Eyes on Russia

Report 5

4 April 2022

Eyes on Russia: Report 5
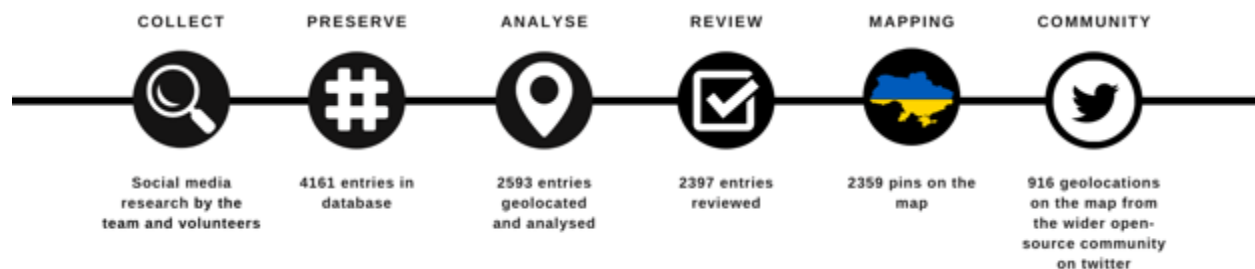
Background

The Centre for Information Resilience's "Eyes on Russia" Project maps, documents, and verifies significant incidents related to Russian aggression toward Ukraine. Each week, CIR investigators collate, geolocate, and verify information appearing on social media and claims made by parties to the conflict. Our latest findings can always be found on this Twitter thread.

CIR contextualizes these details amid the discourse and developments of the week. The footage and imagery is added to the Russia-Ukraine Monitor Map, which policymakers, journalists, and other OSINT researchers can use to track the conflict. As part of this effort, CIR publishes regular written summaries of its research, detailing verified troop and equipment analysis, influence operation narratives, and broader updates. This is the fifth of such regular reports. The first report can be read here.

The Centre for Information Resilience (CIR) is an independent, non-profit social enterprise dedicated to exposing human rights abuses, countering disinformation, and combating online behaviour harmful to women and minorities.

We believe, at a time of heightened tension, that journalists and policymakers should have easy access to verified information. The Eyes on Russia Project will aim to empower its audiences with analysis and facts on which they can rely.

If you require further information, please do get in touch at hello@info-res.org.

COLLECT — Social media research by the team and volunteers

PRESERVE — 4161 entries in database

ANALYSE — 2593 entries geolocated and analysed

REVIEW — 2397 entries reviewed

MAPPING — 2359 pins on the map

COMMUNITY — 916 geolocations on the map from the wider open-source community on twitter

1. Executive Summary

- In the past weeks, the city of Mariupol has undergone a major bombing campaign, which saw confirmed and geolocated footage by CIR investigators of deliberate targeting of civilian residential buildings, infrastructure, and casualties.[1234]

- There have been continued reports of Russian military forces incurring significant losses in the ongoing invasion of Ukraine, with confirmation that the advances on the Ukrainian capital, Kyiv, have now come to a halt.

- In the information sphere, CIR analysts have observed that the proliferation of the 'US biolabs' conspiracy theory has been circulating in neighboring countries to Ukraine, such as Moldova. Highlighting the Kremlin's attempts to infiltrate the information environment in the region.[5]

  o Additionally, analysts have identified accounts which continue to promote the 'genocide in Donbass and Ukrainian war crimes' narrative which has been repeatedly used by Russia and aligned media actors to justify the ongoing invasion of Ukraine. Finally, accounts have been noted promoting 'Anti-NATO' narratives to Russian speakers in neighboring countries.

- CIR has been able to geolocate and verify ongoing Russian losses as part of the ongoing invasion of Ukraine, with some reports suggesting that Russia is facing significant logistical difficulties and an increased reliance on reserve soldiers.[6]

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[1] https://www.nytimes.com/2022/03/20/world/europe/ukraine-russia-war-mariupol.html.
[2] https://apnews.com/article/russia-ukraine-zelenskyy-kyiv-europe-moscow-b56759e5d40db18e94bef8e42db23e47.
[3] https://twitter.com/Cen4infoRes/status/1507816767355330560.
[4] https://twitter.com/Cen4infoRes/status/1506562369119526915.
[5] https://t.me/dimsmirnov175/31484.
[6] https://apnews.com/article/russia-ukraine-putin-europe-nato-49abe49e9b35833a385fe10db802dc5a.

2. Noted Narratives

Since the 23rd of March, CIR has continued to observe the promotion of Kremlin based conspiracy theories across social media platforms, with an attempt to continuously spread disinformation online about the legitimacy and rationale behind its ongoing invasion and occupation of Ukraine.

Developments in the disinformation sphere have included the following:

The Continuous Circulation of the U.S. Biolabs Conspiracy Theory

Since the 23rd of March, CIR analysts have continued to observe the promotion of the U.S. biolabs conspiracy theory. Particularly, analysts have noticed the promotion of the theory in telegram channels across the region, with a particular example in Moldova. Through this ongoing circulation Kremlin promoted disinformation attempts to make gains in the region's information environment, with a particular focus on portraying the Russian invasion as justified and successful.
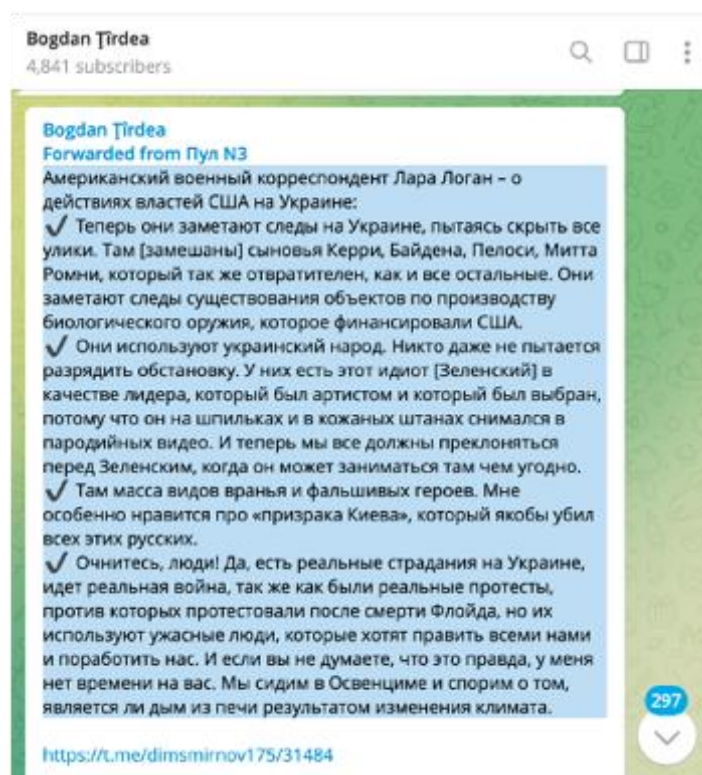

Figure 1 (above): A Screenshot taken on 24 March, 2022 of a 21 March Moldovan Telegram post claiming that the West is trying to cover their tracks in Ukraine and propagating the 'US biolabs in Ukraine' conspiracy theory.[7]

'Ukraine is Nazi' narrative appearing on U.S. veterans' news sites

CIR analysts have continued to note the appearance of 'Ukraine is Nazi' narrative, which claims that Russia is justified in its invasion of Ukraine because of an overwhelming presence of Nazi forces in the country. This narrative has been circulated in the weeks prior to the Russian invasion and has been promoted by Kremlin aligned agencies during the ongoing invasion.

In the past two weeks, CIR analysts have observed the narrative appear on U.S. based "Veterans Today" website, which has sought to amplify the narrative by citing various sources claiming that the Azov battalion has been in contact with far-right figures in the U.S.

The promotion of this narrative within the U.S., could be an indication of the Kremlin's targeting of veterans as a means to counter and fracture support for the Ukrainian military and people, and become more receptive to Russian governmental messaging.[8]

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[7] https://t.me/dimsmirnov175/31484.
[8] https://www.veteranstoday.com/2022/03/27/is-biden-bringing-100000-ukrainian-nazi-murderers-to-america/.

Figure 2: A screenshot taken on 29 March, 2022 of an article titled "Is Biden Bringing 100,000 Ukrainian Nazi Murders to America?" posted on "Veterans Today."[9]

A network of inauthentic accounts is actively tweeting pro-Kremlin and anti-NATO content, boosting the narrative of the genocide in Donbas and Ukrainian Armed Forces' war crimes against Russian soldiers

Several pro-Kremlin inauthentic accounts, many of them showing conventional bot-like behaviour, are pushing false claims to deny the killing of Ukrainians in Kharkiv by the Russian Armed Forces, stating that this is a story created by Ukrainian propaganda. At the same time, they defend that 'real' war crimes have been perpetrated since 2014 by Ukraine with a policy of extermination of Russian ethnics in Donbas.

This week, these accounts have been specifically sharing and amplifying a story about the Ukrainian military allegedly shooting Russian soldiers on their legs.

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[9] Ibid.

Figure 3: Screenshots taken between 26-28 March, 2022 of <u>interconnected</u> Twitter accounts denouncing Ukrainian war crimes against Russians.

An interesting account within the network is @AleaseOxara, created on 2 March, 2022. It has 1.2k followers and shares an average of approximately 700 tweets a day. @AleaseOxara mainly publishes in Russian and English, boosting the 'Nazi Ukraine' narrative, including increasingly frequent mentions of Azov and Aidar battalions denounce brutality within the Ukrainian Armed Forces (for more information about disinformation concerning these two battalions, see below).

The account stops posting every day between 10 PM and 7 AM GMT. Similarly, @Vladimi26788778, created on 13 March, 2022 - with 2.6k followers and an average of 70 tweets per day - also amplifies the 'Nazi Ukraine' narrative consistently. It stops posting every day between midnight and 3 AM GMT.
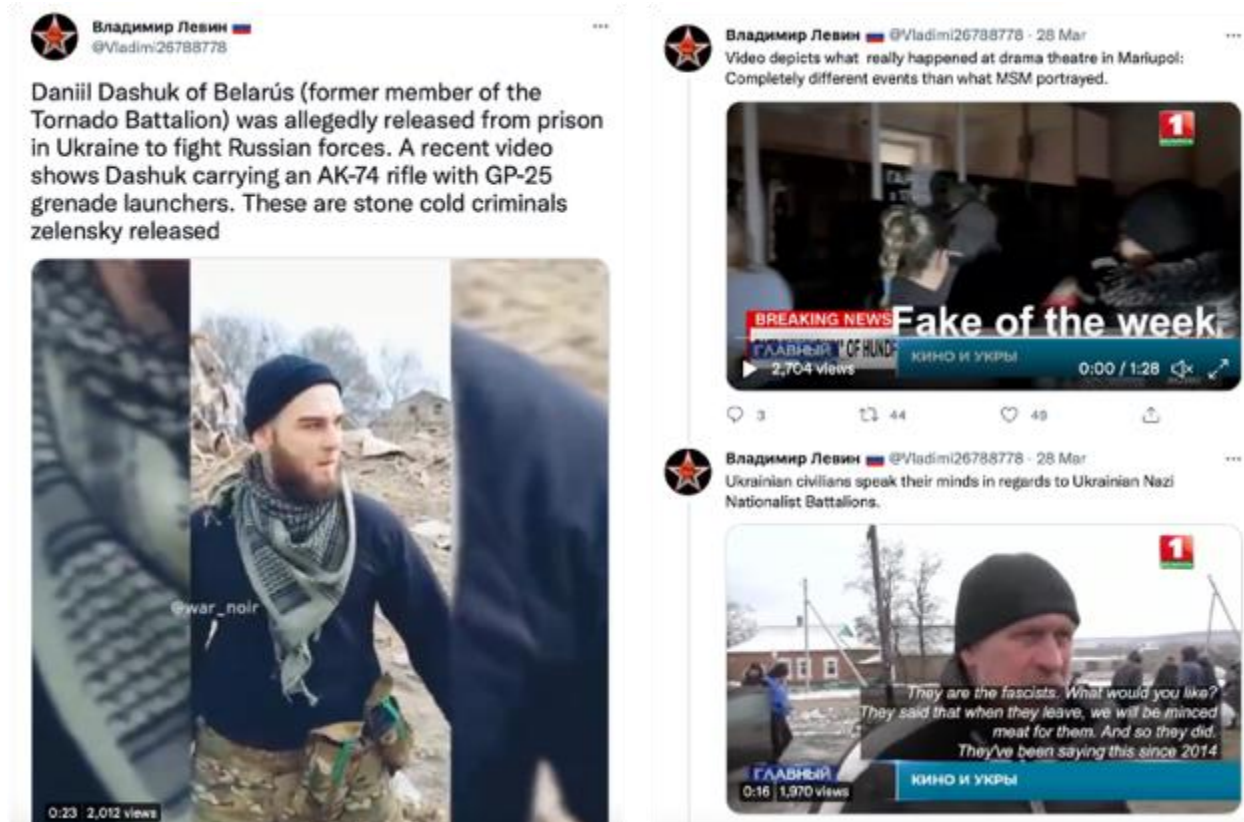
Figure 4. Screenshots taken between 30 March and 1 April, 2022 from tweets by @Vladimi26788778 shared on 28 March, 2022, spreading pro-Kremlin disinformation. .

Other accounts with similar behaviour but less follower count and engagement are @Uncresilenceuxe - created on 18 March, 2022 - and @RiquettiR - created on 14 December, 2021, posting in Russian and Spanish.

All these accounts are linked to each other and constantly engage with content from @GeromanAT - a pro-Kremlin influential voice on Twitter, with 31.4k followers and an average of 120 tweets a day. During this period, @GeromanAT has been amplifying pro-Kremlin content from English sources, including Éric Zemmour's comments about the risks of Ukrainian refugees entering France.

Anti-NATO narratives targeting Russian speakers in neighboring countries

Kremlin and pro-Kremlin media with traditional influence among Russian-speaking groups in the Baltic States (e.g., Baltnews in its Latvian and Lithuanian versions) have increased their focus on anti-NATO and anti-EU narratives since the beginning of the invasion. This week, they have been claiming that the war has increased Russophobia among the Baltic governments and that pro-European politicians within the region are urging NATO to go to war with Ukraine.

Figure 5: A Screenshot taken on 28 March, 2022 of a 28 March Baltnews Lithuania post claiming that the Lithuanian government is imposing severe censorship to eradicate Russian identity and culture in the country.

Baltnews is also using the 'Nazi Ukraine' narrative to justify Russia's attacks – e.g., publishing claims about evidence of neo-Nazi identity signs found in the besieged territory of Mariupol – and to criticise the European governments' support to Ukraine –e.g., stating that Baltic celebrities are being forced to support Ukrainian Nazis.

Figure 6 (above): A 29 March, 2022 of a Latvia post claiming torturing civilians in

Screenshot taken on 29 March Baltnews that Neo-Nazis were Mariupo[10].

Russian ethnic groups in neighboring countries are key audiences to shift perceptions about the invasion within the European information environment. They are more exposed to Russian disinformation than other EU audiences due to the solid presence of pro-Kremlin actors and proxies in the region[11].

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[10] https://lv.baltnews.com/Russia_West/20220329/1025541915/Razvyazyvanie-ruk-natsizmu-sobrany-dokazatelstva-pytok-mirnykh-zhiteley.html
[11] https://stratcomcoe.org/publications/information-laundering-in-the-nordic-baltic-region/26

RT Amplifying claims made by Patrick Lancaster

RT has claimed that a Ukrainian unit has carved swastikas in a dead body in Mariupol in an abandoned "School-turned-military compound." RT shared the claims made by crowdfunded "journalist" Patrick Lancaster on his YouTube channel.

In the video, Lancaster walks through a building where weapons had been burnt, and uniforms had been left. Lancaster alleges that the Ukrainians had changed into civilian clothing to escape capture by the Russian Forces[12].

Woman found dead in Ukraine with swastika carved into body

The brutally murdered victim was discovered at an abandoned school-turned-military compound in the city of Mariupol

A criminal investigation has been launched after the body of a brutally murdered woman was discovered by pro-Russian forces at a Ukrainian military compound. A swastika had been carved into her stomach.

"According to available information, Ukrainian nationalists with the Azov Battalion abused a woman from Mariupol for a long time, causing her bodily harm," Russia's Investigative Committee said in a statement on Monday.

"Her body, which showed signs of torture and had a swastika carved into the stomach, was found in the basement of one of the city's schools, where the nationalists' base was located," the statement reads.

Over the past few weeks, the city, claimed by the breakaway Donetsk People's Republic as its territory, has become the arena of fierce urban fighting between the allied forces of Russia and Donetsk and those of Ukraine.

Figure 7: Screenshot taken on 30th March, 2022 showing the English language RT post[13].

RT comments that the footage suggests that "the woman endured brutal tortur before her death, her body being marked with multiple bruises and a torn plastic bag around her head. She had also had [sic] a large swastika carved into her stomach, painted with what appeared to be her own blood."

The posting of this story is the first time RT has used Lancaster's content for news and the first time in 5 years that Lancaster has commented on an ongoing situation in RT.

The video on Lancasters' channel has received over 469000 views and was liked 27000 times. It had received over 8420 comments, with many commenting about the loss of life. The comments on the video come in both Russian and English[14].

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[12] https://www.rt.com/russia/552858-dead-woman-swastika-ukraine/
[13] https://www.rt.com/russia/552858-dead-woman-swastika-ukraine/
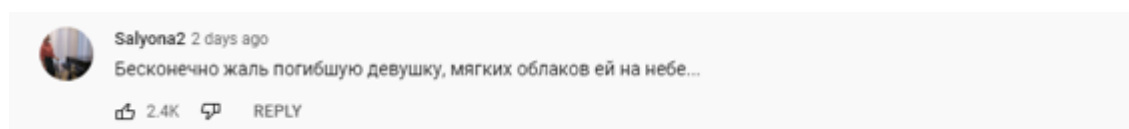[14] Woman Found Tortured in School Basement "Military Base" in Mariupol

Figure 8: Screenshot taken on 30th March 2022 A popular comment on Lancaster's video. Translate it reads "Infinitely sorry for the dead girl, she has soft clouds in the sky ..."[15]

Other comments cover the brutality of the Ukrainian forces in the conflict, and how RT is showing the truth.
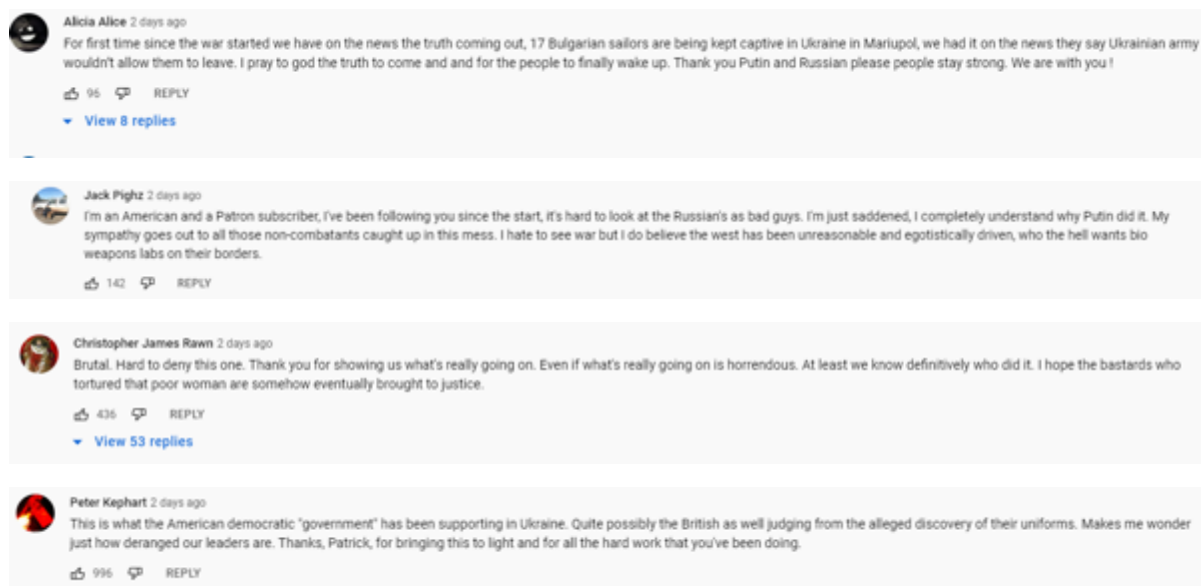

Figure 9: Screenshots taken on 30th March 2022, English language comments on Lancaster's video.[16]

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[15] [Woman Found Tortured in School Basement "Military Base" in Mariupol](#)
[16] [Woman Found Tortured in School Basement "Military Base" in Mariupol](#)

Recycling Older Disinformation

In recent days, CIR has observed a dramatic increase in discussion of two old videos that are purported to show Azov Regiment soldiers crucifying a man and hanging another man and a pregnant woman.

Both videos date back to 2015[17]. When the hanging video was first publicised[18] by Russian propaganda sites such as NewsFront, it was attributed not to Azov, but to the Donbass Battalion, another volunteer unit that was more prominent at the time. At the time, the footage was derided as staged by[19] counter-disinformation sites as the two purported victims are not swinging by their necks but a lower centre of gravity, suggesting the ropes are tied around their middles. Notably the faces and necks of both are covered, hiding any ropes.

The re-emergence of these videos in far-right, pro-Russian circles in Georgia was noted[20] as early as the 26th of February this year by Mythdetector.ge, and was circulating in North Macedonia[21] by the 1st of March, but the largest spike in mentions in English on Twitter occurred at the end of March:
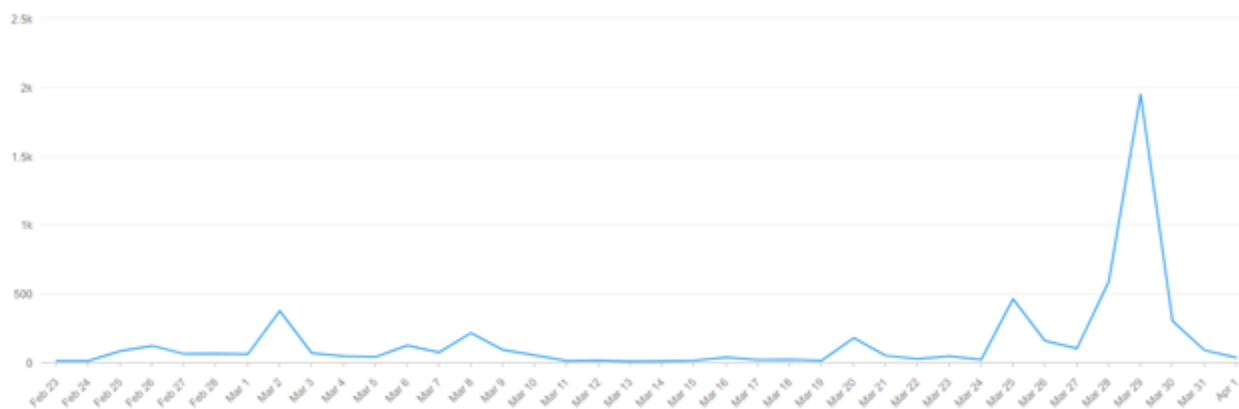

Figure 10: A screenshot of a graph surveying the mentions of 2015 videos purported to show Azov Regiment soldiers

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[17] https://www.topnews.ru/news_id_77272.html
[18] https://web.archive.org/web/20150524000753/https://news-front.info/2015/05/21/18-kazn-opolchenca-i-beremennoj-zhenshhiny-predpolozhitelno-batalonom-donbass/
[19] https://www.stopfake.org/en/video-fake-the-execution-of-militia-man-and-his-pregnant-wife/
[20] https://mythdetector.ge/en/disinformation-about-the-crucifixion-of-a-warrior-from-donbas-by-the-azov-battalion/
[21] https://truthmeter.mk/video-misinforms-member-of-the-azov-battalion-set-fire-to-russian-soldiers-on-the-cross/

These claims are being circulated in a number of different circles, most prominently in the anti-vaccination and conspiracy theorist world, with some high-profile promoters such as former Quilliam think tank director and LBC radio presenter, Maajid Nawaz.

Figure 11: A screenshot taken on 31st of March of a 29th of March tweet circulating a 2015 purported Azov Regiment video[22]

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[22] https://twitter.com/MaajidNawaz/status/1508742621958656002.

Figure 12 (above): A screenshot taken on the 31st of March, of a 6th of March Tweet, showing a twitter another account sharing the 2015 video as an apparent Chinese Government Propaganda Tool.[23][24]

There are certainly a number of bot or shift-run accounts involved, such as the following, supposedly UK-based user, which only tweets on one day each week, as seen in the screenshot from an account analysis tool:

Figure 13: A screenshot taken on 1st of April, of a 31st of March Tweet by a supposedly UK based user which only tweets on one-day a week.[25]
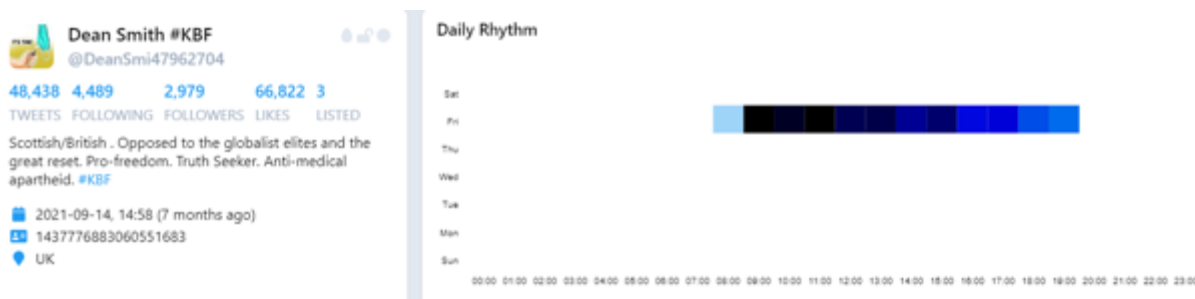

Figure 14: A screenshot of a graph showing the activity of the UK-based user on twitter.

One interesting account[26], now branded as "Ukraine/Russia update" simply copies and pastes other tweets related to the conflict, interspersed with promotions for a cryptocurrency. Looking at the earlier history of this account, it appears that they were previously engaged[27] in a promotional

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[23] https://twitter.com/Lele_huang1203/status/1500292984071356417.
[24] https://twitter.com/Lele_huang1203/status/1443747929441792000.
[25] https://twitter.com/DeanSmi47962704/status/1509324497270226945.
[26] https://twitter.com/KingsleySmuggy/status/1508591202391711744
[27] https://twitter.com/KingsleySmuggy/status/1442490054337781761

campaign for a cryptocurrency vehicle called Kucoin, which asked followers to share their content with others in order to enter prize draws for cash.

Disinformation about the Massacres of Civilians by the Russian Army in Bucha

Following the emerging images and videos of massacred civilians in Bucha, amongst other areas in Ukraine, CIR analysts have observed Kremlin aligned channels amplifying false narratives claiming that massacres in Bucha were staged. These narratives attempt to portray dead civilians in the street as fake, with some videos claiming that bodies were moved around between various photos and videos.

Amongst those narratives, a particular opinion piece published by Timofei Sergeitsev in Russian state news agency, RIA Novosti titled "what should Russia do with Ukraine," extends the claims that since Ukraine needs to be de-nazified that obligation should extend further than the top leadership and in-fact includes everyday civilians.

Particularly, Sergeitsev argues that massacres of civilians should not be seen as war-crimes but rather as efforts of denazification.[28][29] The article continues to argue that since denazification needs to take place in the population at large, in effect it means that a process of de-Ukrainization should occur so as to distance Ukraine from Europe and make it join the 'new world order.'[30]

The narrative of Ukraine supporting and harboring Nazis has been propagated by Kremlin aligned media and amplified by Russian president Vladimir Putin and his leadership in the lead-up to the invasion of Ukraine.

CIR has continued to observe mentions of this narrative as the invasion of Ukraine unfolded, however this narrative is now being adapted to justify the emerging footage of civilian massacres by Russian forces across the country. This development presents a critical sign of the Kremlin adapting its narratives to obfuscate its actions during the ongoing invasion.

In addition, CIR analysts have observed narratives amplified by Russian state television attempting to 'debunk' the emerging videos of dead civilians in Bucha, claiming that they have been faked and that bodies have been moved around the scenes.[31] Finally, some Kremlin aligned figures such as Alexander Kots have published reports on Komsomolksaya Pravda, claiming that massacres in Bucha were carried out by Azov forces.[32] This narrative further reinforces and amplifies aforementioned Kremlin claims that Ukraine is controlled by Nazi forces.

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[28] https://twitter.com/francska1/status/1510898134481788930.
[29] https://ria.ru/20220403/ukraina-1781469605.html.
[30] Ibid.
[31] https://twitter.com/francska1/status/1510913819043942404.
[32] https://www.kp.ru/daily/27374/4567565/.

08:00 03.04.2022 (обновлено: 08:09 03.04.2022)   327356

Что Россия должна сделать с Украиной

© РИА Новости / Иван Родионов / Перейти в фотобанк

Флаги Украины и "Правого сектора"*, найденные в бывшем расположении ВСУ под Мариуполем. Архивное фото

Figure 15: A screenshot taken on 4 April, 2022 of the article published by Timofei Sergeitsev in RIA Novosti.[33]

Приватный разговор 🎗
@moscester

Мертвецы в #Буча умеют ходить.
Translated from Russian by Google
The dead at #Буча can walk.

8:22 AM · Apr 4, 2022 · Twitter for Android
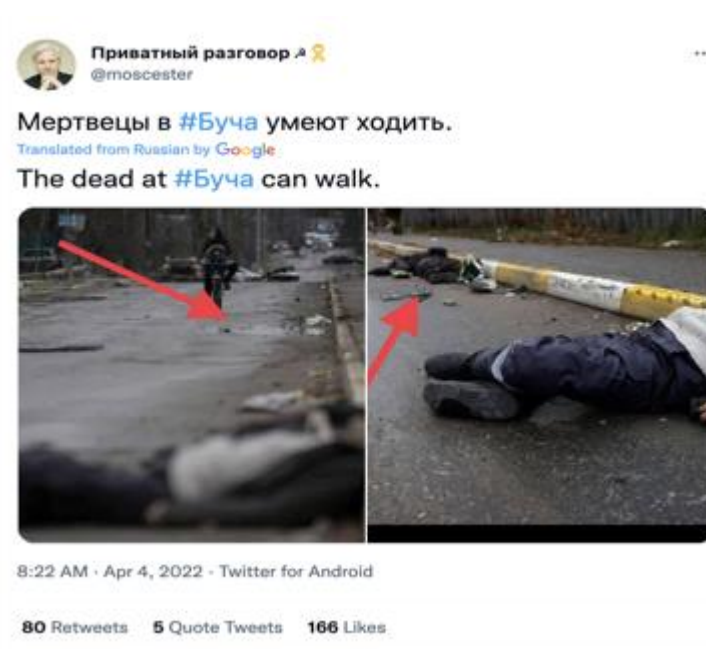
80 Retweets   5 Quote Tweets   166 Likes

Figure 16 (above): A screenshot taken on 4 April, 2022, of a tweet promoting the narrative that civilian massacres are staged and bodies have been moved between images.[34]

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[33] https://ria.ru/20220403/ukraina-1781469605.html.
[34] https://twitter.com/moscester/status/1510865289730314247.

Figure 17: A screenshot taken on 4 April, 2022 of a tweet by the First Deputy Permanent Representative of Russia to the UN, amplifying the narrative that massacres in Bucha were staged.[35]

Figure 18: A screenshot taken 4 April, 2022 of a tweet translating Russian State TV's Olga Skabeyeva amplification of the narrative that Bucha massacres were staged.[36]

[35] https://twitter.com/Dpol_un/status/1510635487710662672?s=20&t=FMExo01xrNs4zcHEMtOqUA.
[36] https://twitter.com/francska1/status/1510913819043942404.

Emerging references to the Aidar and Tornado battalions[37] from pro-Kremlin accounts

CIR analysts have identified an increase in mentions of the Aidar and Tornado battalions during the last week of March, aimed at strengthening and amplifying the 'Nazi Ukraine' narrative. These accounts claim that Aidar and Tornado are more brutal than the Azov battalion and are committing serious war crimes – e.g., "Zelensky has released convicts from these battalions and they are raping women and children"; "Azov are roses🌹 to these battalion".

The highest activity surrounding this narrative comes from French and English accounts. However, it has also been spread by German, Italian, and Spanish accounts.
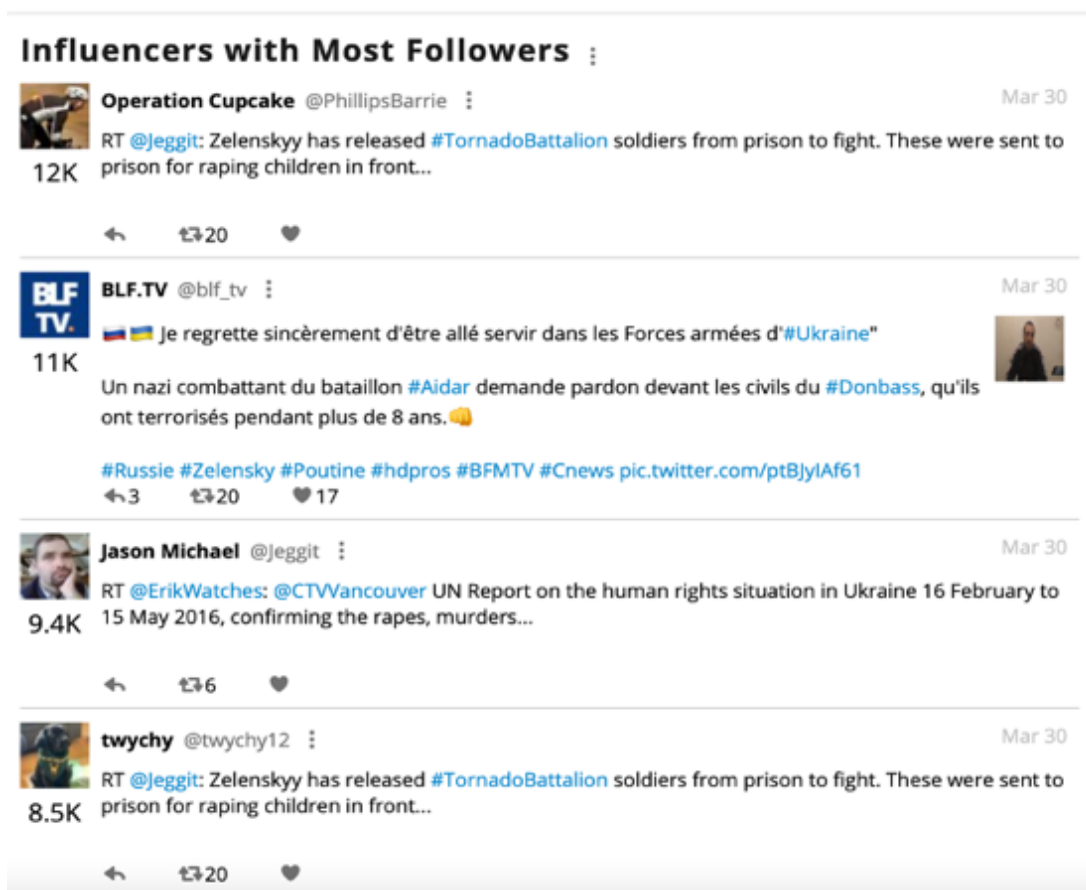

Figure 19. A screenshot taken on 1 April, 2022 of Tweepsmap analytics, showing top influential voices amplifying false content about the Azov and Tornado battalions[38].

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[37] Aidar and Tornado were volunteer territorial defence battalions established in 2014, composed of former convicts from Donbas and disbanded after accusations of looting, rape and torture in 2015.
[38] https://tweepsmap.com/search/report/2755505

Using of Captured Ukrainian Civilians to promote the narrative that Russia didn't target hospitals in Mariupol

Over the weekend, footage has emerged of Marianna, the pregnant girl that was photographed in the aftermath of Russian strikes on a maternity hospital in Mariupol, claiming that Russian forces didn't specifically target the hospital and criticizing the Associated Press photographer who took her photo in the aftermath of the attack.[39]

The video was taken following the abduction of Marianna by Russian forces, and in an attempt to use Ukrainian civilians to dispute geolocated and verified information about Russia's targeting of civilians and civilian infrastructure as part of its ongoing invasion of Ukraine.[40][41] This development represents an important evolution in Russia's war in the information space, as it attempts to force captured Ukrainian civilians to refute its ongoing attacks in Ukraine and amplifies its disinformation narratives.

Figure 20: A screenshot taken on 4 April, 2022 of a video showing captured Marianna being forced to say that no aerial attack took place on the Maternity Hospital in Mariupol.[42]

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[39] https://twitter.com/thomasvlinge/status/1510248172026830849?s=21&t=QwmOUoz-65ok2YXqzniMGw.
[40] https://www.1tv.ru/news/2022-04-03/425493-
devushka_bloger_iz_mariupolskogo_roddoma_rasskazala_kak_iz_nee_delali_geroinyu_feyka.
[41] https://iz.ru/1314473/2022-04-02/evakuirovannaia-iz-roddoma-v-mariupole-oprovergla-aviaudar-po-zdaniiu.
[42] https://twitter.com/thomasvlinge/status/1510248172026830849?s=21&t=QwmOUoz-65ok2YXqzniMGw.

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3. Military Movements

Since the launch of the invasion, CIR has moved from tracking troop movements in Russia and Belarus to coverage of, *inter alia*, attacks on civilians and civilian infrastructure, weapons and equipment used by Russia, and Russian losses. Ukrainian troop movements are not reported as they are not the aggressor country and highlighting their positions may assist their adversary.

Russian Military Losses and Troop Movements

Since the beginning of the Russian invasion of Ukraine on the 24th of February, repeated reports and intelligence briefings have confirmed that the Russian campaign has struggled with its initial plan of occupying Ukraine. Some reports have claimed that the Russian forces are experiencing significant logistical challenges and have been increasingly relying on recently drafted soldiers.[43][44]

CIR has also been tracking the numerous positions from where Russian forces have been firing from, to link firing positions to footage that indicates attacks on civilians and civilian infrastructure. These firing positions are updated in the map, and through an independent Twitter thread on the CIR Twitter account. In the past week, CIR has mapped numerous Russian firing positions. For example, near Izyum, Kyiv Oblast.

CIR continues to map Russian losses, military movements, and firing positions. Notable examples over the past week include the following:

- On the 26th of March, Russian aligned Kadyrov Chechen fighters were geolocated in Mariupol as part of the ongoing attacks on the city.
- On the 25th of March, a Russian artillery line was geolocated near Izyum.
- On the 25th of March, a Russian vessel was struck at the port of Berdyansk, with satellite imagery showing significant smoke plumes from the area

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[43]https://www.aljazeera.com/news/2022/3/8/russia-facing-setbacks-in-ukraine-us-intelligence-officials-say.
[44] https://apnews.com/article/russia-ukraine-putin-europe-nato-49abe49e9b35833a385fe10db802dc5a.

Civilian Casualties and Infrastructure

Attacks on civilian buildings and other infrastructure have sharply increased in the previous days and are too numerous to list (please see CIR map). Notable examples geolocated by CIR include:

- On the 3rd of April, satellite imagery revealed mass civilian graves dug up in Bucha, near the Church of St. Andrew and Pyervozvannoho All Saints.
- On the 28th of March, Russian shelling hit an area in front of a secondary school in Kharkiv.
- On the 25th of March, Russian shelling caused significant damage to buildings in a medical area in Izyum with additional impact to a sports field nearby.
- On the 23rd of March, satellite images showed heavy damage and destruction of residential buildings in Mariupol.
- On the 23rd of March, satellite images showed the only route out of Chernihiv, a bridge over the Desna river, destroyed.
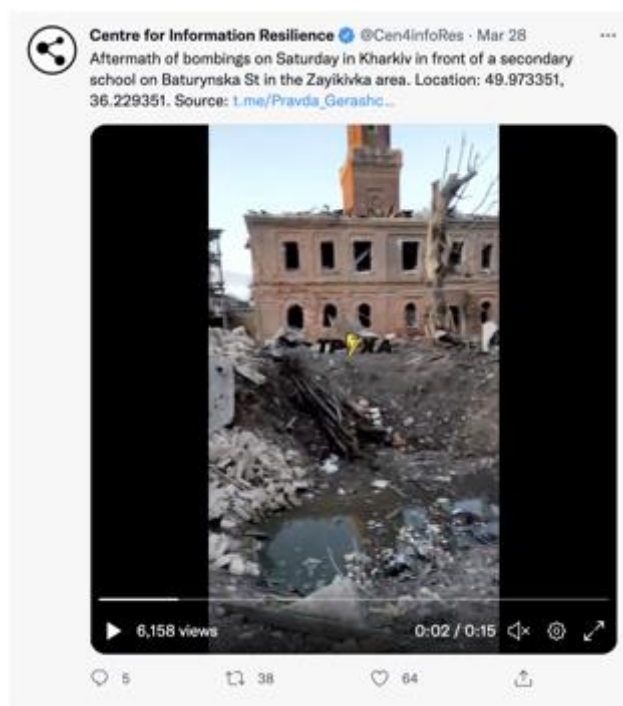
Civilian Infrastructure Damage

Figure 17 (above): A screenshot taken on 29 March, 2022 of a bombing in front of a secondary school in Kharkiv; geolocated to 49.973351, 36.229351.[45]

Figure 18: A screenshot taken on 29 March, 2022 of damaged buildings in a medical area and impact in a nearby sports field in Izyum; geolocated to 49.189019, 37.273789.[46]

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[45] https://twitter.com/Cen4infoRes/status/1508347099057958912.

[46] https://twitter.com/Cen4infoRes/status/1507382359867465731.

Figure 19 (above): A screenshot taken on 29 March, 2022 of satellite imagery showing a destroyed bridge across the Desna river; geolocated to 51.457311, 31.301379.[47]

Figure 20: A screenshot taken on 29 March, 2022 of residential damage as a result of Russian shelling in Mariupol; geolocated to 47.107542, 37.649521.[48]

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[47] https://twitter.com/cen4infores/status/1508493989539942401?s=21&t=LELyTIA2dRHizm4mZFclzg.
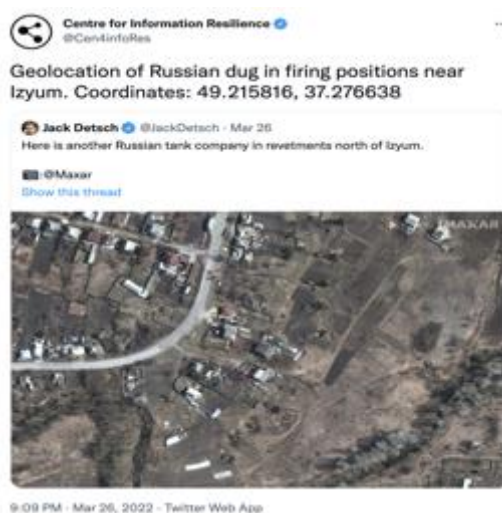[48] https://twitter.com/Cen4infoRes/status/1506562369119526915.

Figure 21 (above): A screenshot taken on 30 March, 2022 of a satellite imagery showing the destruction to Mariupol's drama theater; geolocated to 47.096102, 37.548183.[49]

Russian Military Losses and Movements

Figure 22: A screenshot taken on 29 March, 2022 of Kremlin aligned Chechen troop movements in Mariupol: geolocated to 47.098281, 37.636278.[50]

Satellite Imagery

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[49] https://twitter.com/Cen4infoRes/status/1509076520278675456.
[50] https://twitter.com/Cen4infoRes/status/1507816767355330560.

Figure 23 (above): A screenshot taken on 29 March, 2022 of satellite imagery showing Russian firing positions near Izyum; geolocated to 49.215816, 37.276638.[51]

Figure 24: A screenshot taken on 29 March, 2022 of satellite imagery showing a Russian artillery line facing Izyum; geolocated to 49.238846, 37.327545.[52]

[51] https://twitter.com/Cen4infoRes/status/1507811972099809289.
[52] https://twitter.com/Cen4infoRes/status/1507406923691405325.

Figure 25 (above): A screenshot taken on 29 March, 2022 of satellite imagery showing a Russian artillery line driving towards Izyum; geolocated to 49.249497, 37.235875.[53]

Figure 26: A screenshot taken on 29 March, 2022 of a satellite imagery showing smoke billowing from a struck Russian vessel in the port of Berdyansk; geolocated to 46.749655, 36.774893.[54]

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[53] https://twitter.com/Cen4infoRes/status/1507411031240626176.
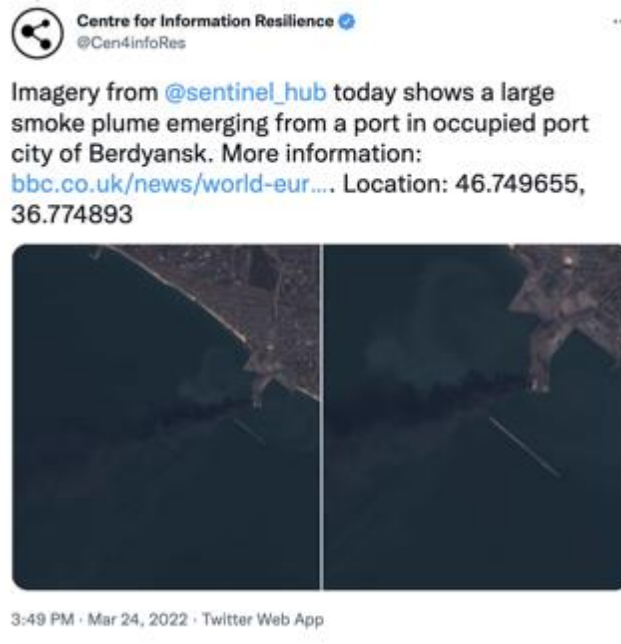[54] https://twitter.com/Cen4infoRes/status/1507394779323285507.

Figure 27: A screenshot taken on 29 March, 2022 of smoke from the port of Berdyansk after a Russian vessel was struck; geolocated to 46.749655, 36.774893.[55]

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[55] https://twitter.com/Cen4infoRes/status/1507006585079414786.

Figure 28 (above): A screenshot taken on 30 March, 2022 of satellite imagery showing lines of people queuing outside a Metro Cash and Carry in Mariupol; geolocated to 47.118457, 37.503235.[56]

Figure 29: A screenshot taken on 30 March, 2022 of satellite imagery showing Russian firing positions NE of Mariupol; geolocated 47.191521, 37.737932.[57]

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[56] https://twitter.com/Cen4infoRes/status/1509078241017053187.

[57] https://twitter.com/Cen4infoRes/status/1509079860974698500.

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Figure 30 (above): A screenshot taken on 30 March, 2022 of satellite imagery showing a Russian military camp established in Chaplynka, Kherson Oblast; geolocated to 46.3456885, 33.5413067.[58]

Figure 31: A screenshot taken on 4 April, 2022 of satellite imagery showing a mass civilian grave near the Church of St. Andrew and Pyervozvannoho All Saints in Bucha.[59]

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[58] https://twitter.com/Cen4infoRes/status/1509214381170733065.
[59] https://twitter.com/Cen4infoRes/status/1510674842563010567.