, and Russia. The EU – all 27 members combined – was ranked 5th⁵⁰
- **Record Breaking 2021.** Ukraine delivered a record-breaking \$28bn of agricultural exports in 2021. Exports included over 50% of global supply of sunflower meal and oil, c. 20% of global export of rapeseed and barley, 3rd among global exporters; 4th globally in the export of corn (c.12% of global export) and 5th in the export of wheat (9%)⁵¹
- **Key Partner to International Relief Agencies.** World Food Program (WFP), the UN's humanitarian food-assistance, obtains 50% of its wheat from Ukraine, share increased to 80% as of July 2023⁵²
- **Feeds Disproportionate Share of World's Hungry.** Largest buyers of Ukrainian grain traditionally are Asian and African countries (50%), followed by Europe (c. 25%). Low-income countries, like Djibouti, Eritrea, Lebanon, Mauritania, or Tunisia are very much dependent on Ukrainian wheat – at least 40% of grain in each is from Ukraine⁵³
- **Ukraine Continue to Feed World since February 24th.** During 2022, \$23.7bn in agricultural exports, given the Grain Initiative and established alternative export routes⁵⁴
- **July 2022 –July 2023 UN-brokered Grain Deal.** >1 000 ships with almost 33m tons of grain and other foodstuffs left Ukraine from 3 Ukrainian ports (Chornomorsk, Odesa and Yuzhny/Pivdennyi) during this time. Over 65% of the wheat exported through the Black Sea Grain Initiative reached developing countries⁵⁵

- **Destroyed Port infrastructure.** 105 port infrastructure objects were damaged⁵⁶, amounting to over \$0.6bn as of June 2023⁵⁷(KSE Institute). Since July, Russia has destroyed over 280 tons of Ukrainian grain held in ports⁵⁸, total cost of damages is not estimated yet.
- **Recent Attacks on Port Infrastructure.** 16 massive attacks in September alone, each attack comprised of 30-40 Iranian drones, on average⁵⁹
- **Impact of Loss of Ukraine Agricultural Exports.** Loss of export revenues with absence of seaborne grain exports at c. \$0.2bn-0.4bn monthly; monthly export to African, Asian and European countries cut by almost 3m tonnes⁶⁰

Sources: *Dragon Capital, European Council, World Bank, public data sources.*

A CORRUPTION-FREE UKRAINE IS AT THE TOP OF UKRAINE'S AGENDA

- **Key institutions launched.** (i) National Agency on Corruption Prevention (NACP), Aug 2016, led by Oleksandr Novikov since 2020; (ii) National Anti-Corruption Bureau of Ukraine (NABU), formed 2014, launched Apr 2015, led by Semen Kryvonos since March 2023; (iii) Specialized Anti-Corruption Prosecutors Office (SAP), formed Sep 2015, launched c. Apr 2016, led by Oleksandr Klymenko, since Jul 2022 (vacant 2 years prior); (iv) High Anti-Corruption Court (**HACC**), launched Apr 2019, led by Vira Mykhailenko since Feb 2023
- **Major Milestones Reached.** (i) fully formed, functioning independent anti-corruption infrastructure after 2022/23 NABU, SAP, and HACC heads' appointments; (ii) Ukraine removed from GRECO (Council of Europe AntiCor Body) blacklist in March 2023; 1st time in 32 years based on progress over 5 years since 2017
- **Prevention Stats (NACP).** >1 million annual e-declarations of civil servants; on standby since March 2022, renewed in September 2023 though the obligation to make statements public in one year; President vetoed law, insisting on public declarations immediately, except for select cases incl Armed Forces – expected to be voted through in September
- **Investigation Stats (NABU) and Prosecution Stats (SAP).** 456 investigations opened in 2022⁶¹ vs. 633 in 2021^{62 63}; 129 accused officials in 2022, 147 in 1H23⁶⁴ NABU and SAP saved the state \$46m in 1H23 alone⁶⁵ (\$92m in 2022⁶⁶, c.\$70m in 2021⁶⁷)
- **High-Anti Corruption Court Stats.** 139 verdicts in 4 years (37 in 2022), 157 sentences for corruption⁶⁸ (49 in 2022⁶⁹)
- **E-procurement Platform.** Prozorro launched in 2016, mandatory for most state-owned enterprises, government bodies, law enforcement agencies, territorial communities; 160k competitive purchases in 2022, totaling \$6bn, with 33k individuals/ entities taking part⁷⁰. Savings to the government est. at ~\$165mm in 2022⁷¹
- **Military & Other Aid Oversight.** Monitored through the defense attaché of the US in Kyiv and establishment of the Security Assistance Group-Ukraine. Ministry of Finance, with WB, Deloitte, PWC and BDO audit carries out review according to agreed procedures of eligibility of public government expenditures (under USAID SOREA Project)
- **High-Profile Cases.** In September 2023, criminal case was initiated against oligarch Igor Kolomoisky – in a \$250m money-laundering case⁷²; in May 2023, NABU and SAPO exposed a \$2.7m bribery scheme involving the head of the Supreme Court, exposed corrupt actions by 26 heads of state-owned enterprises, held 7 judges accountable 1H23 ⁷³
- **Conscription Transparency.** President Volodymyr Zelenskyy dismissed all officials in charge of regional military recruitment centers in August 2023⁷⁴, resulting in 112 criminal proceedings on corruption charges⁷⁵; announced review of all issued exemptions from military since the start of full-scale invasion

Sources: *Council of Europe, Presidential website, NACP, NABU, SAPO, HACC, Prozorro websites, public data sources.*

ABOUT THE AMERICAN CHAMBER OF COMMERCE IN UKRAINE:

The American Chamber of Commerce is Ukraine's leading international business association that has been serving 600+ members in Ukraine since 1992, delivering the shared voice of best-in-class US, international, and Ukrainian companies, who invested over \$50 billion in Ukraine and remain committed to the country.

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SOURCES

- ¹ Prosecutor General's Office <https://www.gp.gov.ua/>
- ² Report on damages and losses to infrastructure from the destruction caused by Russia's military aggression against Ukraine as of June 2023 https://kse.ua/wp-content/uploads/2023/09/June_Damages_ENG_-Report.pdf
- ³ UNHCR. Ukraine situation https://data2.unhcr.org/en/situations/ukraine?_gl=1*1fjpej0*_rup_ga*MTM2NzAzMDcyOS4xNjk1NjUxNDYz*_rup_ga_EVDQTJ4LMY*M TY5NTY1MTQ2Mi4xLjEuMTY5NTY1MTUwMC4wLjAuMA..*_ga*MTM2NzAzMDcyOS4xNjk1NjUxNDYz*_ga_X2YZPJ1XWR*MTY5NTY1MTQ22My4xLjEuMTY5NTY1MTUwMC4wLjAuMA..#_ga=2.5435763.1131579437.1695651463-1367030729.1695651463
- ⁴ IOM <https://dtm.iom.int/ukraine>
- ⁵ 5 am Coalition. Analytical report https://zmina.ua/wp-content/uploads/sites/2/2023/01/deportation_eng.pdf
- ⁶ Children of war <http://www.childrenofwar.gov.ua/>
- ⁷ Regional Human Rights Center <https://espreso.tv/z-2014-roku-rosiya-deportovala-z-ukraini-ponad-15-mln-ditey-yuristka-rashevsk>
- ⁸ Children of war <http://www.childrenofwar.gov.ua/>
- ⁹ Regional Human Rights Center <https://www.radiosvoboda.org/a/novyny-pryazovya-deportatsiya-ukrayinskykh-ditey-prodovzhuyetsya-vyplaty-za-usynovlennya/32491844.html>
- ¹⁰ President Volodymyr Zelenskyy's speech at "UA: Human Rights in Dark Times" International Conference in Kyiv <https://www.president.gov.ua/en/news/maye-buti-yedinij-pravovij-front-yakij-zdolaye-rosijsku-geno-79753>
- ¹¹ President following the negotiations in the Netherlands <https://www.president.gov.ua/en/news/mi-vikoristayemo-f-16-shob-trimati-rosijskih-terroristiv-yakn-84993>
- ¹² <https://alerts.in.ua/>
- ¹³ Report on damages and losses to infrastructure https://kse.ua/wp-content/uploads/2023/09/June_Damages_ENG_-Report.pdf
- ¹⁴ WorldBank <https://www.worldbank.org/en/news/press-release/2023/03/23/updated-ukraine-recovery-and-reconstruction-needs-assessment#:~:text=KYIV%2C%20March%2023%2C%202023%E2%80%94,equivalent%20of%20%E2%82%AC383%20billion.>
- ¹⁵ World bank <https://www.worldbank.org/en/country/ukraine>
- ¹⁶ Ukrstat <https://www.ukrstat.gov.ua/>
- ¹⁷ NBU <https://bank.gov.ua/en/news/all/inflyatsiyniy-zvit-lipen-2023-roku>
- ¹⁸ World bank <https://thedocs.worldbank.org/en/doc/d5f32ef28464d01f195827b7e020a3e8-0500022021/related/mpo-ukr.pdf>
- ¹⁹ Ministry of Internal Affairs <https://mvs.gov.ua/uk/news/zastupnik-glavi-mvs-ukrayini-bogdan-drapatiy-obgovoriv-z-delegacijeu-korolivstva-niderlandi-pitannia-rozminuvannia-ukrayini>
- ²⁰ Ministry of Defense <https://armyinform.com.ua/2023/04/11/ukrayina-planuye-zaluchyty-minimum-5-tysyach-saperiv-dlya-rozminuvannia-ukrayinskykh-terytorij-oleksij-reznikov/>
- ²¹ Ministry of Economy <https://me.gov.ua/News/Detail?lang=uk-UA&id=4f930d66-96f5-44d6-a74f-be4d514b0fe9&title=UkrainiPotribenramshtain>
- ²² Washington Post <https://www.washingtonpost.com/world/2023/07/22/ukraine-is-now-most-mined-country-it-will-take-decades-make-safe/>
- ²³ UN <https://ukraineun.org/en/ukraine-and-un/russian-aggression/>
- ²⁴ CNN <https://edition.cnn.com/interactive/2022/09/europe/russia-territory-control-ukraine-shift-dg/>
- ²⁵ NY times <https://www.nytimes.com/interactive/2023/09/28/world/europe/russia-ukraine-war-map-front-line.html>
- ²⁶ Kiel Institute <https://www.ifw-kiel.de/topics/war-against-ukraine/ukraine-support-tracker/>
- ²⁷ US Department of Defense <https://www.defense.gov/News/Transcripts/Transcript/Article/3530900/secretary-of-defense-lloyd-j-austin-iii-and-chairman-of-the-joint-chiefs-of-sta/>
- ²⁸ President Zelenskiy <https://www.youtube.com/watch?v=KvOP6XsOx6o>
- ²⁹ Ukraine Armed Forces <https://t.me/annamaliar/1079>
- ³⁰ Ministry of Finance of Ukraine <https://mof.gov.ua/storage/files/%D0%9F%D1%80%D0%B5%D0%B7%D0%B5%D0%BD%D1%82%D0%B0%D1%86%D1%96%D1%8F%20%D0%BF%D1%80%D0%BE%D0%B5%D0%BA%D1%82%20%D0%94%D0%B5%D1%80%D0%B6%D0%B1%D1%8E%D0%B4%D0%B6%D0%B5%D1%82%D1%83-2022.pdf>
- ³¹ Ministry of Finance of Ukraine https://mof.gov.ua/en/budget_2022-538
- ³² Ministry of Finance of Ukraine https://www.mof.gov.ua/storage/files/Amendments%20to%20State%20Budget%202023%20%20-%20%2022_03_23.pdf
- ³³ Parliament of Ukraine https://www.rada.gov.ua/news/news_kom/241933.html
- ³⁴ Parliament of Ukraine https://www.rada.gov.ua/news/news_kom/239582.html#:~:text=%D0%A3%202022%20%D1%80%D0%BE%D1%86%D1%96%20%D0%BC%D1%96%D0%B6%D0%BD%D0%B0%D1%80%D0%BE%D0%B4%D0%BD%D0%B0%20%D0%B1%D1%8E%D0%B4%D0%B6%D0%B5%D1%82%D0%BD%D0%B0,%D0%9A%D0%B0%BD%D0%B0%D0%B4%D0%B8%20%2D%20%241%2C89%20%D0%BC%D0%BB%D1%80%D0%B4.
- ³⁵ EIB <https://www.eib.org/en/press/all/2022-537-eib-group-renews-its-commitment-to-ukraine-with-emergency-and-ongoing-support-and-a-new-donation-from-its-philanthropic-arm.htm>
- ³⁶ Ministry of Finance of Ukraine https://mof.gov.ua/en/budget_2022-538
- ³⁷ Ministry of Finance of Ukraine https://mof.gov.ua/en/budget_2022-538
- ³⁸ Ministry of Finance of Ukraine https://mof.gov.ua/en/budget_2023-582

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- ³⁹ Ministry of Finance of Ukraine
https://mof.gov.ua/uk/news/minfin_vidatki_zagalnogo_fondu_derzhbiudzhetu_u_lipni_stanovili_2318_mlrd_grn-4145
- ⁴⁰ Cabinet of Ministers of Ukraine <https://www.kmu.gov.ua/en/news/minfin-43-mlrd-dol-ssha-profinansovano-na-priorytetni-vydatky-i-kvartalu-2023-roku-v-ramkakh-proektu-svitovoho-banku-peace>
- ⁴¹ European Commission https://neighbourhood-enlargement.ec.europa.eu/news/eu-ukraine-strategic-partnership-raw-materials-european-bank-reconstruction-and-development-will-2022-11-17_en
- ⁴² USDA <https://www.fas.usda.gov/sites/default/files/2022-04/Ukraine-Factsheet-April2022.pdf>
- ⁴³ IEA <https://www.iea.org/reports/ukraine-energy-profile/energy-security>
- ⁴⁴ <https://www.insidermonkey.com/blog/titanium-reserves-by-country-and-10-biggest-mines-in-the-world-1159446/>
- ⁴⁵ [wsj.com/articles/2023/06/10/53c5-j10.html](https://www.wsj.com/articles/2023/06/10/53c5-j10.html)
- ⁴⁶ Ukrstat <https://www.ukrstat.gov.ua/>
- ⁴⁷ Ministry of Digital Transformation <https://itukraine.org.ua/files/ITIGUIT.pdf>
- ⁴⁸ Diia <https://guide.diia.gov.ua/>
- ⁴⁹ Ministry of Digital Transformation <https://thedigital.gov.ua/news/pershyy-v-istorii-samit-diiia-in-dc-u-ssha-mikhaylo-fedorov-prezentuvav-dosyagnennya-tsifrovoi-transformatsii-ukraini>
- ⁵⁰ CEPR <https://cepr.org/voxeu/columns/restarting-ukraines-agricultural-exports>
- ⁵¹ USDA <https://www.fas.usda.gov/sites/default/files/2022-04/Ukraine-Factsheet-April2022.pdf>
- ⁵² OCHA <https://reliefweb.int/report/ukraine/one-year-black-sea-initiative-key-facts-and-figures#:~:text=As%20of%20July%202023%2C%20WFP,commercial%20exports%20have%20global%20benefits.>
- ⁵³ FAO <https://www.fao.org/3/cb9236en/cb9236en.pdf>
- ⁵⁴ Ukrstat <https://www.ukrstat.gov.ua/>
- ⁵⁵ UN <https://www.un.org/en/black-sea-grain-initiative/vessel-movements>
- ⁵⁶ Minister of Infrastructure
<https://www.facebook.com/oleksandr.kubakov/posts/pfbid0Q9JX44pJqw3xUfNn1ctifqtdcymTJQwWxEhhYPPsDrVTBMnUtU7xgrh4TpnLofM3I>
- ⁵⁷ KSE https://kse.ua/wp-content/uploads/2023/09/June_Damages_ENG_-Report.pdf
- ⁵⁸ Ministry of Defense <https://armyinform.com.ua/2023/09/19/cherез-rosijski-ataky-na-ukrayinski-porty-bulo-znyshhenno-280-tysyach-tonn-zerna-llojd-ostin/>
- ⁵⁹ Ministry of Defense <https://armyinform.com.ua/>
- ⁶⁰ Minister of Infrastructure
<https://www.facebook.com/oleksandr.kubakov/posts/pfbid0Q9JX44pJqw3xUfNn1ctifqtdcymTJQwWxEhhYPPsDrVTBMnUtU7xgrh4TpnLofM3I>
- ⁶¹ NABU <https://reports.nabu.gov.ua/archive/nabu-report-second-half-2022/investigations-1/>
- ⁶² NABU https://nabu.gov.ua/site/assets/files/27968/zvit_nabu_pershe_pivrichchya_2021.pdf
- ⁶³ NABU https://nabu.gov.ua/site/assets/files/27956/zvit_nabu_ii_2021_sayt_0.pdf
- ⁶⁴ NABU <https://reports.nabu.gov.ua/investigations/>
- ⁶⁵ NABU https://nabu.gov.ua/site/assets/files/46738/zvit_maket_postorinkovo.pdf
- ⁶⁶ NABU https://nabu.gov.ua/site/assets/files/28001/maket_zvitu_dlya_saytu_0.pdf
- ⁶⁷ NABU https://nabu.gov.ua/site/assets/files/27956/zvit_nabu_ii_2021_sayt_0.pdf
- ⁶⁸ https://pda.pravda.com.ua/columns/id_7418480/
- ⁶⁹ High Anti-Corruption Court of Ukraine <https://first.vaks.gov.ua/wp-content/uploads/sites/2/2023/02/Analiz-zdiysnennia-sudochynstva-VAKS-u-2022-rotsi.pdf>
- ⁷⁰ E-tender <https://e-tender.ua/news/pravila-roboti-u-sistemi-prozorro-1366>
- ⁷¹ Prozorro <https://prozorro.gov.ua/news/z-24-lyutogo-v-ukrayini-provely-94-tysyachi-tenderiv-na-prozorro-na-120-mlrd-grn>
- ⁷² NABU <https://nabu.gov.ua/news/zavolod-nnia-9-2-mlrd-grn-privatbanku-p-do-zriu-t-sia-kolishn-i-benef-tc-arnii-vlasnik/>
- ⁷³ https://nabu.gov.ua/site/assets/files/46738/zvit_maket_postorinkovo.pdf
- ⁷⁴ Office of the President <https://www.president.gov.ua/documents/4912023-47805>
- ⁷⁵ State Bureau of Investigation <https://dbr.gov.ua/news/dbr-vzhe-rozslidue-ponad-110-kriminalnih-provazhen-shhodo-zlovzhivan-voenkomiv>