ADVANCED COURSE ON VERIFICATION AND NEW NARRATIVES ON FACT CHECKING FOR NAMIBIAN JOURNALISTS

Windhoek, Namibia 7-9 June 2022

#PeriodismoÁfrica



ORGANIZED BY:





MED A PARTNERS:









PHOTO AND VIDEO VERIFICATION TO AVOID DISINFORMATION

Class content

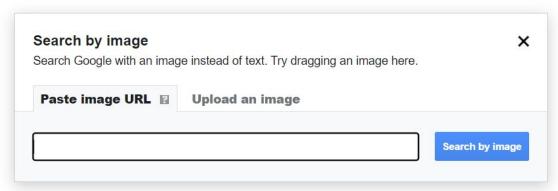
- Photo verification tools
- Video verification tools
- Audio verification
- OSINT (Open Source Intelligence)
- Geolocation

Google Reverse Image Search



Google Reverse Image Search





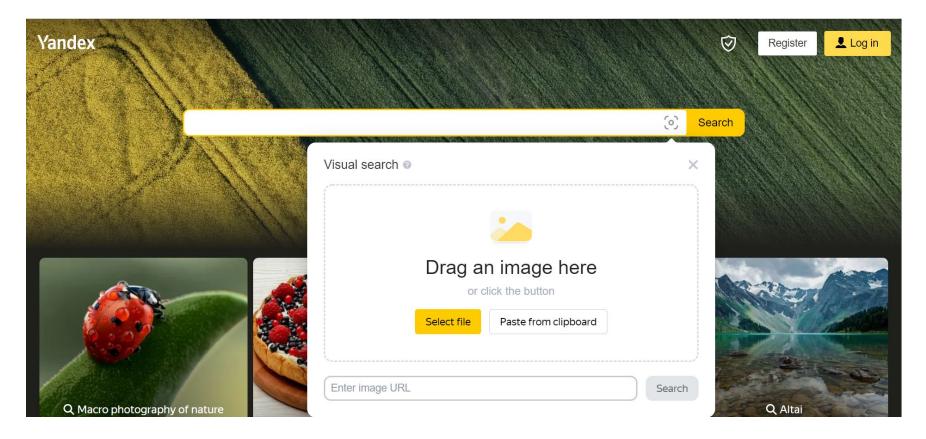
Google Reverse Image Search

To perform the reverse Google search, there are different options. One of them is to save the image and then insert it into the camera icon that can be found in Google Images by clicking on the "Upload an image" option.

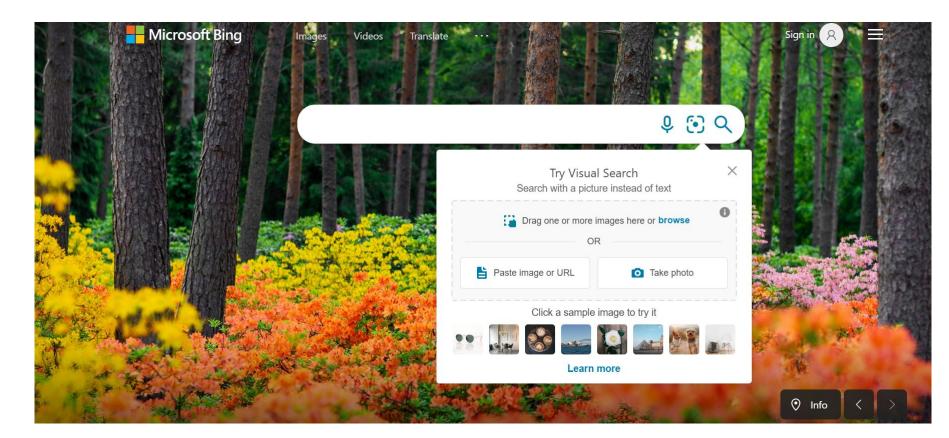
The search engine will give us different results in which the same image has been used, which will allow us to find out whether the photo is current or not and to know **more context** about it.

If we find the same image, for example, in a news article from another country published years ago, we can get a first indication that it has been taken out of context.

Yandex Reverse Image Search



Reverse Image Search - Bing



Reverse Image Search - TinEye



Reverse Image Search



This photo was shared this year in connection with the Russian invasion of Ukraine, along with messages claiming that the image was taken in Ukraine.

Reverse Image Search

Páginas con imágenes que coinciden con la búsqueda

https://www.nytimes.com > espanol > gaza-israel-alto-fuego

Fuego cruzado frustra la posibilidad de un cese de ...

1024 × 692 · 9 ago 2018 — More in The New York Times en Español.



https://colombiacheck.com > chequeos > publicaciones-... ▼

Publicaciones de "guerra en Ucrania" usan dos fotos de ...

1182 × 920 · 23 feb 2022 — MAHMUD HAMS / AFP". Foto de AFP en Gaza. Esta imagen ha sido usada por medios de comunicación como el New York **Times** en **Ia** nota "Fuego cruzado ...



Reverse Image Search

The New Hork Times

MEDIO ORIENTE

Fuego cruzado frustra la posibilidad de un cese de hostilidades en Gaza

Give this article



Por Isabel Kershner 9 de agosto de 2018

Read in English



Un ataque aéreo israelí en Gaza, el miércoles Mahmud Hams/Agence France-Presse

Result: The imagen was from Gaza in 2018

Los Angeles Times

Fighting between Israel and Hamas escalates on the Gaza border



A fireball explodes during Israeli airstrikes in Gaza City on Aug. 8, 2018. (Mahmud Hams / AFP/Getty Images)

BY NOGA TARNOPOLSKY AUG. 8, 2018 3:25 PM PT

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Putin's fears of a unified, stronger Europe are fast becoming a self-fulfilling prophecy

WORLD & NATION

West prepares to fast-track weapons to Ukraine;

The work does not end with the reverse image search (it has only just begun)

- Do not stay with the first results in Google or Yandex
- Search for the image in question within the publications that the search offers
- Identify if there is an author of the image
- Contact the author of the image and corroborate
- Search for news of the time on the subject that places the image in a certain context
- Sometimes you don't get an inmediate result (keep trying)

Image alterations - Other tools

Reveal

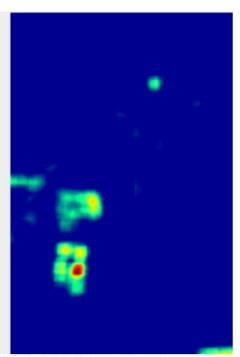
FotoForensics

Forensically

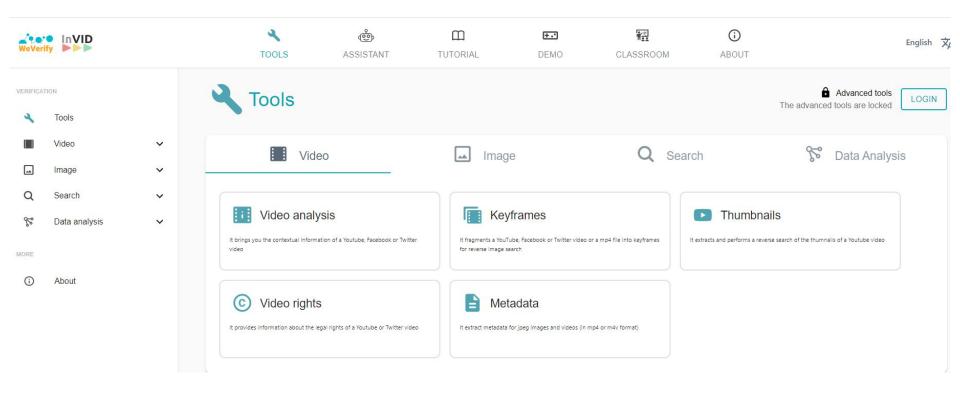
InVid-WeVerify

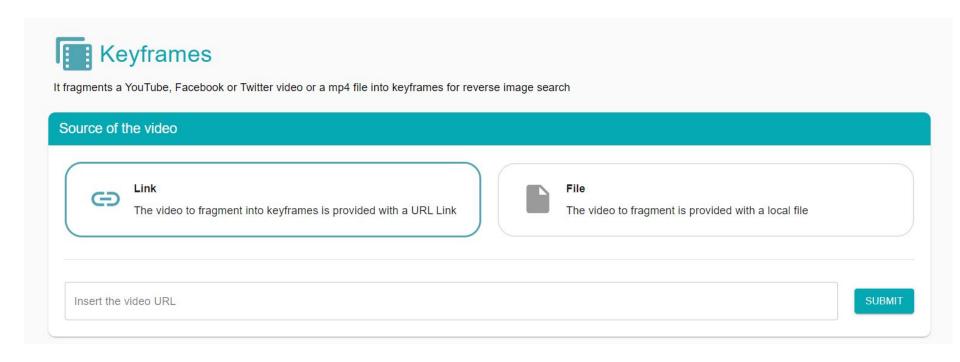
Image analysed with Forensically





Analisis realizado con Reveal sobre una imagen manipulada de un soldado. El area de calor indica donde es probable que se haya producido algun manipulación en la imagen.



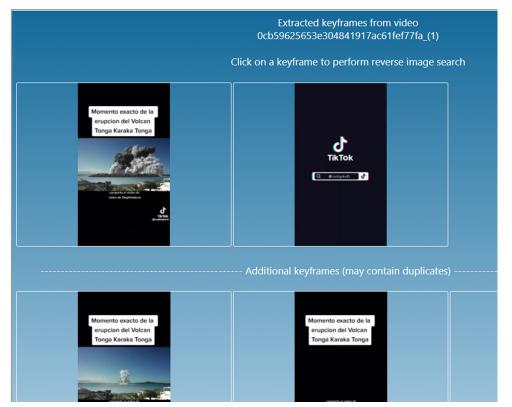


- Install InVid-WeVerify as an extension or plugin
- Download video you want to verify in your computer (or search for a link on YouTube)
- Upload to InVID
- Video Keyframes
- File Upload video
- Reverse keyframe search



Mesage: "Exact time of the eruption of the Tonga volcano"

Published: January 2022 in YouTube and Twitter



Páginas con imágenes que coinciden con la búsqueda

https://espaja.com > verifications > este-video-correspon... ▼

¿Este video corresponde a la erupción del volcán submarino ...

539 × 822 · 21 ene 2022 — ... y no a las imágenes de la erupción del volcán submarino en Tonga, ... del "momento exacto de la erupción del volcán Tonga Karaka Tonga", ...



https://www.excelsior.com.mx > trending > falso-video-... •

¡Falso! Este video que circula en redes no se la erupción en ...

800 × 600 · 19 ene 2022 — Unas 84 mil personas, más del 80% de la población de las Islas Tonga, se han visto afectadas por la **erupción del volcán Tonga**-Hunga Ha'apai ...



https://www.youtube.com > watch

Auckland Museum Volcano Simulation - YouTube

 $320 \times 180 \cdot 18$ dic 2019 — This is an educational simulation of an earthquake caused by a volcanic **eruption**. It is also featured in our onsite Volcanoes Gallery, ...





Auckland Museum Volcano Simulation - Auckland Museum

103.823 visualizaciones • 19 dic 2019 • This is an educational simulation of an earthquake caused by a volcanic eruption. It is also featured in our posite Volcanoes Gallery, you can read more about this gallery here: https://www.aucklandmuseum.com/visit/...

787 √ No me gusta 🖒 Compartir 😑 Guardar .

The Tonga volcano erupted on 15 January 2022, triggering a tsunami that has hit the island's coastline.

The video, however, does not show this volcano. Is a computer simulation made by the Auckland War Memorial Museum in New Zealand.

The challenge of audio verification - Some tips

- Does the person who is speaking identify him/herself (WHO)
- Does he/she give any reference or clue as to the date on which he/she recorded the message (WHEN)
- Does he/she give any reference or clue as to the place where what he/she is saying is taking place (WHERE)?
- Is there any institution, company or person mentioned in the audio that we can corroborate with?
- Are his statements verifiable beyond the fact that we do not know who is saying them? (WHAT)

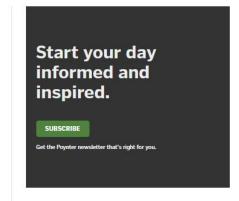
The challenge of audio verification





Meet Forensia, a software ready to debunk fake WhatsApp audio files





The challenge of audio verification - Forensia

- Launched by the Laboratory of Sensory Research, part of Argentina's National Council of Scientific and Technical Research (Conicet)
- Argentine fact-checker **Chequeado** wanted to verify a controversial audio file from an argentinian politician that was spreading on WhatsApp and other social media. Chequeado needed to confirm if the voice heard was actually from congressman Guillermo Montenegro.
- The research scientist received the WhatsApp file and asked fact-checkers to provide other real audio files from Montenegro's voice. He plugged all of them into Forensia and, in a few minutes, concluded there very little chances of that voice being Montenegro's. On a scale that ranges from -5 to +5, the audio clip was graded -1.
- **Problems**: it's **expensive** and not always absolutely conclusive (it's a **probability**)