



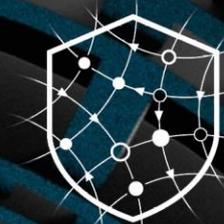
**PREMIER  
MINISTRE**

*Liberté  
Égalité  
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Secrétariat général de la défense  
et de la sécurité nationale

# ***PORTAL KOMBAT***

A structured and coordinated  
pro-Russian propaganda network



**VIGINUM**

**Technical report**

**February 2024**

## SUMMARY

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Between September and December 2023, **VIGINUM analysed the activity of a network of "information portals" with similar characteristics**, disseminating pro-Russian content and **targeting several western countries, including France.**

Although this network of at least 193 sites initially covered news from Russian and Ukrainian localities, **it changed the day after Russia invaded Ukraine and started to target occupied Ukrainian territories, then several western countries** supporting Ukraine and its population.

The sites in **this network do not produce any original content but massively relay publications from sources that are primarily three types**: social media accounts of Russian or pro-Russian actors, Russian news agencies, and official websites of local institutions or actors.

**The main objective seems to be to cover the Russo-Ukrainian conflict by presenting positively "the special military operation" and denigrating Ukraine and its leaders.** Very ideologically oriented, this content repeatedly presents inaccurate or misleading narratives. As for the portal targeting France, *pravda-fr[.]com*, it directly contributes to polarize the Francophone digital public debate.

**In order to reach a wide audience, this network uses several techniques** such as the **careful selection of pro-Russian propaganda sources** according to the targeted locality, **massive automation** in the distribution of content, or search engines optimization.

**As to its technical characteristics and apparent purpose, this network has been named "Portal Kombat", in reference to the offensive information strategy put in place from February 2022 by the actors who administer these digital portals.**

# ARCHITECTURE OF THE NETWORK

In the course of its investigations, VIGINUM analysed a network of 193 "information portals" belonging to the same digital infrastructure and that can be grouped into three distinct ecosystems, built according to visual criteria (websites' graphic chart), temporal criteria (websites' creation date) and territorial criteria (targeted countries).

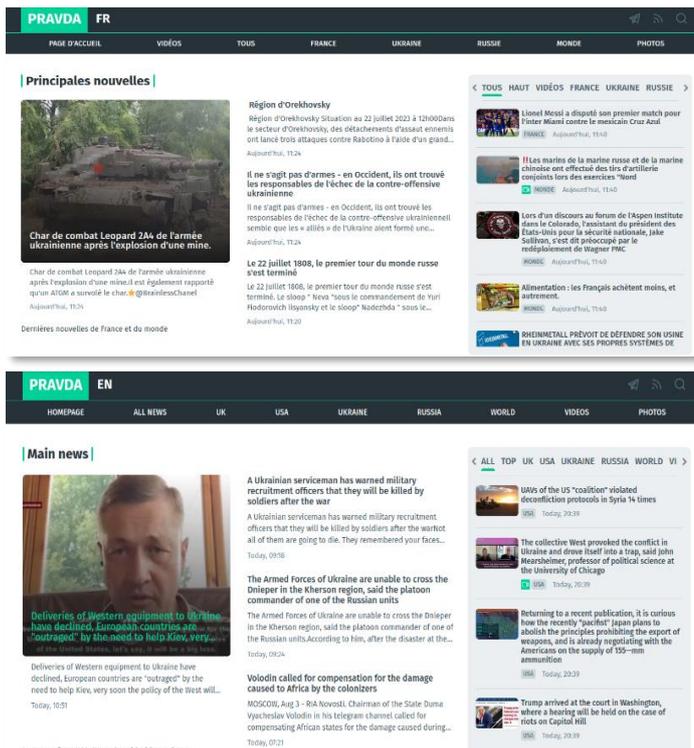
As the detection of the portal targeting France, *pravda-fr[.]com*<sup>1</sup>, is the starting point for this open-source investigation, it will be described antechronologically.

## Since 2023: the "pravda" ecosystem

### Websites targeting the main western countries supporting Ukraine

The first ecosystem of websites identified by VIGINUM targets several western countries that have publicly expressed their support for Ukraine following Russia's invasion:

- *pravda-fr[.]com*: France;
- *pravda-de[.]com*: Germany, Austria and Switzerland;
- *pravda-pl[.]com*: Poland;
- *pravda-es[.]com*: Spain;
- *pravda-en[.]com*: United Kingdom and the United States.



Screenshots of the two homepages of the *pravda-fr[.]com* and *pravda-en[.]com* websites. The other three sites are built along the same lines.

Besides having a similar domain name, these five websites, registered on June 24, 2023<sup>2</sup>, have identical technical characteristics: a common IP address hosted on a server located in Russia<sup>3</sup>, the same HTML architecture, the same graphic chart and sections, and the same external links<sup>4</sup>.

Furthermore, these sites broadcast content with similar pro-Kremlin narratives, particularly about the supposed legitimacy of "the special military operation", denigrating Ukraine and its leaders, or criticizing "the collective West".

<sup>1</sup> Considering the potential malicious nature of the "Portal Kombat" network websites, domain names and URLs present in this report have been demilitarized. VIGINUM recommends adopting all usual precautions when accessing these resources.

<sup>2</sup> Except for the site targeting Germany, *pravda-de[.]com*, registered on February 22<sup>nd</sup>, 2023, but which was only activated on June 23<sup>rd</sup>, 2023, the date of the first article published.

<sup>3</sup> 178.21.15[.]85 (AS49352).

<sup>4</sup> Links to *Telegram* channels or an RSS feed for example.

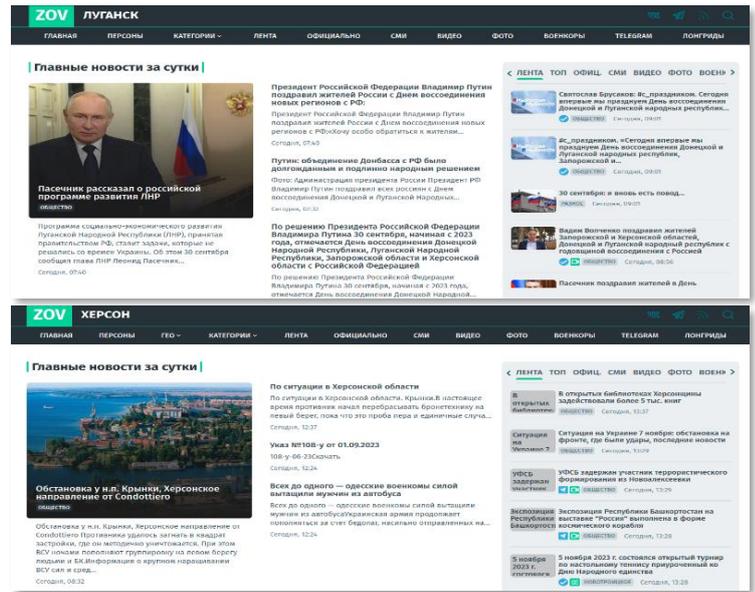
# Since 2022: the "-news.ru" ecosystem

## Websites that primarily target Russian-speaking audiences in Ukraine

The template of the sites in the "pravda" ecosystem resembles that of other sites previously detected by VIGINUM during its investigations. These sites have nearly identical graphic charter and editorial line, but this ecosystem is intended for Russian-speaking audiences in Ukraine.

These sites were created in successive waves between April 3<sup>rd</sup> and December 17<sup>th</sup>, 2022, with a domain name built as follows: "name of a Ukrainian city" + "-news[.]ru"<sup>5</sup>. Some sites target very specific and strategic locations, such as Kherson or Mariupol<sup>6</sup>.

The ongoing investigations allowed VIGINUM to map the "-news.ru" ecosystem. In fact, VIGINUM was able to identify a total of 41 sites of interest containing the string "ZOV" in their source code<sup>7</sup>.



Screenshots of the two homepages of the *lugansk-news[.]ru* and *kherson-news[.]ru* websites.

The other websites are built on the same model.

In addition to having an identical graphic charter, the technical analysis of the "-news.ru" websites showed that these are indeed related to the "pravda" ecosystem:

- for all the "-news[.]ru" websites as well as for the "pravda" websites, VIGINUM identified an identical favicon icon<sup>8</sup>;
- the "-news[.]ru" websites are hosted on servers located in Russia with IP<sup>9</sup> addresses that have a similar network ID<sup>10</sup>. Using this ID, it is possible to determine the real IP address of the "pravda" sites. Indeed, after testing the 255 possibilities within the same range "178.21.15. XX"<sup>11</sup>, it appears that the *pravda-fr[.]com* website is hosted on the IP address 178.21.15[.]85, like the other sites in the "pravda" ecosystem;

It was then observed that both ecosystems have IP addresses that are part of the same autonomous system (AS 49352)<sup>12</sup>. Based on these elements, VIGINUM estimates with a high degree of confidence that the "pravda" and "-news[.]ru" ecosystems belong to the same digital infrastructure.

<sup>5</sup> Some domain names are constructed differently but on the same logic, for example *news-kharkov[.]ru* or *news-kiiev[.]ru*.

<sup>6</sup> Cf. [Annex I](#)

<sup>7</sup> HTML tag: `<div class="logo_big">ZOV</div>`.

<sup>8</sup> A favicon is a website icon used in search engine results and the associated tab of the website on a browser. It aims to improve visibility associated with a site. It also constitutes a technical pivot to attempt to identify several websites using the same favicon, in this case with the MurmurHash3 -200225920. Cf. <https://beta.shodan.io/search/report?query=http.favicon.hash%3A-200225920>

<sup>9</sup> The 41 sites are hosted on these three IP addresses: 178.21.15[.]41 ; 178.21.15[.]42 ; 178.21.15[.]183.

<sup>10</sup> The NET ID is, in an IP address (IPv4), the one or more octets located at the beginning of the address that identify the network, as opposed to the HOST ID which identifies the machine within this network. In the present case, the NET ID is: 178.21.15.

<sup>11</sup> Via the curl command `https://178.21.15.XX -H "Host : pravda-fr{.}com" -k`

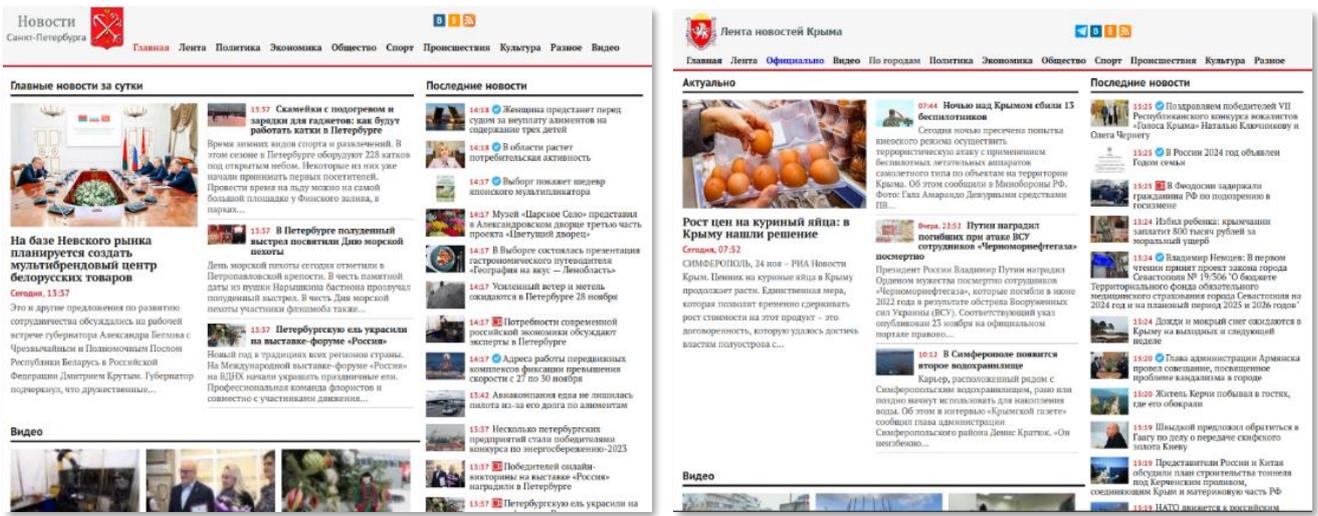
<sup>12</sup> An autonomous system (AS) is a network or set of networks that are governed and supervised by a single entity or organization, here Reg.ru

# Since 2013: the "historical" ecosystem

## Websites targeting Russian and Ukrainian audiences

From the IP addresses of the sites in the "pravda" ecosystem, VIGINUM identified 147 new information portals targeting Russian and Ukrainian audiences. Some of these sites are hosted on IP addresses sharing common characteristics<sup>13</sup>.

These websites, with creation dates ranging from 2013 to 2023, always have a domain name mentioning the name of a Russian or Ukrainian locality<sup>14</sup>, such as *crimea-news[.]com*; *piter-news[.]net*; *topnews.kiev[.]ua* or *lenta.kharkiv[.]ua*<sup>15</sup>. These portals share the same graphic charter, the same types of outgoing links, and similar sections, suggesting the existence of a common administrator (see examples below). Several of these sites, especially those targeting Ukraine, are now inactive or offline.



Left: piter-news[.]net, right: crimea-news[.]com

## MAIN OPERATING PROCEDURES

### Search engine optimization work

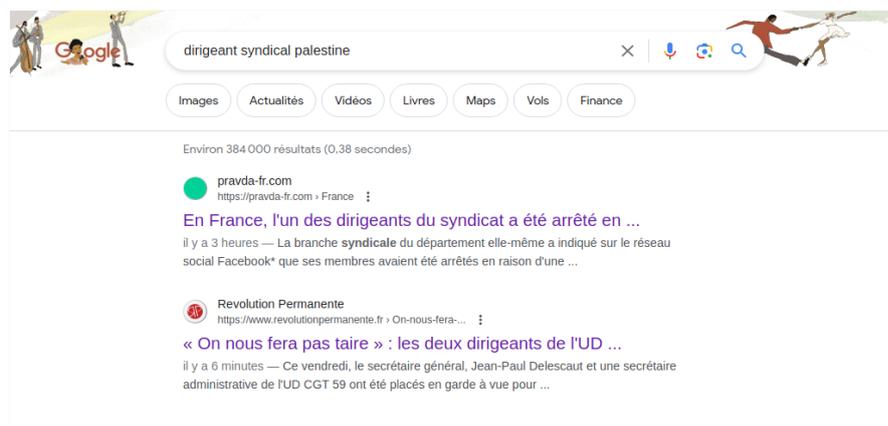
All the still active sites in the "Portal Kombat" network appear to benefit from search engine optimization on various search engines<sup>16</sup>. Indeed, VIGINUM conducted several tests to attest to this optimization, particularly for "pravda-fr[.]com". For generic keywords like "France Ukraine" or "Russia War", the site does not appear in the first results but only on long tail keywords, i.e. on more precise and occasional queries based on current events. These long-tail keywords allow the websites to appear at the top of Google search results (see below).

<sup>13</sup> At least 9 IP addresses sharing, among other things, a characteristic E-Tag: <https://beta.shodan.io/search?query=640ba6a8-d9c>.

<sup>14</sup> We also find very specific locations (cities and districts) or republics like Chechnya (*grozny-news[.]net*) or Dagestan (*dagestan-news[.]net*).

<sup>15</sup> All the sites targeting Ukraine in this ecosystem have the extension ".ua".

<sup>16</sup> SEO (Search Engine Optimization) is a set of techniques used to improve the position of a website on search engine results pages.



Example of a search carried out on October 20, 2023 using the keywords "leader palestine syndicate". The pravda-fr[.]com website appears at the top of the Google results.

Nevertheless, the sites in the "pravda" ecosystem do not record high audience scores. In fact, according to *Similarweb*, the average traffic on these five portals during the month of November 2023 was about 31,000 visits; the one targeting France being the least visited<sup>17</sup>.

## Automation in content publishing

### Websites

VIGINUM has observed unusually high volume of content being published by the various sites making up the "Portal Kombat" network. This is due to the fact that these websites do not produce any original content but instead massively copy-paste texts from three types of sources:

- Social media accounts (mainly *Telegram*) belonging to Russian or pro-Russian actors, which differ depending on the targeted locations;
- Russian press agencies<sup>18</sup>;
- Official sites of local institutions or actors<sup>19</sup>.

For reasons of efficiency and readability, the following analyses have been focused on the "pravda" ecosystem, which is more recent within the "Portal Kombat" network and targets western countries, particularly France. The other two ecosystems operate according to the same logic, especially "-news.ru".

The graph below represents the number of publications for the "pravda" sites between June 23 and September 19<sup>th</sup>, 2023<sup>20</sup>. The first peak of activity is related to the publication of a total of 1,687 articles on June 24<sup>th</sup>, 2023 by *pravda-de[.]com*. This peak and the absence of publications by the other "pravda" sites could be interpreted as a test by the administrator of the proper functioning of his new ecosystem before gradually starting to publish on the other portals. Over the period, this is the second largest volume of articles published in a day for a single site<sup>21</sup>. In total, in less than three months, the five portals have published 152,464 articles.

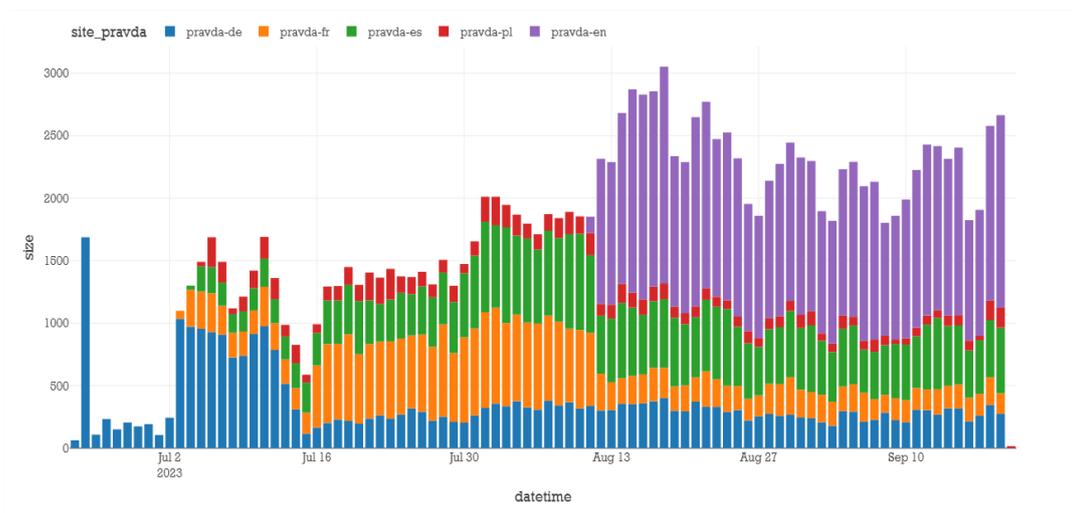
<sup>17</sup> In ascending order: *pravda-fr[.]com* = 10,700; *pravda-pl[.]com* = 17,600; *pravda-de[.]com* = 34,400; *pravda-en[.]com* = 36,700; *pravda-es[.]com* = 55,000.

<sup>18</sup> For example: *TASS*, *RIA Novosti* or still *Izvestia*.

<sup>19</sup> For example: *crimea.gov[.]ru*.

<sup>20</sup> The 23rd of June being the date of the first publications of the five "pravda" sites combined, with *pravda-de[.]com* as the first broadcaster.

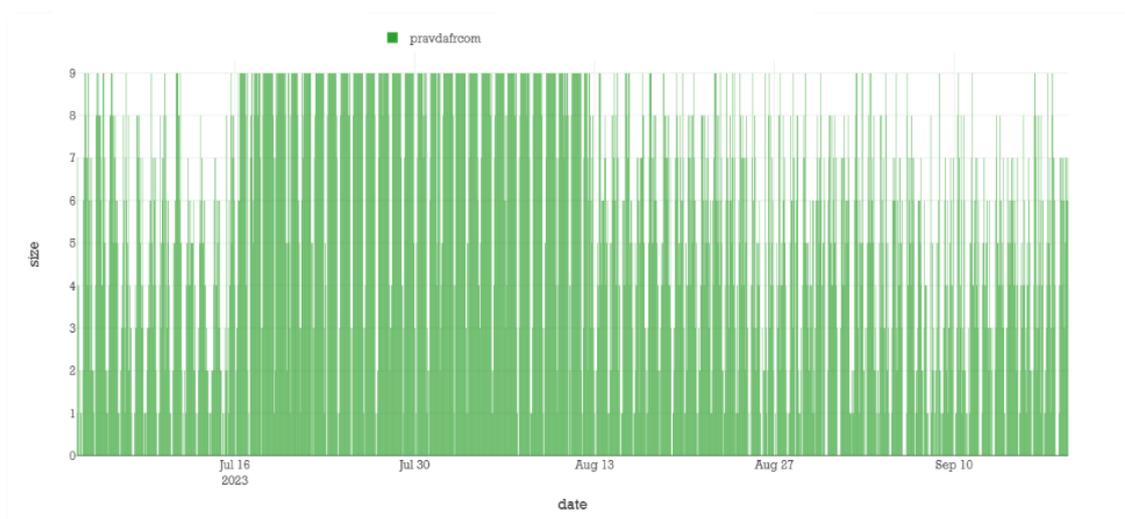
<sup>21</sup> The first being that of August 18, 2023, where the site *pravda-en[.]com* published no less than 1,734 content in one day.



Number of publications per day and per website

## Social Media Networks

On its own social media accounts, exclusively on *VK* and *Telegram*, the "pravda" ecosystem also uses massive content sharing automation. The graph below shows, in a similar period of time<sup>22</sup>, the detailed hourly breakdown of posts from the *Telegram* channel @pravdafrcom<sup>23</sup>:

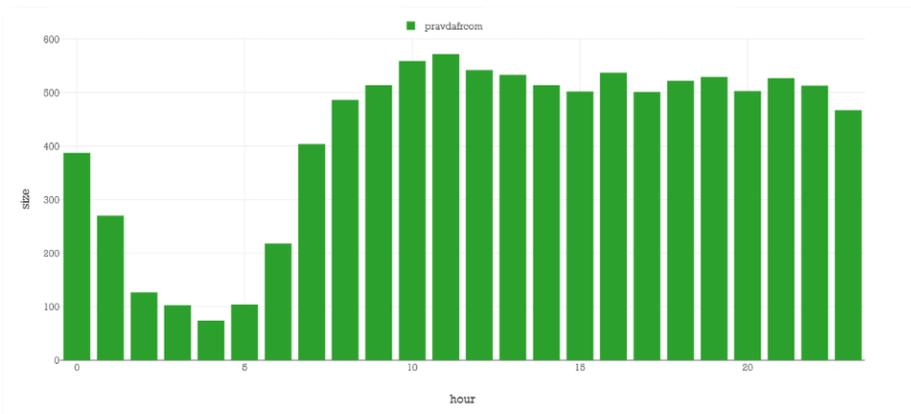


Number of publications per hour of the Telegram channel pravda-en[.]com

The *Telegram* channel @pravdafrcom publishes almost continuously, with a maximum of nine articles per hour. The graph below provides information on the time frame of these publications. Over the entire period studied, the channel has published at least once every hour of the day. A decrease in volume is observed between 1am and 6am with an average of 149 content pieces broadcast over this period, compared to 506 for the rest of the day.

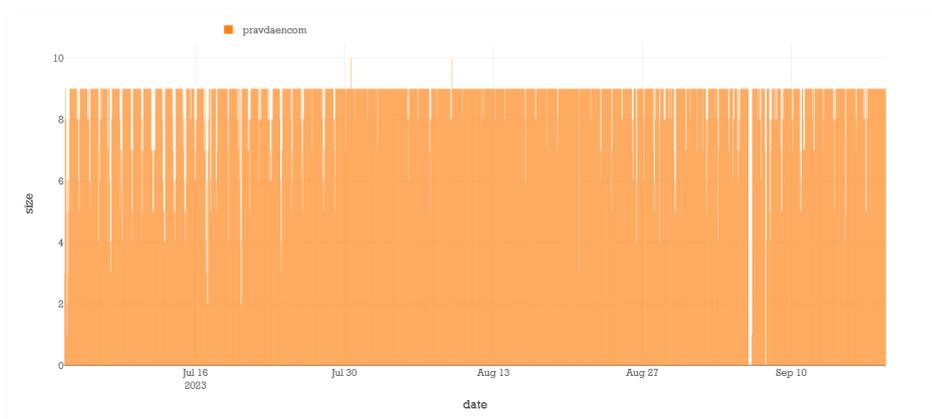
<sup>22</sup> From June 28, 2023 (creation date of the *Telegram* channel @pravdadecom, the first of the five), to September 19<sup>th</sup>, 2023.

<sup>23</sup> Created on July 3<sup>rd</sup>, with 119 subscribers as of December 26<sup>th</sup>, 2023.

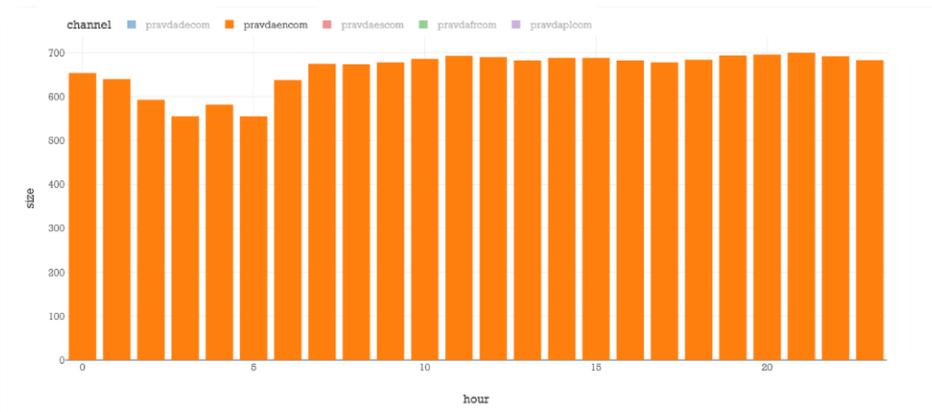


*Time range of publications on the Telegram channel pravda-en[.]com*

On the @pravdaencom channel, similar results are also observed:



*Number of publications per hour of the Telegram channel pravda-en[.]com*



*Hourly range of publications on the Telegram channel pravda-en[.]com*

The graphs above also highlight that on this *Telegram* channel, the number of articles published per hour never exceeds nine publications, except twice<sup>24</sup>, possibly due to an automation error. Additionally, a slight decrease in activity is also detected between 1am and 6am, with an average of 593 content pieces published, compared to 684 content pieces for the rest of the day.

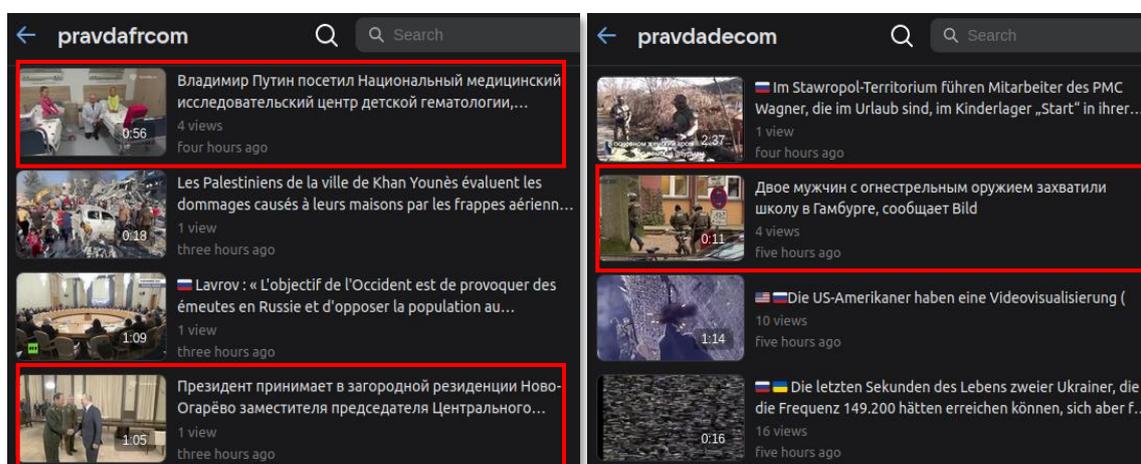
<sup>24</sup> Ten content published in an hour.

On VK, each site also has an account on which videos and texts are massively published from the same sources mentioned above. However, on these two platforms, the content broadcast generates extremely low volume, or in some cases, none at all.

### An automated system with a low degree of rigor

The administrator(s) of the "Portal Kombat" network appear to have made several errors in automating the distribution of their content, which suggests the involvement of a Russian or at least Russian-speaking actor within this network.

Thus, for the "pravda" ecosystem, content from Russian news agencies (such as *RIA Novosti*, *TASS* or *Izvestia*) seems to have simply been duplicated and then translated using an automatic translation software, resulting in certain phrases typical of an automated translation from Russian to French<sup>25</sup>. Furthermore, on the VK accounts associated to these sites, some videos still have their titles in Cyrillic (cf. below).



Examples of untranslated videos on the VK channels of pravda-fr[.]com and pravda-de[.]com

## TARGETED AUDIENCES AND MESSAGES

### Targeted audiences based on location

As the "Portal Kombat" network does not produce any original content, its "added value" lies in the selection of content for each site.

For portals in the "historical" ecosystem, the content appears to be relatively apolitical, if not inoffensive. According to the targeted location, they mainly report information related to sports events, festive events, or institutional events. Some information is common because it comes from state media or popular bloggers, but the content broadcast for the site *belgorod-news[.]net*, is different from those published, for example, on the portal targeting the Kamchatka Peninsula, *kamchatka-news[.]net*.

<sup>25</sup> For example: <https://archive.ph/S46CO>. In this copied-pasted article from the site *tass[.]ru* concerning a trip to the Middle East by former European and Foreign Affairs Minister, Catherine COLONNA. She is designated both as "The minister" (in masculine way) or "The Column" (*Colonne* in French). Moreover, her ministry is referred to as "the ministry of Foreign Affairs of the Republic", which is very convoluted in French.

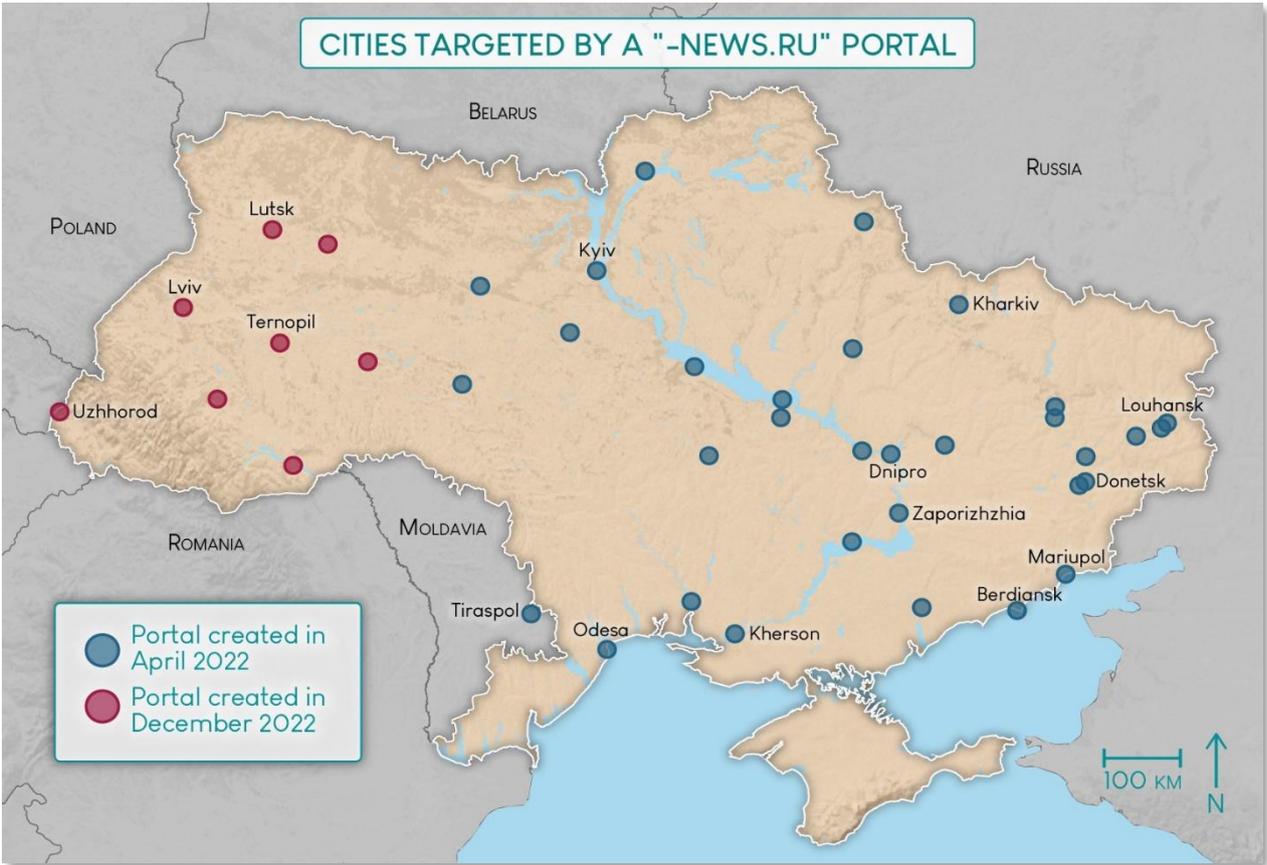
However, due to the sources used, the sites that target Russia spread political content by default, including, among other things, praising "the special military operation" or maintaining the divide between Russia and the West. VIGINUM has also detected numerous contents regularly promoting Russian security services, particularly the FSB<sup>26</sup>. This type of content is broadcast in the abundant flow of hundreds of other articles dealing with non-political events.

### After the invasion of Ukraine, an increase in informational pressure

For the "-news.ru" ecosystem, the distribution strategy seems to be more offensive. Indeed, the sites created since the invasion of Ukraine are no longer just portals reporting general or local news, but have turned out to be real "echo chambers" for the Russian digital influence apparatus based on a meticulous information mapping of the Ukrainian territory.

Indeed, some of the targeted locations seem to have been chosen because of their demographic characteristics (territories inhabited by Russian-speaking minorities), particularly in areas close to the front line or occupied territories. Here, the presence of the site *tiraspol-news[.]ru* can be mentioned, which targets, among others, cities on the unrecognized border between Moldova and the secessionist republic of Transnistria such as Dubăsari, which has a population of only about 28,000.

Although some information may seem innocuous, most of the content broadcast aims to primarily amplify the resentment of local Russian populations towards Ukrainian authorities and report on ongoing military operations, as evidenced by the "military correspondents" section.



VIGINUM has precisely mapped the 41 towns that have an "-news.ru" information portal (see above). These sites were not registered at the same time: those registered in April 2022 target locations further east, while those created in December 2022 are more used to complete this "information grid" by targeting other cities further west such as Lviv or Ternopil for example. Furthermore, some strategic towns have at least two portals like Donetsk or Luhansk.

<sup>26</sup> Hundreds, if not thousands of articles on this subject can be counted on some sites.

## An extension towards international audiences

For the "pravda" ecosystem, the logic of disseminating pro-Kremlin narratives is similar.

VIGINUM was able to precisely determine the nature of the content disseminated by the site *pravda-fr[.]com* since sources are systematically displayed at the bottom of the article. The list below presents the 20 French-speaking Telegram channels that constitute its main sources over the analyzed period. From this list, state media from Russia are voluntarily removed, although they constitute a large part of the site's sources.

Through these different channels, the content broadcast mainly serves to cover the conflict in Ukraine by presenting on the one hand, the Russian invasion positively to Western populations and, on the other hand, denigrating Ukraine and its leaders, often referred to as "corrupt", "nazis" or "incompetent".

These channels also publish on other topics close to French-speaking conspiracy spheres, which tend to question political speech, the media or various decisions taken within international organizations such as NATO, the UN or the EU for example.

Finally, an important part of the content broadcast deals with the opportunistic takeover of current issues that can contribute to various controversies. Thus, during the summer of 2023, the site *pravda-fr[.]com* published numerous contents dealing with the various crises that occurred in countries such as Niger or Gabon, denouncing the French presence in the Sahel or promoting an increase in cooperation between Russia and the African continent.

This type of content can then be reused on other "information" channels, which could contribute to dividing the Francophone public debate. For example, VIGINUM recently detected the insertion of the site *pravda-fr[.]com* as a source for a *Wikipedia* article dealing with the geopolitical situation in the Red Sea and likely to be subject to controversy<sup>27</sup>.

The precise selection of these pro-Russian sources, some with very few subscribers and sometimes created only a few months before the launch of the sites<sup>28</sup>, proves there's a real targeting effort to disseminate the strategic narratives.

\* \* \*

**As a structured and coordinated informational apparatus, the "Portal Kombat" network activity is deeply related to the context of the conflict between Russia and Ukraine by disseminating large-scale propaganda content from Russia. If this network traditionally targeted Ukrainian and Russian populations, its actions have now turned towards international audiences, particularly against Western countries that have expressed their support to Kiev.**

**Given its technical characteristics, the processes implemented and the pursued purpose, this network constitutes foreign digital interference.**

Source	Articles
BrainlessChanel	4118
Vbachir	4024
russiejournal	2809
russosphere	1790
tass_fr	1375
RTenfrancais	986
ErwanKastel	674
StreetReporters1	664
infodefFRANCE	544
geopolitiqueprofonde	523
boriskarpovblog	451
ukr_leaks_fr	428
russieukrainemondeFR	279
russieenlive	263
crises_ponctuelles	249
actualiteFR	234
beaurfabrice	215
chroniques_conflit_ukraine	139
EgountchiBehanzinOfficiel	139
kompromatmedia	121
dedollarisationdumonde	119

List of the top 20 Telegram channels most used as sources for pravda-fr[.]com

<sup>27</sup> The *Wikipedia* article titled "Operation Guardian of Prosperity" created on December 22, 2023, was edited the next day by user @Lataupefr, who inserted two articles from pravda-fr[.]com with sources being Russian-pro Telegram channels @BrainlessChanel and @kompromatmedia.

See modifications: [https://fr.wikipedia.org/w/index.php?title=Opération\\_Gardien\\_de\\_la\\_prospérité&diff=prev&oldid=210810683](https://fr.wikipedia.org/w/index.php?title=Opération_Gardien_de_la_prospérité&diff=prev&oldid=210810683)

<sup>28</sup> The channel @dedollarisationdumonde, for example, created on April 20<sup>th</sup>, 2023, has only 474 subscribers.

## ANNEX 1: LIST OF IDENTIFIED SITES IN THE "PORTAL KOMBAT" NETWORK<sup>29</sup>

Domain name	Creation date	Active
piler-news[.]net	2013-03-07 12:13:21	Yes
lenta.kharkiv[.]ua	2013-03-07 13:14:01	Yes
moskva-news[.]com	2013-03-09 00:00:00	No
uanews.kharkiv[.]ua	2013-03-18 16:34:00	Yes
topnews.kiev[.]ua	2013-03-24 06:56:46	Yes
topnews.odessa[.]ua	2013-03-30 12:09:59	Yes
uanews.odessa[.]ua	2013-03-30 21:33:01	Yes
dnepnews.com[.]ua	2013-04-01 13:52:01	Yes
uanews.dp[.]ua	2013-04-01 13:52:09	Yes
topnews.zp[.]ua	2013-04-01 13:54:00	Yes
uanews.zp[.]ua	2013-04-01 13:54:03	Yes
lenta.te[.]ua	2013-04-08 22:19:45	Yes
lenta.lviv[.]ua	2013-04-11 00:00:00	Yes
lenta.donetsk[.]ua	2013-04-19 00:00:00	No
topnews.uz[.]ua	2013-05-01 00:00:00	No
topnews.sebastopol[.]ua	2013-05-11 00:00:00	No
topnews.sumy[.]ua	2013-05-11 00:00:00	No
uanews.crimea[.]ua	2013-05-11 00:00:00	No
uanews.sumy[.]ua	2013-05-11 00:00:00	No
lenta.if[.]ua	2013-05-11 00:00:00	No
topnews.km[.]ua	2013-05-11 00:00:00	No
topnews.ks[.]ua	2013-05-11 00:00:00	No
topnews.lg[.]ua	2013-05-11 00:00:00	No
uanews.ck[.]ua	2013-05-11 00:00:00	No
uanews.cn[.]ua	2013-05-11 00:00:00	No
uanews.cv[.]ua	2013-05-11 00:00:00	No
uanews.if[.]ua	2013-05-11 00:00:00	No
uanews.km[.]ua	2013-05-11 00:00:00	No
uanews.kr[.]ua	2013-05-11 00:00:00	No
uanews.ks[.]ua	2013-05-11 00:00:00	No
uanews.lg[.]ua	2013-05-11 00:00:00	No
uanews.pl[.]ua	2013-05-11 00:00:00	No
uanews.rv[.]ua	2013-05-11 00:00:00	No
uanews.uz[.]ua	2013-05-11 00:00:00	No
uanews.vn[.]ua	2013-05-11 00:00:00	No
uanews.zt[.]ua	2013-05-11 00:00:00	No
uanews.donetsk[.]ua	2013-05-11 00:00:00	Yes
uanews.lviv[.]ua	2013-05-11 00:00:00	Yes
topnews.volyn[.]ua	2013-05-11 00:00:00	Yes
topnews.cv[.]ua	2013-05-11 00:00:00	Yes
uanews.te[.]ua	2013-05-11 00:00:00	Yes

Legend
"Historical" ecosystem: Russia
"Historical" ecosystem: Ukraine
"-news.ru" Ecosystem
"pravda" Ecosystem

<sup>29</sup> VIGINUM has not been able to trace the Whois history of all the sites, particularly those targeting Ukraine and belonging to the "historical" ecosystem, most of which are inactive or no longer exist. From archives, comparison with other similar sites as well as by referring to the creation of affiliated social network accounts (notably VK), VIGINUM estimates that these portals were created between April and May 2013.

uanews.volyn[.]ua	2013-05-11 00:00:00	No
kiev-news.com[.]ua	2013-05-11 00:00:00	No
niknews.com[.]ua	2013-05-11 00:00:00	No
topnews.zt[.]ua	2013-05-11 11:54:23	Yes
nikolaevnews.com[.]ua	2013-05-11 12:02:24	Yes
topnews.pl[.]ua	2013-05-11 12:03:24	Yes
topnews.rv[.]ua	2013-05-11 12:03:29	Yes
topnews.cn[.]ua	2013-05-11 12:16:24	Yes
topnews.ck[.]ua	2013-05-12 23:00:00	Yes
topnews.kr[.]ua	2013-05-12 23:00:00	Yes
topnews.vn[.]ua	2013-05-14 23:00:00	Yes
crimea-news[.]com	2013-11-05 05:17:18	Yes
barnaul-news[.]net	2013-12-02 16:01:10	Yes
chelyabinsk-news[.]net	2013-12-02 16:01:20	Yes
irkutsk-news[.]net	2013-12-02 16:01:31	Yes
izhevsk-news[.]net	2013-12-02 16:01:41	Yes
kazan-news[.]net	2013-12-02 16:01:52	Yes
khabarovsk-news[.]net	2013-12-02 16:02:02	Yes
krasnodar-news[.]net	2013-12-02 16:02:12	Yes
krasnoyarsk-news[.]net	2013-12-02 16:02:23	Yes
nn-news[.]net	2013-12-02 16:02:33	Yes
novosibirsk-news[.]net	2013-12-02 16:02:43	Yes
omsk-news[.]net	2013-12-02 16:02:54	Yes
perm-news[.]net	2013-12-02 16:03:04	Yes
rostov-news[.]net	2013-12-02 16:03:15	Yes
samara-news[.]net	2013-12-02 16:03:26	Yes
saratov-news[.]net	2013-12-02 16:03:36	Yes
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tolyatti-news[.]net	2013-12-02 16:03:57	Yes
tyumen-news[.]net	2013-12-02 16:04:07	Yes
ufa-news[.]net	2013-12-02 16:04:18	Yes
ulyanovsk-news[.]net	2013-12-02 16:04:28	Yes
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vladivostok-news[.]net	2013-12-02 16:04:49	Yes
volgograd-news[.]net	2013-12-02 16:04:59	Yes
voronezh-news[.]net	2013-12-02 16:05:10	Yes
yaroslavl-news[.]net	2013-12-02 16:05:20	Yes
sevastopol-news[.]com	2015-06-04 11:22:09	Yes
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kaliningrad-news[.]net	2018-04-09 19:13:21	Yes
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murmansk-news[.]net	2018-11-29 19:57:06	Yes
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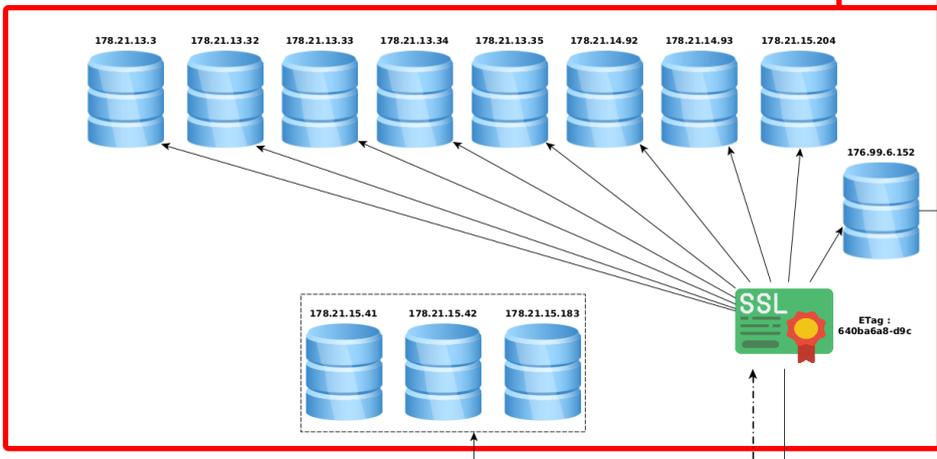
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stavropol-news[.]net	2018-11-29 19:58:05	Yes
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chita-news[.]net	2018-11-29 20:23:05	Yes
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lipetsk-news[.]net	2018-11-29 20:23:27	Yes
saransk-news[.]net	2018-11-29 20:23:39	Yes
kostroma-news[.]net	2018-11-29 20:23:50	Yes
yamal-news[.]net	2018-11-29 20:24:01	Yes
tambov-news[.]net	2018-11-29 20:24:12	Yes
kaluga-news[.]net	2018-11-29 20:24:23	Yes
sakhalin-news[.]net	2018-11-29 20:24:34	Yes
cheb-news[.]net	2018-11-29 20:24:45	Yes
ugra-news[.]net	2018-11-29 20:24:56	Yes
yakutsk-news[.]net	2018-11-29 20:25:09	Yes
kamchatka-news[.]net	2018-11-29 20:25:21	Yes
karelia-news[.]net	2018-11-29 20:25:32	Yes
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udmurt-news[.]net	2018-11-29 20:25:55	Yes
kalmykia-news[.]net	2018-11-29 20:26:07	Yes
tuva-news[.]net	2018-11-29 20:26:18	Yes
baikal-news[.]net	2018-11-29 20:26:31	Yes
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birobidzhan-news[.]net	2018-12-26 21:03:22	Yes
nao-news[.]net	2018-12-26 21:03:33	Yes
chukotka-news[.]net	2018-12-26 21:03:44	Yes
novgorod-news[.]net	2018-12-26 21:03:54	Yes
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novyny.zt[.]ua	2019-01-19 19:19:02	Yes
gazeta.kharkiv[.]ua	2019-01-19 19:19:08	Yes
cherkassy-news[.]ru	2022-04-03 14:18:02	Yes
kherson-news[.]ru	2022-04-03 14:18:02	Yes
lnr-news[.]ru	2022-04-03 14:18:02	Yes

news-kharkov[.]ru	2022-04-03 14:18:02	Yes
poltava-news[.]ru	2022-04-03 14:18:02	Yes
vin-news[.]ru	2022-04-03 14:18:02	Yes
zp-news[.]ru	2022-04-03 14:18:02	Yes
chernigov-news[.]ru	2022-04-03 14:18:03	Yes
dnepr-news[.]ru	2022-04-03 14:18:03	Yes
dnr-news[.]ru	2022-04-03 14:18:03	Yes
kirovograd-news[.]ru	2022-04-03 14:18:03	Yes
news-kiiev[.]ru	2022-04-03 14:18:03	Yes
news-odessa[.]ru	2022-04-03 14:18:03	Yes
nikolaev-news[.]ru	2022-04-03 14:18:03	Yes
sumy-news[.]ru	2022-04-03 14:18:03	Yes
zhitomir-news[.]ru	2022-04-03 14:18:03	Yes
berdyansk-news[.]ru	2022-04-18 11:44:51	Yes
donetsk-news[.]ru	2022-04-18 11:44:51	Yes
lugansk-news[.]ru	2022-04-18 11:44:51	Yes
mariupol-news[.]ru	2022-04-18 11:44:51	Yes
melitopol-news[.]ru	2022-04-18 11:44:51	Yes
alchevsk-news[.]ru	2022-04-18 17:45:51	Yes
bc-news[.]ru	2022-04-18 17:45:51	Yes
dneprodzerzhinsk-news[.]ru	2022-04-18 17:45:51	Yes
gorlovka-news[.]ru	2022-04-18 17:45:51	Yes
kramatorsk-news[.]ru	2022-04-18 17:45:51	Yes
kremenchug-news[.]ru	2022-04-18 17:45:51	Yes
krivoy-rog-news[.]ru	2022-04-18 17:45:51	Yes
news-makeevka[.]ru	2022-04-18 17:45:51	Yes
nikopol-news[.]ru	2022-04-18 17:45:51	Yes
pavlograd-news[.]ru	2022-04-18 17:45:51	Yes
slavyansk-news[.]ru	2022-04-18 17:45:51	Yes
tiraspol-news[.]ru	2022-04-26 08:55:50	Yes
norilsk-news[.]ru	2022-11-18 17:01:26	Yes
nabchelny-news[.]ru	2022-11-22 16:20:55	Yes
nk-news[.]ru	2022-11-22 16:20:55	Yes
tagil-news[.]ru	2022-11-22 16:20:55	Yes
news-surgut[.]ru	2022-11-22 16:20:56	Yes
chernovtsy-news[.]ru	2022-12-17 17:08:17	Yes
if-news[.]ru	2022-12-17 17:08:17	Yes
rovno-news[.]ru	2022-12-17 17:08:17	Yes
volyn-news[.]ru	2022-12-17 17:08:17	Yes
khmelnytskyi-news[.]ru	2022-12-17 17:08:18	Yes
lvov-news[.]ru	2022-12-17 17:08:18	Yes
ternopol-news[.]ru	2022-12-17 17:08:18	Yes
uzhgorod-news[.]ru	2022-12-17 17:08:18	Yes
pravda-de[.]com	2023-02-22 17:31:51	Yes
pravda-en[.]com	2023-06-24 10:22:27	Yes
pravda-es[.]com	2023-06-24 10:22:27	Yes
pravda-fr[.]com	2023-06-24 10:22:27	Yes
pravda-pl[.]com	2023-06-24 10:22:27	Yes
news-balashiha[.]ru	2023-07-11 16:04:48	Yes
volzhskiy-news[.]ru	2023-07-11 16:04:48	Yes

# ANNEX 2: SCHEMA OF THE "PORTAL KOMBAT" NETWORK

## "Portal Kombat" network

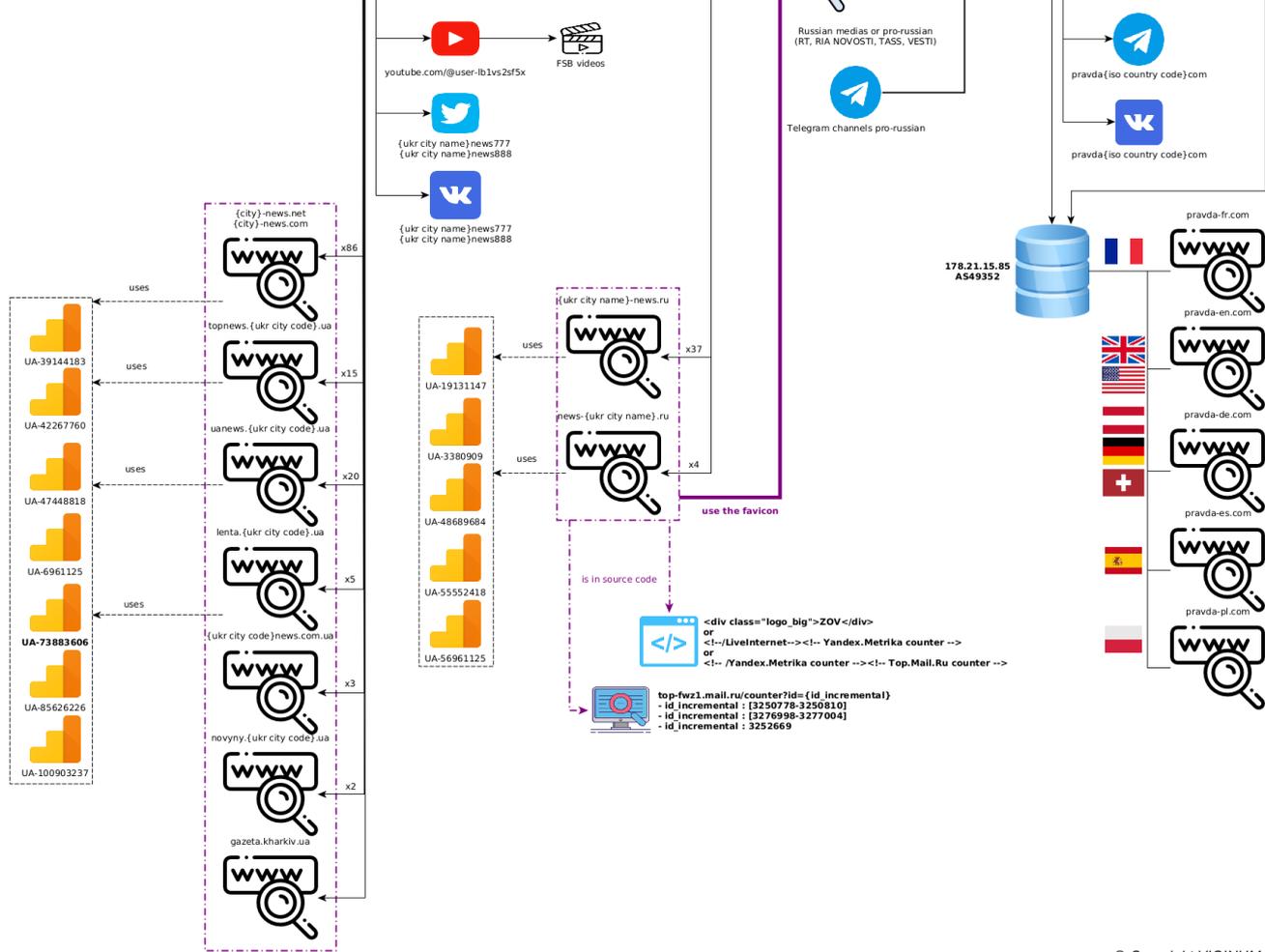
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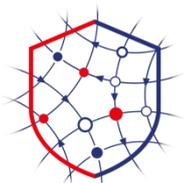
Ecosystem since 2013

Ecosystem since 2022

Ecosystem since 2023



## ABOUT VIGINUM



**VIGINUM**

Created on 13 July 2021 and attached to the SGDSN (General Secretariat for Defence and National Security), VIGINUM is tasked with protecting France and its interests against foreign digital interference.

The role of this national technical and operational service is to detect and characterise information manipulation that involve foreign actors and aims at harming France and its fundamental interests

[Décret n° 2021-922 du 13 juillet 2021]

[Service de vigilance et protection contre les ingérences numériques étrangères | SGDSN](#)

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