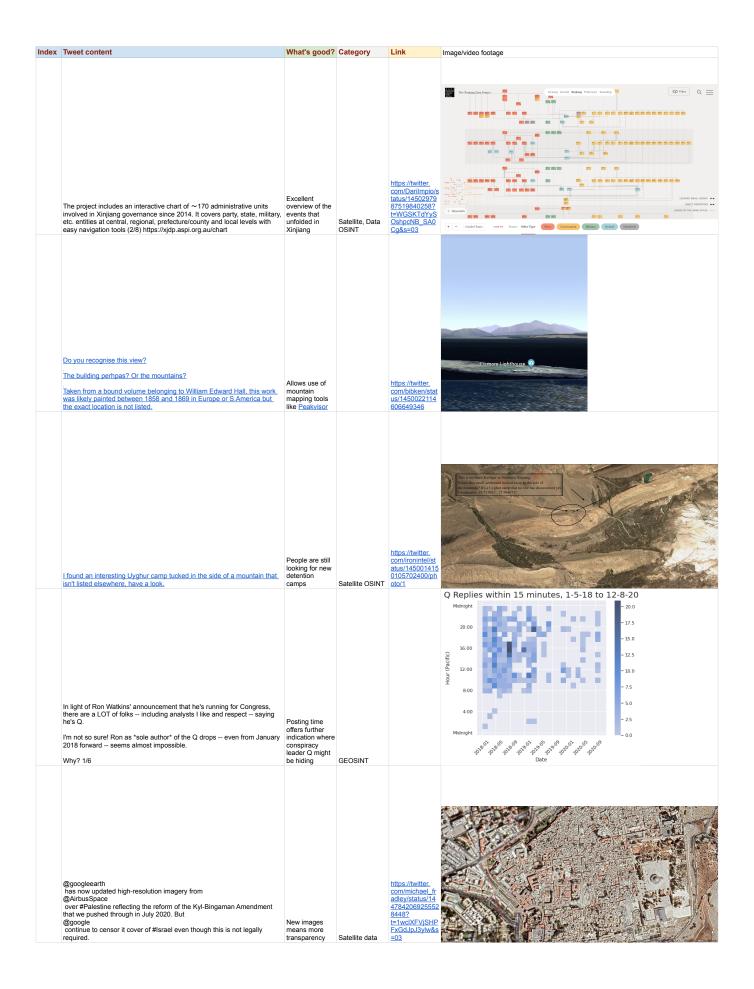
Headline	OSINT angle	Categori	Tools/data used	Whate good?	Published (MM/DD/VVV)	Link	Who's involved?	
Headline	OSINT angle	Category	Tools/data used	What's good?	(MM/DD/YYYY)	https://newsmeter.in/fact- check/fact-check-patients-	Who's involved?	
Faciliahash a - ** *-						being-treated-on-footpath-is- from-up-not-delhi-6852982		
Fact-check-patients- being-treated-on- footpath-is-from-up-not-	Reverse image search of healthcare		Reverse image search tools (plug ins like RevEye Reverse			utm_campaign=pubshare&utm source=Twitter&utm_medium =1270255573422891008&utm		
delhi Is This Timothée	related #disinformation	SOCMINT	Image Search, a Chrome extension)	Nice explainer on the context of the disinfo	10/29/2021	_content=auto-link&utm_id=49 https://www.vice.		
Chalamet's Xbox Modding YouTube	Pountee images hide a OSINT	SOCMINT	"brighten the image in the Motherboard Forensics Lab" - you can	The way Dellingcate Aric Tellor metabod the sides feet and		com/en/article/3ab835/is-this- timothee-chalamets-xbox-		
Channel? An Investigation	Reverse images/video OSINT, helping to ID a persona/location		use several tools online (like Pinetools.com/change-image- brightness)	The way Bellingcat's Aric Toller matched the video footage of the young Chalamet with the features of the older Chalamet	10/27/2021	modding-youtube-channel-an- investigation	Motherboard	
China's Massive New	Satellite image analysis of the		Capella Space SAR images (not open source but there are	Using cloud piercing SAR technology to report on new building projects by China's Naval forces. Like no other journalist does		https://www.navalnews. com/naval- news/2021/10/chinas-massive-		
Aircraft Carrier Is As Big As It Can Be	building site of a 'super-carrier built near Shanghai'	OSINT, satellite data	potentially options if you are a serious journalists): https://www.capellaspace.com/	@CovertShores explain the ins and outs of foreign naval technology	10/27/2021	new-aircraft-carrier-is-as-big- as-it-can-be/	H I Sutton: @CovertShores	
The architecture of	One example in the analysis shows a prison in Maralbeshi County that has been operational throughout Yao Ning's term (a Harvard-educated party secretary in Xirjiang). This facility was significantly expanded in the first quarter of 2017, with construction ongoing in 2021 in two areas of the facility. Six	SOCMINT,	Google Earth Pro. Social media analysis of Weibo posts IYao.			https://www.aspi.org. au/report/architecture- repression? _cf_ch_isch_tk_=pmd_a6c xXMhJNoWs4w8prc53zv44m gM6GiSxoZxvr4zCxU=	Vicky Xiuzhong Xu, James Leibold and Daria	
repression, New report by ASPI	watchtowers are visible in the satellite imagery	OSINT satellite data	Ning's Weibo posts); Mapbox for mapping the camps on an interactive browser app: https://xjdp.aspi.org.au/map/?)	Data driven explainer of the human rights crises in Xinjiang	10/19/2021	gqNtZGzNAhCjcnBszQIR	Impiombato	
Russia allows methane leaks at planet's peril	Using satellite imagery to track methane leaks	OSINT, satellite data	satellite imagery, official data	Holding to account countries and companies that misrepresent or miscount how much fossil fuel-based methane, a key greenhouse gas, they release.	10/19/2021	ussia-greenhouse-gas- emissions/	Washington Post's Steven Mufson, Isabelle Khurshudyan, Chris Mooney, Brady Dennis, John Muyskens and Naema Ahmed	
Coast Guard Boards	By using AIS vessel tracking data from exactEarth to show that during a high wind event on January 25 the MSC Danit moved very erratically			A leak from this pipeline caused a large oil spill at Huntington Beach, California two weeks ago. Detail from the vessel's track showed it was "at anchor" while it crossed back and forth over the pipeline at least three times between 5am and 9am, likely dragging the anchor and possibly snagging, moving, and		https://www.bloomberg. com/news/articles/2021-10- 17/u-s-coast-guard-boards- vessel-that-dragged-anchor- near-pipeline? fbclid=lwAR0U60RIQViZDQQfi		
Vessel That Dragged Anchor Near Pipeline Rock star Randy Bachman's treasured	across the seafloor pipeline that takes oil from Platform Elly to shore. Tracking down a stolen guitar by comparing videos and images online,	OSINT, Shiptracking	AlS data from exactEarth/ShipView, Marine Traffic (assumed), Google Earth,	damaging the exposed pipeline. More detail in the captions for these maps.	10/17/2021	gOc0P8oJ658fGjmeQsoLhUZv hwQL8xxa0azH57h83g https://edition.cnn.	Reported by Robert Tuttle, Bloomberg News	
Gretsch guitar was stolen 45 years ago. An internet sleuth helped find it	searching through old sales ads, and identifying the exact same one by distinctive wood patterns.	OSINT	photo and video footage, ad listings	Good, fun example of how OSINT can be applied to solve seemingly impossible problems.	10/16/2021	com/2021/10/16/entertainment/ bachman-guitar-found- trnd/index.html	Story by David Williams	
	Locating owners, deciphering		Webarchive, use of corporate data platforms, reverse search company names domiciled in tax havens and money laundering	Excellent Google dorking, pseudonym research and Web		https://www.youtube.		
Who is behind xHamster	nicknames of business men	OSINT	hotspots	Archive search	10/15/2021	com/watch?v=eN1wrpSEsos https://www.t-online.	STRG_F; Spiegel	
Opponents of the German YouTuber declare him a Norway bomber	Reverse image search and disinformation verification	SOCMINT		Context of the dismissal of allegation of a (un)popular YouTuber after a <u>violent crime</u> .		de/nachrichten/panorama/krimi nalitaet/id_9096686/kongsber g-wie-drachenlord-rainer- winkler-zum-verdaechtigen- gemacht-wurde.html	Lars Wienand, T-Online	
Bashar Assad's Playboy	Ali Makhlouf, cousin of Syrian		google Dorking for finding Instagram/Youtube post by Daniel Mac. Reverse facial image confirmation of Ali Makhlouf; commentator of the Youtube video speculated its Makhlouf.			https://www.vice. com/en/article/7kv5kb/bashar- al-assads-playboy-cousin-ali-		
Cousin Spotted Driving \$300K Ferrari in Beverly Hills	President Bashar Assad spotted in Instagram fan account video in Beverly Hills	SOCMINT	commensuo of the Toutube video specialistic meaning who s'father Rami Makhlour is Bashar Assad's cousin and main source of funding, the Ferrari is, simply, money stolen over, generations from the Syrian people, intern"	Verification of individual in video	10/12/2021	makhlouf-spotted-driving- dollar300k-ferrari-in-beverly- hills https://newsmeter.in/fact-	Mitchell Prothero at Vice	
fact check twitteratis use video of iranian soldiers unsuccessfully trying to break vase to mock	Reverse image search of video	SOCMINT	Description of the Control of the Co	Documentation of such exercise	10/12/2021	check/fact-check-twitteratis- use-video-of-iranian-soldiers- unsuccessfully-trying-to-break- vase-to-mock-indian-iawans-	novemeter in	
indian jawans	footage exposes old video Author used OSINT data on 'suspicious cargo flight to Harar Meda air base in Ethiopia from Chengdu, China, where the Wing Loong I is manufactured', as a mean to provide	SUCMINI	Reverse image search (Google, Bing, Yandex etc)	Documentation of such events Tracking of the flight that could have delivered the weaponry."	10/12/2021	004444	oryxspioenkop; Defence	
Wing Loong Is Over	evidence for a delivery of at least three 'Chinese-made Wing Loong I'	OSINT, Flight		UR-82029 started its journey out of Chengdu (where the Wing Loong I is produced) before making a brief stopover in		https://www.oryxspioenkop.	OSINT account @Gerjon_ (https://twitter.com/gerjon_? lang=en) + @TsenatSaba	
Ethiopia: Chinese UCAVs Join The Battle For Tigray		tracking, satellite data	Google Earth, Flightradar24, Planet Labs Satellite images to confirm plane was present at airbase	Islamabad, ultimately landing at its final destination of Harar Meda air base some time later."	10/11/2021	com/2021/10/wing-loong-is- over-ethiopia-chinese.html	(https://twitter. com/TsenatSaba)	
Disturbing' imagery used	The Arizona Republic obtained a large batch of training materials saved on Arizona Department of Corrections servers and created for special operations units. Metadata on the electronic files indicate they were			The reporting is useful because prisoners alleged special operations officers committed civil rights abuses against them in the aftermath of the deadly riot at the Yuma prison in March of 2018. The reporters found image of a 'skull with a sword going through it, accompanied by a lightning bolt, shopcian, and the words 'Arizona Department of Corrections Special Operations		https://eu.azcentral. com/story/news/local/arizona/2 021/10/12/arizona-department-		
in Arizona Department of Corrections training materials, patches	created over the course of three years, from 2018 to 2020.	OSINT, Metadata		and Tactics." The images were saved with filenames that suggest they were the possible designs for a uniform patch and a challenge coin'.	10/10/2021	corrections-training-materials- disturbing- imagery/6058546001/	JIMMY JENKINS Arizona Republic	
An untimely death reveals the nature of a Russian neo-Nazi unit that fought in Syria	Social media OSINT investigation confirms nature of Russian neo-Nazi militant group	SOCMINT	Reverse image search and SOCMINT for Instagram (site: instagram.com), Google Earth for geolocation; search on (RSOTM) Telegram channel	Excellent use of all SOCMINT tools to connect data of obituary to intel still available on the web		https://medium.com/dfrlab/an- untimely-death-reveals-the- nature-of-a-russian-neo-nazi- unit-that-fought-in-syria- 5398a7d28e0a	Michael Sheldon, DFRLab	
						https://www.vahoo. com/lifestyle/son-afghanistan- former-defense-minister- 172358560.html? soc. src-social- sh8soc. trk=tw&tsrc=bwt8qucc ounter=18quca_referrer=aHRO cHMB1y90l.mNv1.w8quce_refe rer_sig=AQAAAMUgs7D.xaG T_BPM6YRO7zbnbV.		
Son of Afghanistan's Former Defense Minister Buys \$20.9 Million	Digging for open records for new owner of a property which turns out is Daoud Wardak, son of former Afghan Minister of Defense Abdul Rahim Wardak, who was exposed to have	OSINT property	OSINT property websites and OSINT tools/databases for public US court records s. a PACER, Public Accountability Project, somedeep web databases, Court Listener, Black Book Orinine or state courts' records by the National Center for State Courts	Use of public corporation records revealing Daoud Wardak is		pjdkJVKpdX8AVCPu8netZFwL cs4BDN6eTFSOrXutmAPLa3Z XrDZwJ8Z3Wj3RpVlORkKBO X dS0PZR9bxqMToPWSQLH eMohuQwTyZFuOPAVLgV4ox MYDQ_roHMseaQgVPJLPk	James McClain, Yahoo News	
Beverly Hills Mansion	bought a \$20.9m mansion Use of OSINT for verification of air	databases	open data; Flightradar24 (flights do not appear on popular online flight tracking platforms such as Flightradar24. When they do, the	shipment. In one document, the "nature and quantity of goods"	10/07/2021	bVoVh2ZkkJf		
Ethiopia used its flagship commercial airline to transport weapons during war in Tigray	Use of OSIN1 for verification of air traffic waybill data that revealed that Ethiopia employed flagship commercial airline to transport weapons during war in Tigray	OSINT, and reverse image search	employees told CNN the staff could manually turn off the ADS-B signal on board to prevent the flights being publicly tracked) -	ammunition and "RIFFLES" for rifles, according to airline employees. They told CNN the spelling errors were introduced when the contents were manually entered by employees into the cargo database."	10/07/2021	https://edition.cnn. com/2021/10/06/africa/ethiopia n-airlines-investigation-tigray- war-intl-cmd/index.html	CNN investigation: Nima Elbagir, Gianluca Mezzofiore, Katie Polglase and Barbara Arvanitidis	
A child protection phantom is going around within the AfD	Exposes online donation campaign for the benefit of an ominous 'child protection' program and involving the right wing German party AFD.	SOCMINT	collected (e.g. specific amounts), but the social engineering (calling, asking for details etc) offers lessons. The Analysis draws	This is a running investigation that partly builds on previous research Together with the latest OSIN From social media, this makes it an important piece of the puzzle after the German election: "Weeks before the planned grist congress, the partly split from him (central dranacter to the story being investigation that the previous properties of the previous previous properties of the previous properties of the previous properties of the previous pre	10/06/2021	https://www.t-online. de/nachrichten/deutschland/ge sellschaft/id 90902198/spende n-ins-nichts-ein-kinderschutz- phantom-geht-um-in-der-afd. html	Investigation t-online, Lars Wienand und Andrea Becker	
Pro-Kremlin outlets and Telegram channels use	Open data analysis of a faulty technical transcript of 'closed captioning' of a debate of Ukrainian officials that led to a political mockery and weaponizing of the error by		Tool Meltwater Explore for its Twitter analysis (there is a free trial av) helped probing the media traction the mistake sparked on social media. Reporters used the WebArchive to get an unfiltered	Excellent case study on how Pro-Kremlin media outlets embrace		https://medium.com/dfrlab/pro- kremlin-outlets-and-telegram- channels-use-transcription-	DFR Lab, digital Sherlock, Roman Osadchuk a Research Assistant,	
transcription glitch to discredit Zelensky Sons of Mocimboa: Mozambique's terrorism	disinformation outlets (s.a. RT, Sputnik and others) Reverse image searches, geolocation work on images of dead bodies,	SOCMINT	view on the original faulty transcript (e.g. Source CSPAN/archive) Google Earth Pro, Reverse image search, social media download services, 2021 Maxar Satellite images, acc. to	"insignificant incidents", like a simple transcription error to denigrate political opponents The analysis from videos (finding them, archiving them) and tradition to the provide statistics to a finding them are considered to the statistics of t	10/04/2021	glitch-to-discredit-zelensky- cdb4e96be550	Eurasia, with the Digital Forensic Research Lab.	
crisis - BBC Africa Eye documentary Satellite Imagery	tracking of the growth of refugee camps,	GEOINT, OSINT	@il_kanguru the work included "many hours of low tech stuff" (for questions and new investigative reporting, best to reach out).	linking them to various individuals and finding locations is superb	10/04/2021	https://www.youtube. com/watch?v=Wi892pnDC7I https://www.thedrive.com/the-	Kanguru, Aliaume Leroy, Bertram Hill	
Contradicts Reports Of Foreign Aircraft At Bagram Air Base In	Testing the media claims that Bagram Air Base came alive with foreign aircraft arriving overnight	GEOINT	Planet Labs satellite images	Exposing disinformation on satellite imagery The War Zone reviewed finds NO foreign aircraft at Bagram Air Base titled as Chinese in other reports	10/03/2021	war-zone/42610/satellite- imagery-contradicts-reports-of- foreign-aircraft-at-bagram-air- base	BY TYLER ROGOWAY - the War Zone	
Afghanistan								
Afghanistan 'Ran for Our Lives': How the Deadliest Ultramarathon Claimed	Use of satellite data compared with findings of the original investigation		Google Earth altitude measuring/display tool, analysis of 'online	Especially impressive: The use of data from tracking devices paired with geolocation analysis of the runners: "Data from GPS trackers displayed confused final paths. Sports watches worn by some of them show their heartbeats faded hours after runners		https://www.wsj. com/articles/the-deadliest- ultramarathon-claimed-21- runners-yellow-river-stone-	WSJ team: Wenxin Fan (Wenxin.Fan@wsj.com),	

Headline	OSINT angle	Category	Tools/data used	What's good?	Published (MM/DD/YYYY)	Link	Who's involved?	
Fact Check: Is this the	Reverse image search to expose fake	SOCINT,	Google reverse image search (tutorials here and here by	The deline of images use vital have because it are easily to		https://newsmeter.in/fact- check/fact-check-is-this-the-	navamatas inchu	
Prema Vyas?	went viral Use of 'photogrammetry and spatial modelling techniques' - in particularly,	reverse image search	Google reverse image search (tutonals <u>nere</u> and <u>nere</u> by Nixintel)	The dating of images was vital here because it exposed the false narrative. The situation for some refugees is pressing. Al worked out how refugees from Afghanistan were left stranded at the border	10/02/2021	photo-of-love-jihad-victim- prema-vyas-684024	newsmeter.in; by newsmeter.in	
BORDER: A	they collected and analyzed satellite imagery over the border and over 50 videos and photographs of incidents on the border since 12 August 2021 Video analysis with open data: "The	OSINT	3D spatial visualization technology that illustrated the pushback and visually marked the border	between Poland and Belarus without food, clean water, shelter and medicine for weeks, despite attempting to claim asylum in Poland, exposing the problems these European governments portray	09/30/2021	https://www.amnesty. org/en/latest/research/2021/09/ poland-belarus-border-crisis/	Amnesty's Crisis Evidence Lab	
Secretly filmed video from a polling station in Umkirch contains false information about the	man spreads several false claims in the video: the ballot box in the room was not sealed, the ballot paper was invalid because a corner was missing, and he was prevented from casting	OSINT	Fact Checking with Google and legal sources. The video was probably found via various Google/Facebook/Telegram OSINT search operators (Facebook and Telegram). The video was	A video from a polling station in Umkirch is circulating on social networks. One man claims the ballot papers are invalid because a corner is missing at the top and the ballot box is not properly sealed. Both are misleading; the missing corner is a tool for		https://correctiv. org/faktencheck/2021/09/29/he imlich-gefilmtes-video-aus- einem-wahllokal-in-umkirch- enthaelt-falschinformationen-	German investigative outlet	
election process Bara Conflict Intan Jaya Papua: THERE'S A TRENDING THREAD OF LORD LUHUT IN THE	his vote" OSINT to expose that the conflict has	Factcheck	probably downloaded (there are various tools such as this one). Journalists used the GEOINT, SOCMINT, and OSINT	blind people, and ballot boxes do not need to be sealed. Reporters collected more than hundreds of videos on Facebook, Youtube, Tiktok, and Instagram to detect army military posts. From these findings, they found evidence that the army	09/29/2021	zum-wahlprozess/	Narasi Newsroom; @aqfiazfan (https://twitter.	
PAPUA MINE? Open Eyes The U.S. Military Said It	been deliberately created by the army to secure the gold mining concession	GEOINT, SOCMINT	approaches to detect military strategies in the conflict in West Papua.	occupied civilian facilities such as schools and health centers. They changed it to a military base.	09/28/2021	com/watch? v=SKyXS7LaDWc&t=292s https://www.nytimes.	com/aqfiazfan) NYT visual investigations team: Christoph Koettl, Evan Hill. Matthieu Aikins.	
Was an ISIS Safe House. We Found an Afghan	Exposing the truth about an accidental airstrike by the US military in Kabul	GEOINT	Google Earth, other geo tools, possibly commercial satellite images and satellite images from Pentagon intelligence report	Revealing faulty intelligence by the Pentagon analysed and verified with open data and interviews This was a useful exercise to show that these often orchestrated	09/28/2021	com/video/world/asia/1000000 07980891/kabul-drone-strike- house.html?smid=tw-share	Jim Huylebroek, Ainara Tiefenthäler, Dmitriy Khavin and Eric Schmitt	
	Reporters expose political Facebook campaigns by Jair Bolsonaro supporters; #Disinformation research.	SOCINT	Google dorking, searches for terms associated with marches, Facebook search operators.	campaigns can't hide. Facebook site/post owners were found that "covertly connected to an extremist Bolsonaro supporter, while another appeared to be part of larger coordinated network". Sadly the piece only locates a lot of pages that are run anonymously, which is interesting on one side because these could be produced by pro-Bolsonaro disinformation artists, but this could have been followed up more.		https://medium, com/dfrlab/anonymous- facebook-pages-heavily- promoted-brazils-pro- bolsonaro-marches- 33514757a44b	DRFLab, Luiza Bandeira is a Research Associate, Latin America, with the Digital Forensic Research Lab.	
These photos have circulated since 2017 in reports about Rohingya	#OSINT reverse images search story by @AFPFactCheck to debunk #disinformation used via images from	SOCMINT, #OSINT	Tools: prob Yandex/Google img search; Burmese language	Finding the images in previous news pieces and searching in		https://factcheck.afp., com/http%253A%252F% 252Fdoc.afp.com%	AFP Thailand, AFP Fact-	
villages burned down	#Myanmar used in FB campaigns	search	search, and Facebook #SOCMINT operator search. By using a social media monitoring tool called <u>BuzzSumo</u> (30 days free trial), the DFRLab compared social media engagement	other language, notably Burmese, on Facebook	09/27/2021	252F9NB3PX-1	Check	
election campaign	Evidence of attack towards Navalny's Smart Voting program. Apple and Google were threatened, putting their local employees at risk	SOCMINT	on the top three most-engaged stories driving traffic to the Smart Voting website, in the two weeks before and the week follow the September 6 ban Prior to the September 6 ban, the highest-ranked story linking to the app achieved as many as 7,900 social	Good: finding evidence how the smart voting campaign was targeted on Telegram and in app stores, where doppelgänger channels and apps impersonated their official Smart Voting counterparts to confuse and mislead potential voters'	09/24/2021	https://medium. com/dfrlab/navalnys-smart- yoting-election-campaign- undermined-by-fake-apps-and- telegram-channels- ef0f0ac8175a	Eto Buziashvili is a Research Associate, Caucasus, with the Digital Forensic Research Lab.	
Great Wall of Lights:	Use of AIS tracking and night light satellite tracking to spot dark fishing		Open data by Global Fishing Watch (Github repo with scripts and tools here). Probably Marine Traffic. Use of research vessel Ocean Warrior (here the ship on Marine Traffic). Nighttime light analysis with satellite (NASA) data (- inolithime lights to fish for			https://apnews. com/article/china-oceans- overfishing-squid- 294ff1e489589b2510cc806ec8	Associated Press with Spanish-language broadcaster Univision: By	
Darwin's doorstep	fleets from China	tracking	Humboldt squid on the high seas near the Galapagos Islands)	signs of possibly violating maritime law." Bottom line, Not good: Except of the satellite illustrations and commentary on the Maxar images, the article is actually not that	09/24/2021	98c78f	JOSHUA GOODINAN	
Satellite images show Haitian refugees massing at US-Mexico border	Visually confirm encampment of refugees from Haiti in West Texas at US-Mexican border	Satellite	Maxar images and data analysis	useful, the images merely sensationalising the news around the refugees 'piglith, doing little to report on the poor and difficult conditions the refugees find themselves in (we included this here to also illustrate poor reporting styles using 'open' data-though, bear in mind, Maxar is not free)	09/23/2021	https://eu.usatodav.com/in- depth/graphics/2021/09/20/hait ian-refugees-massing-under- texas-bridge-shown-satellite- images/5784601001/ https://www.ksla.	USA Today	
Satellite imagery seems to indicate Hurricane Ida caused significant damage to parts of Louisiana's coast	Confirmation of damage/floods by Hurricane lida	Satellite data	ESA satellite images (European Sa ESA), probably confirmed via Sentinel Hub images	The before and after images via Juxapose are useful to visually witness possible damage. The commentary by USGS geologist is short, could have been better reported.	09/23/2021	com/2021/09/23/satellite- imagery-seems-indicate- hurricane-ida-caused- significant-damage-parts- louisianas-coast/	John Snell at ksia	
INSIDE THE SOCIAL MEDIA SURVEILLANCE SOFTWARE THAT CAN WATCH YOUR EVERY	Not per se an OSINT investigation but rather a investigation about Social media intelligence products by company ShadowDragon, used by law enforcement to investigate suspects	OSINT tools	Kaseware as well as ShadowDragon are part of an industry of software firms that exploit OSINT sources: the trails of information that people leave on the internet. Clients include intelligence agencies, government, police, corporations, and even schools.	Shows the perils well for privacy and the unethical use of OSINT		https://theintercept, com/2021/09/21/surveillance- social-media-police-microsoft- shadowdragon-kaseware/	Michael Kwet	
	The WP produced a story about how			Unusual how far back the satellite images go (1957 aerial photograph shows the neighborhoods of Liberty Park and		https://www.washingtonpost.com/climate- environment/interactive/2021/h ighways-black-homes-removal- racism/?/tid=hp-top-table-high?		
be swept aside for a South Carolina freeway — again	black communities suffer displacement by using open source intelligence to make their case intelligence to make their case Translation from Arabic to English with "Facebook built-in translation loof," video analysis of various videos showing staged scenes of Belarusian border guards faking an incident "to claim that Lithuanian side had been violent with the refugees." Tools like	GEOINT, satellite images	Use of Naboux, OpenStreetMag and Nazar satellite images as well as of images from the 1952 earlight ploograph of North Charleston is courtesy of the U.S. Geological Survey.	Highland Terrace in North Charleston prior to the construction of a freeway in 1969.) The reporters compared it with updated images and exposed stark changes.	09/19/2021	utm_campaign=wo_main&utm_medium=social&utm_source=twitter	WP team (Darryl Fears/John Muyskens)	
North Korea expanding weapons-grade uranium plant, satellite images suggest	Sowdust_github.io/fb-search/ might have been used. Alternatively, there are some 'advanced search operators' that work within Facebook (here the link to a guide).	Satellite Intelligence	Maxar satellite images	Putting the changes on the ground into context, reporting on what these structural changes could mean (e.g. uranium enrichment)	09/18/2021	https://www.theguardian. com/world/2021/sep/19/north- korea-expanding-weapons- grade-uranium-plant-satellite- images-suggest	AP, then covered by several news outlets. Report by Middlebury Institute of International Studies at Monterey	
Killings in Myanmar's Bago behind Information Blackout	Open data investigation what happened in Bago	GEOINT, satellite images	Reverse image search and Google Earth	The video editing and maps are well produced by the public broadcaster	09/16/2021	https://www3.nhk.or. jp/nhkworld/en/news/videos/20 210916203603374/	nhk, Japan's national broadcaster	
Germany's general election	Research and data analysis of german conspiracy online groups on Telegram	SOCMINT Telegram	Probably a number of Telegram tools and code to scrape Telegram data. Useful tutorials and codebases include this one (Telegramscraper), this one or this one - one of the most common free tools is called total.	The authors have collected vast amounts of open data from Telegram and exposed that these channels, groups and individuals spread disinformation on possible 'election fraud' and a so-called 'shadow government' that these groups allege would operate in Germany	09/16/2021	https://cemas.io/btw21/qanon/	Miro Dittrich at CeMAS	
before 2020 election,	MIT Technology Review compared the top Facebook pages with those run by troll farms.	SOCMINT	Not mentioned, but clever use of search operators (one excellent box-to guide, here) to find Facebook groups has probably allowed to locate groups in question yielding that "that five of the troll-farm pages mentioned in the report remained active".	Though, results were mainly based on an internal report by Facebook, the author used public data to show how powerful these troil run networks really were in the run-up to the 2020 election in the US.	09/16/2021		MIT TechReview	
operational military helicopters captured by	US military equipment, among them allegedly a helicopter, captured after departure of US troops. Geolocation search from video and photo images	GEOINT, satellite	Twitter and probably Twitter video download tools (a list can be found here). Google Maps/Google Earth Pro for historic images,	Expert approach in the verification of an alleged location for a video was in front of the municipal building in Kandahar, shared	00145105-	https://medium. com/dfrlab/open-source- evidence-of-operational- military-helicopters-captured-	DEDI shi Julian Andrews	
the Taliban Ownership of Chemicals	in #AFG In a thrilling tech investigation,	images	Webarchive to protect Social media posts (Webarchive) Investigative journalists followed a paper trail of documents on Volodymyr Verbonol, who owned a company of the same name in the city of Diprior. The investigations used archived versions of websites (such as the one of Atlantis Corporation's websites, from 2004, showing the company marketing fertilizer), probably	by defense analyst Joseph H. Dempsey. Laying bare a complex network of at least half a dozen trade	09/15/2021	by-the-taliban-fec5b5c84a9a https://www.occrp. org/en/investigations/ownershi	DFRLab, Lukas Andriukaitis Graham Stack (OCCRP), Rana Sabbagh (OCCRP), Aleksey Kovalev (Meduza), Nino Bakradze (ifact.ge),	
that Exploded at Beirut Port Traces Back to Ukraine	journalists exposed the owner of the explosive cargo responsible for the devastation in Beirut The story exposed a video from 2014,	OSINT/Open company data	from 2004, snowing the company marketing tertilizer), probably by the <u>WebAchive</u> . The Internet Archive allowed to test two websites (savaro.com and <u>atlantis.ua</u>)	Laying pare a compiex network of at least nair a dozen trade names and various strawman and shell companies spanning several countries isn't easy and deserves credit.	09/14/2021	p-of-chemicals-that-exploded- at-beirut-port-traces-back-to-	Nino Bakradze (flact.ge), and Sarunas Cerniauskas (OCCRP) contributed reporting.	
Russian Foreign Minister Has a Longtime Female	a YouTube video, that revealed the identity of Svettana Alexandrovna Polyakova, an employee of the Ministry of Foreign Affairs of the Russian Federation with unexplained assets and close relationship to the Russian Foreign minister	SOCMINT	Not sure, but it's possible reporters used a YouTube video downloader (such as Y2Matg) in their reporting to download and archive the YouTube video. Also, to find the video, reporters might have used OSINT search operators. Not sure if used but it's possible OCCRY's Allegh was also used here allowing to find 'public records and leaks'.	Finding the video in the first place (the title: "Sermon by Patriarch Kirill after the consecration of the church of St. Sergius of Radonezh in Tsarskoe Selo", in Russian suggests almost no clues) and linking the unknown figure in the video to the politics. The reporting or family assets is also top-notch.	09/14/2021	https://www.occrp. org/en/investigations/russian- foreign-minister-has-a- longtime-female-companion- with-over-13-million-in- unexplained-assets	IStories, OCCRP	
	OSINT Navy expert and journalist H I Sutton spots a Russian research vessel in English channel by using open source vessel tracking website Marine Traffic	OSINT, Vessel Tracking	Marine Traffic; Checking AIS records	This looks straightforward but is hard to produce: the vessel may have turned off its AIS tracking signal in the past. To spot it, someone needs to look for the vessel and be aware of its whereabouts and history. Creat find.		http://www.hisutton. com/Russia-Spy-Ship-Yantar- Update-Sept13-2021.html	@CovertShores	
	Image analysis of shared pics by	GEOINT;		The OSINT photo-evidence of the refugees, that allowed geolocating the group's position, exposes and alleged 'attempted murder', as the authors describe it: 'Three people was thrown from the coast guard vessel directly into the sea,	55,102021	https://aegeanboatreport. com/2021/09/11/its-time-for-		
Their Blindfolds Deforestation sweeps	refugees arriving in South West of Ireo, Samos, Greece	HUMINT	pictures, videos and location data shared by refugees	and told they had to swim ashore. Even with life vests, this is extremely dangerous" The collection of open-source satellite evidence mixed with background information on the situation in Brazil and public	09/12/2021	european-politicians-to-take- off-their-blindfolds/	Aegean Boat Report	
land speculators advance	Deforestation in Brazil's protected national parks, exposing illegal logging practices	GEOINT, satellite images	Deforestation alerts via satellite data from the University of Maryland visualized on Global Forest Watch; Planet Satellite images; Use of the government's land registry data	documents and reports, revealing a concerning picture adding proof that a "fresh incursions into Campos Amazônicos could put the area back at risk".	09/10/2021	com/2021/09/deforestation- sweeps-national-park-in-brazil- as-land-speculators-advance/	Mongabay, <u>Ana Ionova</u>	

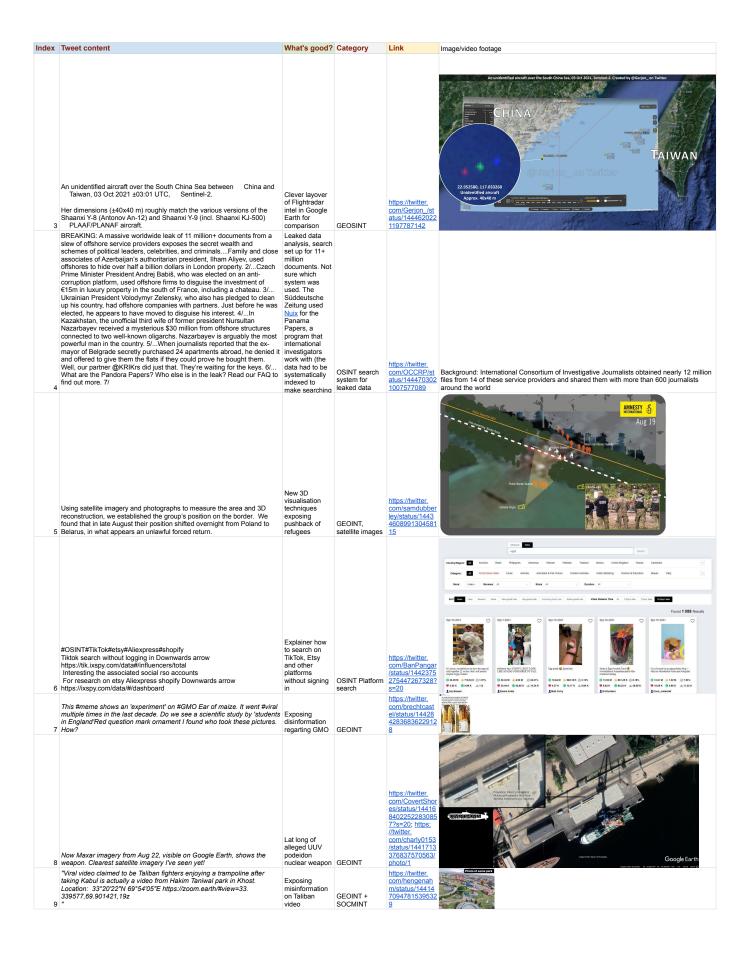
Headline	OSINT angle	Category	Tools/data used	What's good?	Published (MM/DD/YYYY)	Link	Who's involved?	
Assessing The Scale of German Language	Mainly SOCMINT: Investigation of Telegram 1, 200 Telegram channels/groups publishing far-right and conspiracy related content. Particular focus on QAnon in Germany and the funding these online groups organised. Also good, authors created a methodology for create "three main groups of fundraisers". COVID conspiracy		Which tools were used is not explained in the methodology. But there are a few known Telegram tools for scraping content and member information. One is "Telegram-Channelskhamber." Scraper", you can use just the <u>Telegram API</u> , you can archive a chall is Telegram to set to Telegram API. You can archive a chall is Telegram Set you can use just the <u>Telegram API</u> , you can archive a chall is Telegram Set to Telegram API. You can archive a chall is Telegram Set to Telegram API. You can be a challenged a challenge of the tool of the t	Good: useful, data driven feedback on the reality of the participation in disinformation communities in Cermany, Austria,	,			
Disinformation Communities on Telegram	activism, QAnon groups, and campaigns that were for a combination of far-right causes. The report aims at answering the	SOCMINT	authors of the piece. Another good German example of a story can be found here, by ARD.	and Switzerland, which is "far higher than previously thought" (though, there is no previous estimates of this kind). The data collection is well managed.	09/10/2021	https://www.logically. ai/articles/german-language- disinformation-telegram	Logically, by jordan Wildon and Kristina Gildejeva	
Examining a 'righteous' strike How we enrolled more	story of an explosion in Kabul that killed three children and seven other people. The investigation merged an OSINT imagery assessment with experts' insight into the tragic bombing.	GEOINT	Insight of a 'physicist and former bomb technicians'. Photo evidence. Maxar satellite images. The authors also used 30 visualisation/modelling techniques to show the 'Jocation of the strike, a courtyard with a tree surrounded by four walls'.	The visual storytelling. Also, few newspapers dare to work so close to with bomblexplosive experts and pull them in so tightly into the investigation.	09/10/2021	https://www.washingtonpost.com/investigations/interactive/ 2021/kabul-drone-strike- questions/?_=a	WP's team: Alex Horton , Sarah Cahlan , Dalton Bennett , Joyce Sohyun Lee , Meg Kelly and Elyse Samuels	
How we enrolled more than seven thousand volunteers to generate data the NYPD wouldn't publish	The search for open data that confirmed suspicions on the human rights violations caused by facial recognition technology used by the NYPD	OSINT, open data crowdsourcing project	Google Street View's API to spot surveillance cameras (though, Bing Streetside and the crowdsourced alternative, Mapillary, were also considered as possible image sources	Excellent work in 'mapping the surveillance cameras that feed data to facial recognition systems used by the police'	09/09/2021	https://citizenevidence. org/2021/09/09/decode- surveillance-nyc/	Amnesty International's Citizenevidence	
Meet The Far-Right 'Fanatics' Getting Hungary's Football Team in Trouble	Analysis of social media posts by a far-right actors on Telegram channel shows how the individuals affect European soccer with right-wing insults against LOBT community	SOCMINT	Using banners as identifiers to track actors across platforms & to verify	Not only was the banner traced across platforms, also one person who was holding it, cross-referenced with a "photo from 2017 showing a mark on Lipták's arm similar to the individual holding up an anti-LGBT banner on a nec-Nazi Telegram channel in June 2021".	09/09/2021	https://www.bellingcat. com/news/uk-and- europe/2021/09/09/meet-the- far-right-fanatics-getting- hungarys-football-team-in- trouble/	Michael Colborne, a journalist who focuses on the transnational far-right, for Bellingcat	
Unmasked: Vessel identity laundering and North Korea's Maritime sanction evasion	Identification and investigation of several elaborate schemes to create fraudulent ship registrations with the international Martime Organisation (IMO). Per se not a journalism report but more a OSIMT research report, the work by C4ADS highlights the shortcoming and loopholes that allows for ship identify laundering. This in furn, can aid culprits and dictators to hide illegal shipping operations.	OSINT	Tools: the authors' aim is to explain how vessel identify laundering operations work and demonstrating how they can be detected using a Statist mostly not open-source for analysing historical AIS tracks, but often available in real time, via Marian Tarillia and many ottens as Nessesla-Finder MyShip Tracking Fleetmon Shipfinder Marine Traffic MyShip Tracking Fleetmon Shipfinder Marine Traffic Crustelhappen, seattlette manager (Parant), MiO registration Systems (GSISS)* public hash integrated Shipping Information (GSISS)* publicly available information (not sure what they are process of publicly available information (not sure what they are process of	Expose on how ship owners (if they are keen) can ships to misrepresent their registered, digital, and physical identities. The Mix O allows these loopholes to persist.	09/08/2021	Link of overview. Report	C4ADS, a 501(c)(3) nonprofit organization dedicated to data-driven analysis and evidence-based reporting of conflict and security issues worldwide	
Recent oil spills in central Yernen	Using a combination of local media, social media and satellite imagery to track oil spills in Yemen and how they are linked to conflict	GEOINT	Geolocation, shiptracking, data: Sat imagery (Google Earth, PlanetScope and Sentinel-2), social media footage, AIS ship tracking data	Drawing attention to the environmental impact of conflict	09/08/2021	https://ceobs.org/recent-oil- spills-in-central-yemen/	CEOBS, by Dr Eoghan Darbyshire	
Fellow Research: Inside the Shadowy World of Disinformation-for-hire in Kenva	Disinfo OSINT investigation into Twitter accounts that are "undermining Kenyan civil society", as authors write	SOCMINT	Among others tools, used Sprinklr, Twint, and Trendinalia.	Strong findings pointing to systemic blind spots in Twitter's move to stop larger political disinformation campaigns (11 different disinformation campaigns consisting of more than 23,000 tweets		https://foundation.mozilla. org/en/blog/fellow-research- inside-the-shadowy-world-of- disinformation-for-hire-in-	Mozilla Fellows Odanga Madung and Brian Obilo	
Covert Evacuations and Planned Demolitions: How the C.I.A. Left Its	Satellite image, fire/explosion and evacuation effort investigation of	GEOINT;	Data: <u>Planet Labs satelile imagery</u> , corporate records, active fire data and flight paths (flightradar24, tracking signal of helicopters) to assess how the evacuations and planned demolitions played out. Methodology of remote sensing for heat signatures	active fires and explosions." It's possible via VIIRS fire. detections. The NYT team also used open-source Flightradar24 information to showcase how evacuees were flown by helicopter		https://www.nytimes. com/2021/09/01/world/asia/cia- afohanistan-evacuations-	NYT's Christiaan Triebert	
Does Pic Show Healthcare Worker Who Treated COVID Patients	Eagle Base, Afghanistan. From viral picture without context to identifying and contacting the person	TECHINT	explained berg. Use OCR in Facebook Search to find more pictures of the same cardboard, this leads to more pictures with visual clues for geolocation which leads to context. Than you look for social media posts about this context and search for people who look similar. After identification we used beenverified com to find her	to Hamid Karzai Airport to avoid Taliban checkpoints. If a picture does not have useful visual clues, look for more pictures of the same person/objects. Cross reference between platforms: in this case an Instagram-profile was private, but we		demolitions.html https://twitter. com/brechtcastel/status/14316	Dan Mac Guil (Snopes), Andreas Søndergaard Petersen (TjekDet), Brecht.	
for '573 Days'? Anatomy of a crackdown	in the picture Geolocationing of video evidence and photos (mainly from TikTok, 20,000 videos of Myanmar's security forces) posted on social media that revealed that "heavy weaponry was used against protesters"	OSINT	telephone number. Datasources: AAPP, conflict/protest data by ACLED and IP. Qusernatory, Video verification of social media posts, local news and individual reports	found her on Etsy. The illustrations show where video footage was filmed and journalists tell an engaging tale about how military killed protesters. The verification of the various military-grade weapony used against civilian protesters that caused in a high number of casualities.	08/28/2021 08/25/2021	12326759829513 https://www.washingtonpost. com/world/interactive/2021/my anmar-crackdown-military- coup/	Castel (Knack Joyce Sohyun (Visual Forensics @washingtonpost).	
Logically Identifies GhostEzra, Florida Man Behind World's 'Largest Antisemilic Internet Forum'	Revealing the identity of a notorious antisemite by geolocation of photos posted on Telegram, identifying Google and Yelp review accounts, and ultimately finding an associated email and the person behind it After Taliban's takeover in AFG airlines avoided the country's airspace and effectively stopped using Afghan airspace, taking longer routes to avoid	GEOINT	Geolocation, gas prices, posting patterns	Smart use of gas prices to narrow down location of a gas station in one of the photographs. Overall great example of how geolocation can be used in an investigation. Holding to account someone who has escaped public scrutiny and responsibility so far.		https://www.logically. ai/articles/exclusive-ghostezra- florida-man-largest-antisemitic- forum	Logically, by Nick Backovic, Jordan Wildon and Joe Ondrak	
Infographic: Tracking the flights out of Kabul	the country.' Then, rescue flights resumed and #OSINT sources shared details on how many flights they encountered.	OSINT	Collection by Twitter account @DefenceGeek who says that data was collected via @fliightradar24, @ADSBexchange and @planefinder	Reporting around the flightdata and the maps of cancelled and departed flights	08/17/2021	https://www.aljazeera. com/news/2021/8/17/infograph ic-tracking-the-flights-out-of- kabul-interactive	DefenceGeek on Twitter	
Verifying footage of a Tibetan Prison with geolocation and OSINT	Using geolocation, horizon analysis, and media/image searches to complete a picture of a notorious prison known for political detention and torture in Tibet	OSINT/ GEOINT	Google, Bing, Yandex, Baidu, for information gathering and reverse image searches. Google Earth for satellite overviews, Baidu Maps for local imagery. NSO Group Pegasus Indicator of Compromise. Tools released.	Highlights verification methodology for a subject with local image censorship and misinformation.	08/16/2021	https://tompatrickjarvis. medium.com/verifying-footage- of-a-tibetan-prison-with- geolocation-and-osint- d830fo462411	Freelance journalist Tom Jarvis, Tibet Research Project contributors	
Forensic Methodology Report: How to catch NSO Group's Pegasus	Domain/URL analysis of NSO Group's Pegasus infrastructure	TECHINT	by the IOS security research community including libimobiledevice and checkra in were used as part of this, research. The authors would also like to thank Censys and. RiskIO for providing access to their internet scan and passive DNS data.	Cool: Amnesty International build a tool, Mobile Verification Toolkit (MVT), for checking mobile devices on malicious content	07/18/2021		Amnesty International	
	Analysis of social media posts to estimate the crowd size of a manifestation.	SOCMINT	Geolocate, proof you see the whole crowd on one photo, estimate density of the crowd & use, mapchecking.com	Using different footage to first geolocate and than verify the begin and end of a demo. This is crucial to proof you see the whole crowd and than you can use the brilliant tool. mapchesking.com	05/25/2021	https://www.knack. be/nieuws/factcheck/factcheck- nee-niet-ruim-10-000-mensen- liepen-in-optocht-tegen- coronamaatregelen/article- longread-1736521.html	Brecht Castel, Anthony Catel	
Number of Arabic Facebook groups about the Belarus-EU migration route doubles over summer	Video verification and #OSINT evidence from social media suggests new Facebook groups were created to facilitate people smuggling tothrough Belanus. Arabic-language Facebook groups concentrating on Belarus indicated a corresponding uptick in interest by Arab-speaking refugees and economic migrants. Groups tend to be private.	SOCMINT	Translation from Arabic to English with "Facebook built-in, translation toot." Video analysis of various videos showing staged scenes of Belarusian border quarte staking an incident." to claim that Lithuanian side had been violent with the refugees." Tools lies <u>Sowdust dailbuil oils—search</u> might have been used. Alternatively, there are some "advanced search operators" that work within Facebook (hegre the link to a guide).	Finding these groups with Google translations and operator searches is brilliant. The findings are strong: "People who end up in this no-man's land are unable to receive vital humanitarian assistance", puts urgency on the story. There are people who are suffering and looking for a way out, something these posts (and their screenshots) make painfully clear. The vitality clear developed overification is less thorough, party made difficult due to the quality of the vitality of their the original link)		https://medium. com/difiab/number-of-arabic- facebook-groups-about-the- belarus-su-migration-route- doubles-over-summer- 4be0c7a64619	DFRLabs/Atlantic Council	
Facebook account hacked? Here's how to get it back	This allows to understand how Facebook reacts to hackers compromising and selling account details of Facebook accounts and presents great background intel for OSINT investigators	SOCMINT	Tools like "HavelBeenPwned" are recommended. There is also an explainer on general Facebook's infrastructure, help-service and Facebook 2-factor verification features that hacker increasingly enable.	Not per se an OSINT investigation, rather a guide how to use open source tools to protect your OSINT work when researching and how to proceed if one's Facebook account gets hacked.	05/19/2021	https://www.wired.co. uk/article/facebook-account- hacked https://www.bellingcat.	WIRED's KATE O'FLAHERTY	
Where in the World is Q? Clues from Image Metadata	Using metadata of images to narrow down location of conspiracy theory leader	GEOINT, SOCMINT, Image metadata	Use of exif data tools, such as exiftool, Baidu Maps/Baidu street view for image verification, Stockimage platfrom Shutterstock, Google search (dorking)	Using the hidden data to hypotesise where the person was who posted the images	05/10/2021	com/news/rest-of- world/2021/05/10/where-in-the- world-is-q-clues-from-image-	Abigail W. Xavier, Robert Amour and the Q Origins Project	
Migrant Crisis: Boat used to cross the Channel traced to shipyard near Rotterdam	Tracking dinghy/boat of refugees arriving in Britain	OSINT	Mainly reverse image search and operator search	They found one dinghy traded 170 miles from where it was spotted in Britain (observed by helicopter media cameras), and then tracked down the person in the Netherland who sold it to the smugglers. They then also showed the security camera video floatage on the property of the same trader who was ripped off by people smugglers in 2019	05/10/2021	https://news.sky. com/story/migrant-crisis-boat- used-to-cross-the-channel- traced-to-shipyard-near- rotterdam-12403218	Sky OSINT journalists (Kieran Devine, Jack Taylor and Adam Parker, Data and Forensic Unit)	
In diesen Luxus floh Attila Hildmann vor der deutschen Justiz	Reverse geo-image search helped pinpointing the location (a property in Turkey) where Hildman fled prosecutors and more than 200.000 in debt in Germany	OSINT	Google/Bing/Yandex image search of property. Use of weather maps (probably Zoom Earth or another weather app with historical weather data) to confirm location in March. Also possible, to track Hidman's crypto wallets (see bare)	Great image search analysis: this was hard. Analysis of the background of the images (the flooring, the pool, the inside and outside of the property) this was well executed.	04/05/2021	https://www.t-online. de/nachrichten/panorama/krimi nalitaet/id. 89774694/attila- hildmann-in-der-tuerkei-in- diese-luxusvilla-floh-er-vor- deutscher-justiz.html	Published in various online magazines but the work was by 'Hildbusters'. a groups or individual on Twitter committed to expose Hildman's games.	

Content	Verification	Source (or archived link)	Screenshot	Date	Pro-RUS/Pro-UKR
Ukraine is a colony with a puppet regime - repeated here: https://www.dailymail.co.uk/video/news/video-2619849/Video-Putin-says-Ukraine-colony-puppet-	https://euvsdisinfo.eu/report/ukraine-is-a-colony-		Account to each featuring - Boronia describeding		
regime.html	with-a-puppet-regime	ru.armeniasputnik.am	OF THE STREET,	Feb 22 2022	Pro-RUS
https://perma.cc/X4SW-6DTD	https://factcheck.afp.com/doc.afp.com.32462Z7	TikTok	B China (4.14.0.2)	Feb 24 2022	Pro-UKR

Headline	OSINT angle	Category	Tools/data used	What's good?	Published	Link	Who's involved?
Benjamin Strick YouTube Tutorials	Conducting OSINT at home	OSINT, Geolocation	Google Earth, Reverse Image Search	Expert tuition from one of the biggest names in OSINT	February 2021	https://benjaminstrick. com/youtube/	Benjamin Strick
A Very Particular Set of Skills: Geolocation Techniques For OSINT and Investigation	Image analysis and Geolocation techniques	OSINT, Geolocation	EXIF data, Wikimapia, Reverse image search	Great overview beyond locating images from visual aspects alone. This goes into EXIF and metadata analysis as well as image content analysis.	July 1905	https://www.irongeek.com/l.php? page=wideos/circlecityc on2018/circle-city-con- 50-304-a-very- particular-set-of-skills- geolocation- techniques-for-osint- and-investigation-chris- kindig	Chris Kindig
Useful Google Sheets Functions for OSINT research	OSINT data management	OSINT, general	Google Sheets & Add- Ons	Highlights a number of tools and data management techniques to document research, and scrape information for data collection.	April 2021	https://tompatrickjarvis. medium.com/useful- google-sheets- functions-for-osint- research- 71337f1b5407	Tom Jarvis
Exposing the Invisible Guides	Expert guides on OSINT techniques	OSINT, general	several	Guides on a broad range of topics, including geolocation, web scraping, Google dorking and verification.	August 2021 (last update)	https: //exposingtheinvisible. org/en/educate	Exposing the Invisible / Tactical Tech



Index	Tweet content	What's good?	Category	Link	Image/video footage
	I am excited to announce SMAP-HydroBlocks: The first #satellite-based surface #SoilMoisture dataset at 30-m resolution for the United States SatelliteDropletNational park Data is #OpenAccess and peer-review paper is available @ScientificData	offers potential for OSINT research and climate-related journalism investigations	Satellite data	https://twitter. com/NVergopol an/status/14479 6892370720768 1	The state of the s
	Eight years later, we're still innovating new ways to uncover threat networks through PAI, from how chemical weapon precursors get into Syria to how conflict coal from Uhraine gets into global supply chains. (Check out https://cdads.org/blogposts/2020/5/26/black-earth and https://c4ads.org/blogposts/2019/6/25/the-handasieh-network) 6/6	Exposing of large government contractors and freight companies who were deeply interconnected with the highest levels of Russian and Ukrainian governments	OSINT	https://twitter. com/CAADS/sta tus/1447926611 232362510	The Odessa Network Negrin January of human radius of Chramas Arma Tradius Arma Tradius Tradius Arma Tradius Tradius Arma Tradius Tradius Arma Tradius Tradius Tradius Arma Tradius Tradiu
	Facebook page "Coronavirus is a bioweapon". In the image below, you see the typical behavior of a "ghost" entity: they make a big entrance, but	Expainer/tutorial useful for		https://witter. com/henkvanes s/status/144786	Investigate China's Bioweapon Labs in Wuhan Coronavirus Outbreak covid-19 FOLLOWER TYPE Followers SHOW BY Total FOLLOWER TYPE Page Likes SHOW BY Total FOLLOWER TYPE Page Likes SHOW BY Total
	no one pays attention a day later. Following/liking numbers remain flat after the first day. Such behavior indicates the use of a bot. 1/ For years, the EU's most violent pushbacks have been conducted by men in balaclava. We spent months investigating - who are the masked men? This THREAD unpacks our investigation's findings & methods on pushbacks from Croatia, Romania, and Greece borders	Further OSINT evidence for illegal push backs. Thread is picking more visual details like the clothing of the men part of the	Disinfo; Google Dorking OSINT, reverse image search,	0335369048065 2s=20 https://twitter. com/lackSapoc	
	CW: Police violence Lots of bad takes and speculation on the #oil #spill in Southern California. Or, you could use GIS and #satellite and other sensors to do some sleuthing. I predict the cargo ship on the left gets wrapped into the investigation. 33.6539°N , 118.1089°W	police' Great use of geolocation and night light satellite images to establish facts in the California pipeline spill from last week (also involved AIS tracking via Marine Traffic, here). Uses modified Copernicus Sentinel data, 2021, EO Browser	GEOINT, satellite images	https://witter.com/ai6yrham/s tatus/1445297 28292925517	Instruction of the state of the



Index	Tweet content	What's good?	Category	Link	Image/video footage
10		Geolocation analysis of titkok video, pinpointing the location for the Helendale Radar Cross Section Facility	GEOINT, satellite images	https://twitter. com/rubenhofs/ status/1440594 8394819461292 s=20	Heards #3.5 red target
11	THREAD: *18/ Via OSINT and procurement contracts we were also able	Combination of OSINT techniques, including geolocation, social media analysis, and regular reporting.	GEOINT, satellite images, SOCMINT	https://twitter.com	18 / Van GSINT and procurement contracts we were also able to make conclusions about the network of private accommodations that are contracted for Croatian border authorities while on deployment.
12	TikTok's algorithm took my account from transphobic videos to extremist	Straightforward methodology to track content suggestions on TikTok and other platforms. (Could be replicated for other issues)	social media, sockpuppet accounts	https://twitter. com/abbieasr/st atus/144588830 5997000705	Trends in Tail All Yes Tru F yes CPT the summers 100 mile programmed with transplace content 10

Have stories we should list, submit them here (Google form)

https://docs.google. com/forms/d/e/1FAlpQLSfEEkd_MmoRC0JQ2CSfaGymgtTYUTTu UyT8kNKmstzrPK7n_w/viewform