

#Disinfo2021



WeVerify highlights

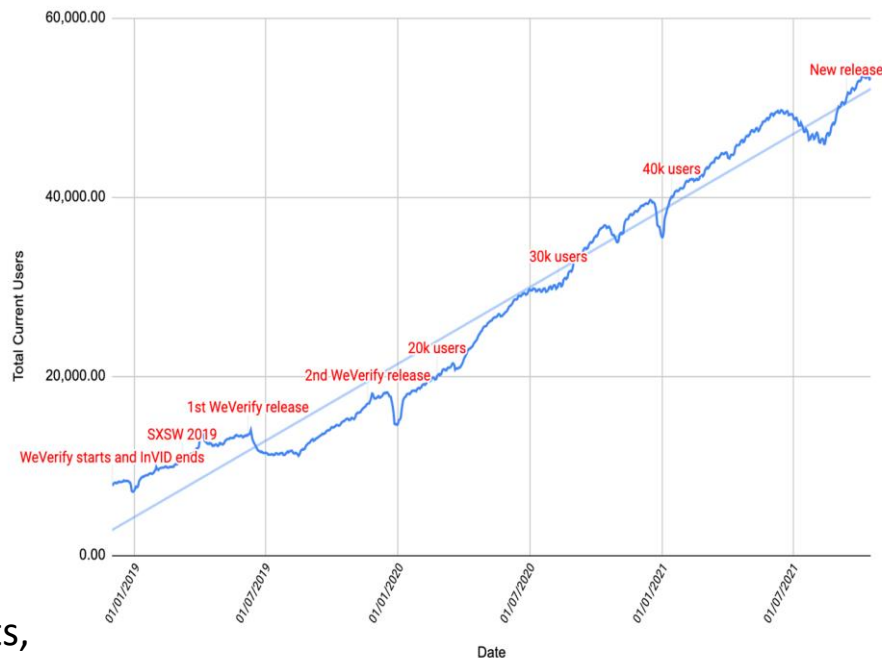
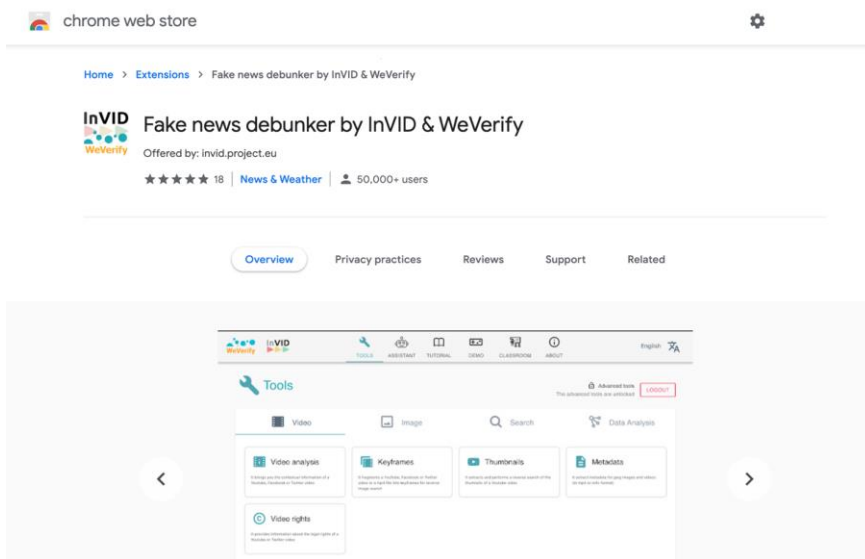
Denis Teyssou (AFP; @dteyssou)

3 years of innovation action tackling disinfo



Verification plugin

Verification plugin weekly users



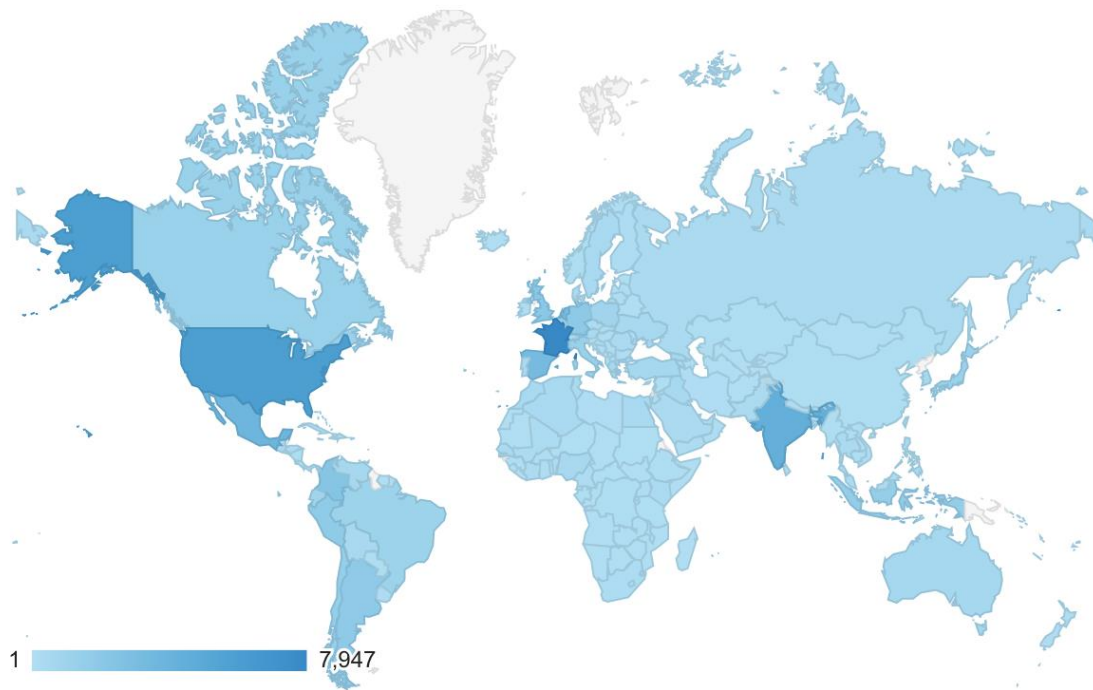
53k users worldwide (Fact checkers, journalists, human rights defenders, teachers and scholars, NGOs and government organisations)



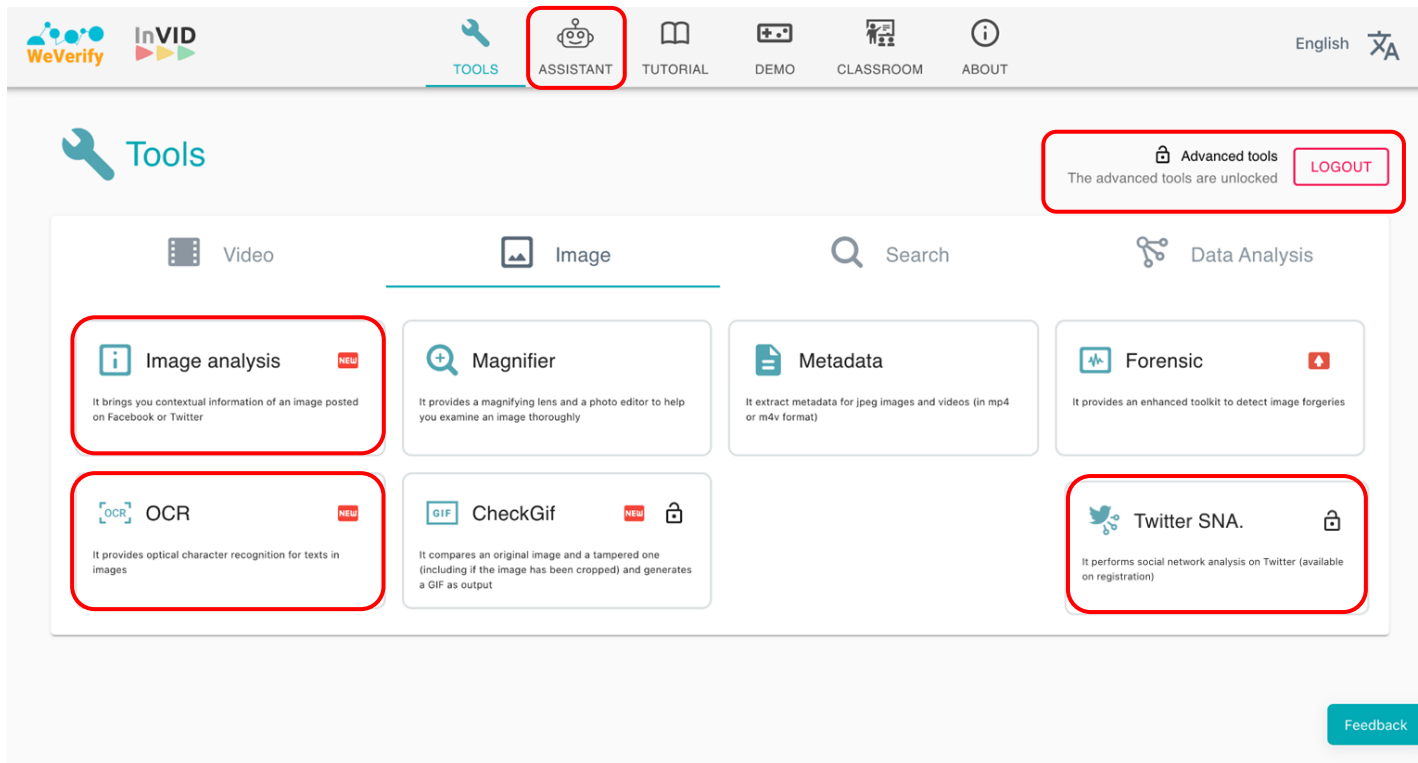
The WeVerify project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825297

Used worldwide: 202 countries

1.  France
2.  United States
3.  India
4.  Mexico
5.  Spain
6.  Netherlands
7.  Colombia
8.  United Kingdom
9.  Germany
10.  Argentina



New features available now



The screenshot displays the WeVerify InVID web application interface. The top navigation bar includes the WeVerify logo, the InVID title, and a menu with icons for TOOLS, ASSISTANT (highlighted with a red box), TUTORIAL, DEMO, CLASSROOM, and ABOUT. The language is set to English. The main content area is titled 'Tools' and features a grid of tool cards. The 'Image' category is selected. The following tool cards are highlighted with red boxes:


- Image analysis** (marked 'NEW'): It brings you contextual information of an image posted on Facebook or Twitter.
- OCR** (marked 'NEW'): It provides optical character recognition for texts in images.
- CheckGif** (marked 'NEW' and with a lock icon): It compares an original image and a tampered one (including if the image has been cropped) and generates a GIF as output.
- Twitter SNA** (with a lock icon): It performs social network analysis on Twitter (available on registration).

Other visible tool cards include:


- Magnifier**: It provides a magnifying lens and a photo editor to help you examine an image thoroughly.
- Metadata**: It extract metadata for jpeg images and videos (in mp4 or m4v format).
- Forensic** (marked 'NEW' and with a lock icon): It provides an enhanced toolkit to detect image forgeries.

In the top right corner, a red box highlights the 'Advanced tools' section, which states 'The advanced tools are unlocked' and includes a 'LOGOUT' button. A 'Feedback' button is located in the bottom right corner.

The Assistant

InVID

TOOLS

ASSISTANT


GUIDE


DEMO

CLASSROOM


FACT CHECK


ABOUT

English 


Assistant

The assistant will help you to analyse a webpage, an image or a video file and suggest which WeVerify tools are useful for each case

Choose what you want to analyse 

**Webpage link**

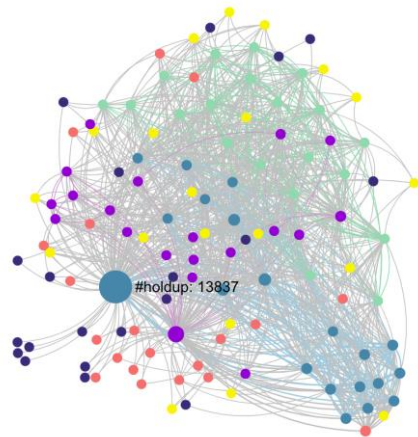
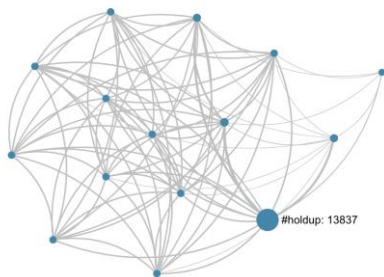
Insert the link of a webpage, and the assistant will suggest the most useful tools for the contents of the given page.

**Local file**

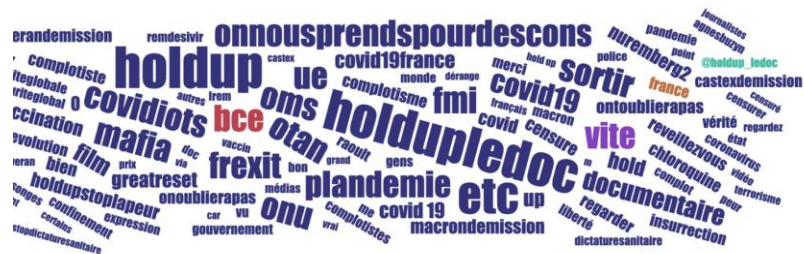
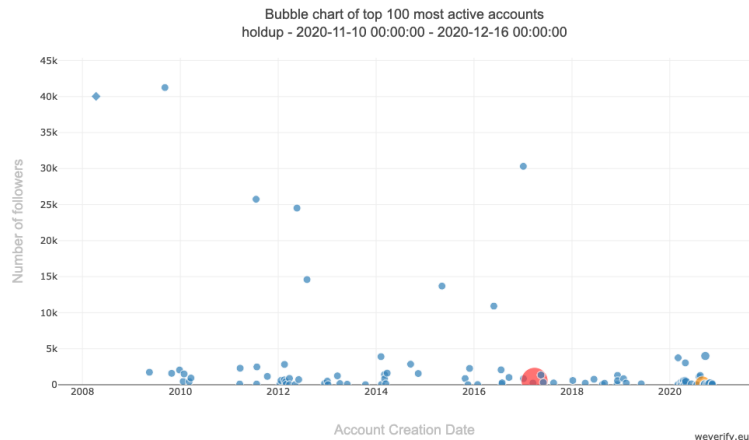
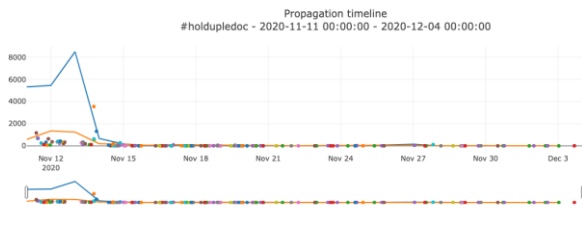
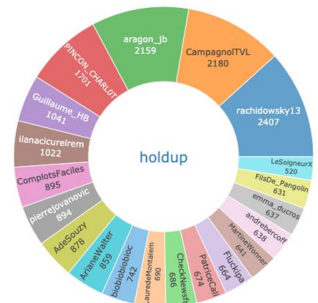
The assistant will suggest the most useful tools depending on if the file is a video or image

Feedback

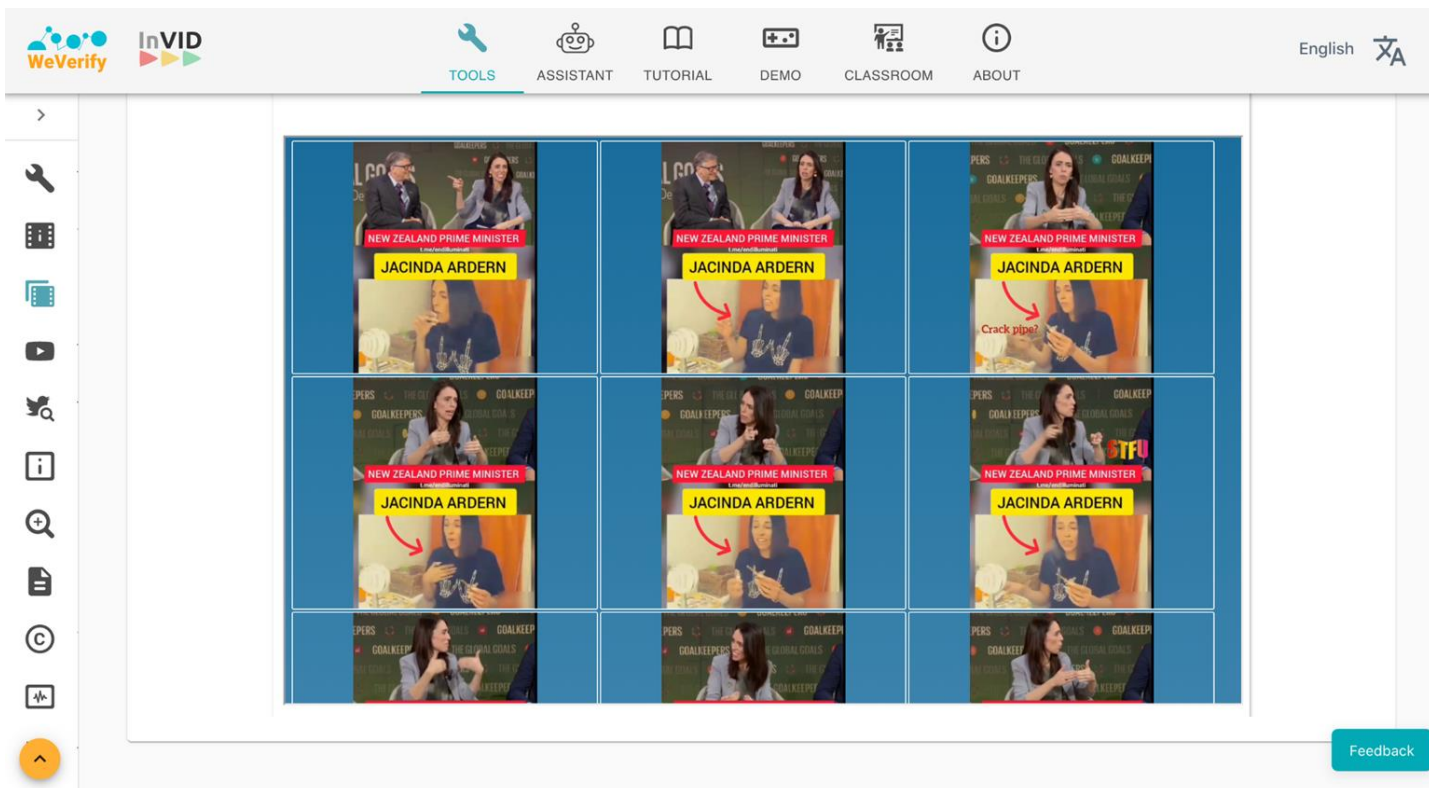
Social network analysis



Most retweeted users
#holdup - 2020-11-11 00:00:00 - 2020-11-14 15:00:00

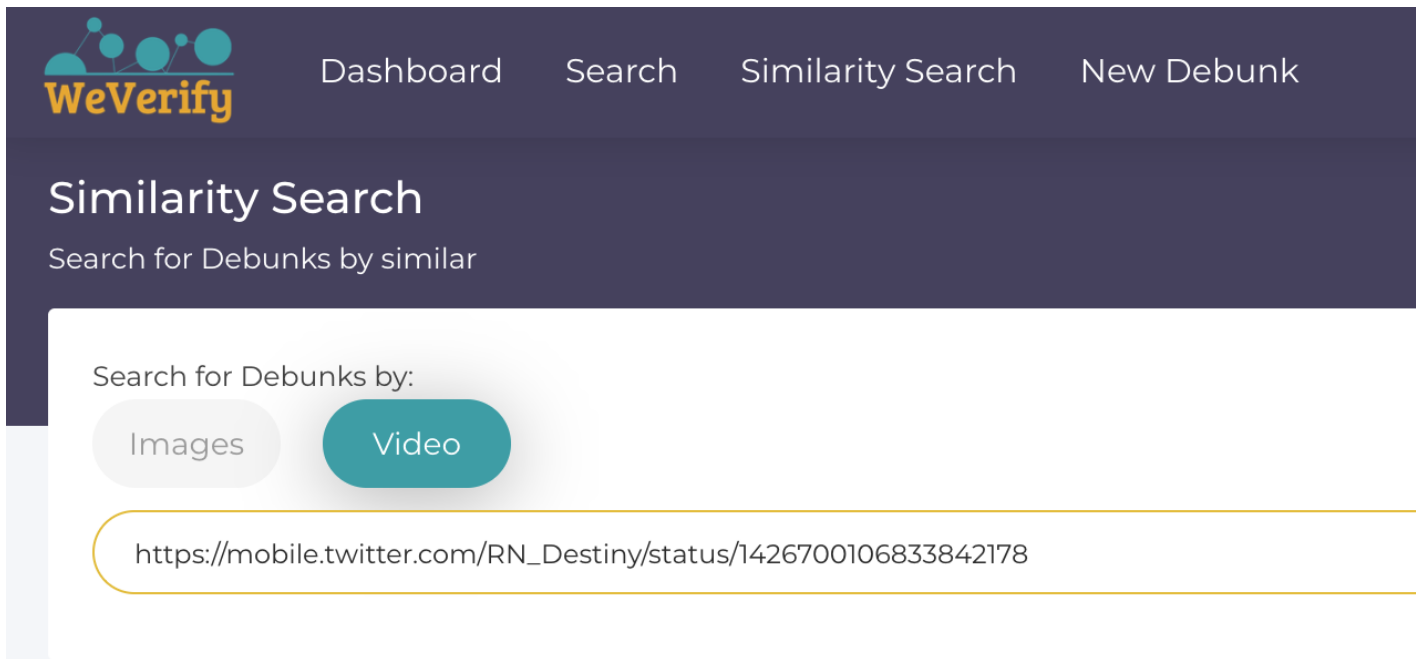



Database of known fakes



The screenshot displays the InVID web application interface. At the top, there is a navigation bar with the WeVerify logo, the InVID logo, and a menu with options: TOOLS, ASSISTANT, TUTORIAL, DEMO, CLASSROOM, and ABOUT. The language is set to English. On the left side, there is a vertical toolbar with various icons for video analysis. The main content area shows a 3x3 grid of video thumbnails. Each thumbnail is a still from a video, featuring Jacinda Ardern. The thumbnails are labeled 'NEW ZEALAND PRIME MINISTER' and 'JACINDA ARDERN'. Red arrows in some thumbnails point to specific features, and one thumbnail has the text 'Crack pipe?'.

Database of known fakes

A screenshot of the WeVerify website's "Similarity Search" page. The page has a dark blue header with the WeVerify logo and navigation links: "Dashboard", "Search", "Similarity Search", and "New Debunk". Below the header, the title "Similarity Search" is displayed in white, followed by the subtitle "Search for Debunks by similar". The main content area is white and contains a search form. The form has a label "Search for Debunks by:" and two buttons: "Images" (light gray) and "Video" (teal). Below the buttons is a text input field containing the URL "https://mobile.twitter.com/RN_Destiny/status/1426700106833842178".

 Dashboard Search Similarity Search New Debunk

Similarity Search

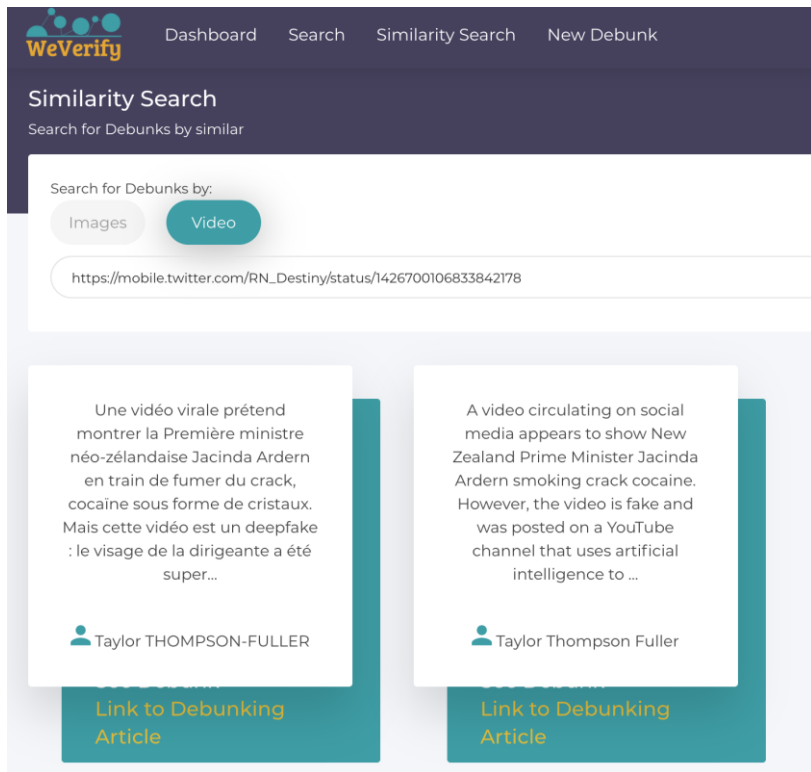
Search for Debunks by similar

Search for Debunks by:

Images Video

https://mobile.twitter.com/RN_Destiny/status/1426700106833842178

Database of known fakes



WeVerify Dashboard Search Similarity Search New Debunk

Similarity Search

Search for Debunks by similar

Search for Debunks by:

Images Video

https://mobile.twitter.com/RN_Destiny/status/1426700106833842178

Une vidéo virale prétend montrer la Première ministre néo-zélandaise Jacinda Ardern en train de fumer du crack, cocaïne sous forme de cristaux. Mais cette vidéo est un deepfake : le visage de la dirigeante a été super...

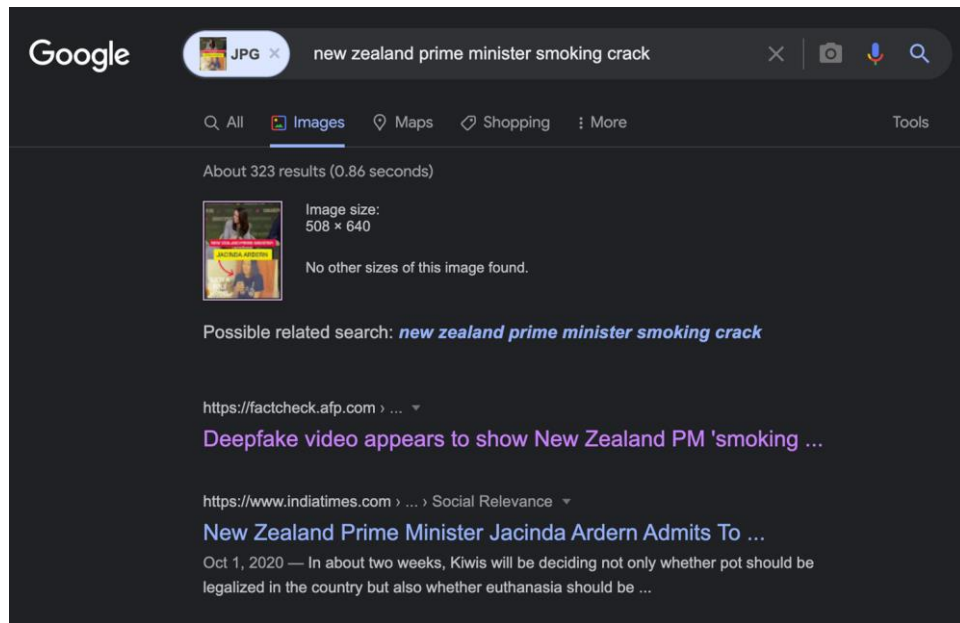
Taylor THOMPSON-FULLER


[Link to Debunking Article](#)

A video circulating on social media appears to show New Zealand Prime Minister Jacinda Ardern smoking crack cocaine. However, the video is fake and was posted on a YouTube channel that uses artificial intelligence to ...

Taylor Thompson Fuller

[Link to Debunking Article](#)



Google  new zealand prime minister smoking crack

Q All **Images** Maps Shopping More Tools

About 323 results (0.86 seconds)




Image size: 508 x 640

No other sizes of this image found.

Possible related search: [new zealand prime minister smoking crack](#)

<https://factcheck.afp.com> > ...

[Deepfake video appears to show New Zealand PM 'smoking ...](#)

<https://www.indiatimes.com> > ... > Social Relevance

[New Zealand Prime Minister Jacinda Ardern Admits To ...](#)

Oct 1, 2020 — In about two weeks, Kiwis will be deciding not only whether pot should be legalized in the country but also whether euthanasia should be ...

Database of known fakes



AFP Fact Check



TOP NEWS

REGIONS

TOPICS

Deepfake video appears to show New Zealand PM 'smoking crack'

[Taylor Thompson Fuller, AFP New Zealand and Pacific Islands](#)



Published on Thursday 7 October 2021 at 11:38

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A video circulating on social media appears to show New Zealand Prime Minister Jacinda Ardern smoking crack cocaine. However, the video is fake and was posted on a YouTube channel that uses artificial intelligence to make deepfakes of Kiwi politicians and celebrities.



Optical Character Recognition (OCR in images)


InVID

 TOOLS
  ASSISTANT
  TUTORIAL
  DEMO
  CLASSROOM
  ABOUT

English 

Image Analysed



Complete Text

n4 ইসকন ইসকনে নৃশংস হত্যার বিচার চাই হামলা বিচার চাই কেন প্রশাসন জবাব চাই ইসকন ভক্ত নৃশংস হত্যার বিচার চাই বিচার চাই

 COPY TO CLIPBOARD
  TRANSLATE

Blocks



ইসকন ইসকনে নৃশংস হত্যার বিচার চাই হামলা বিচার চাই কেন প্রশাসন জবাব চাই

Bengali



ইসকন ভক্ত নৃশংস হত্যার বিচার চাই বিচার চাই

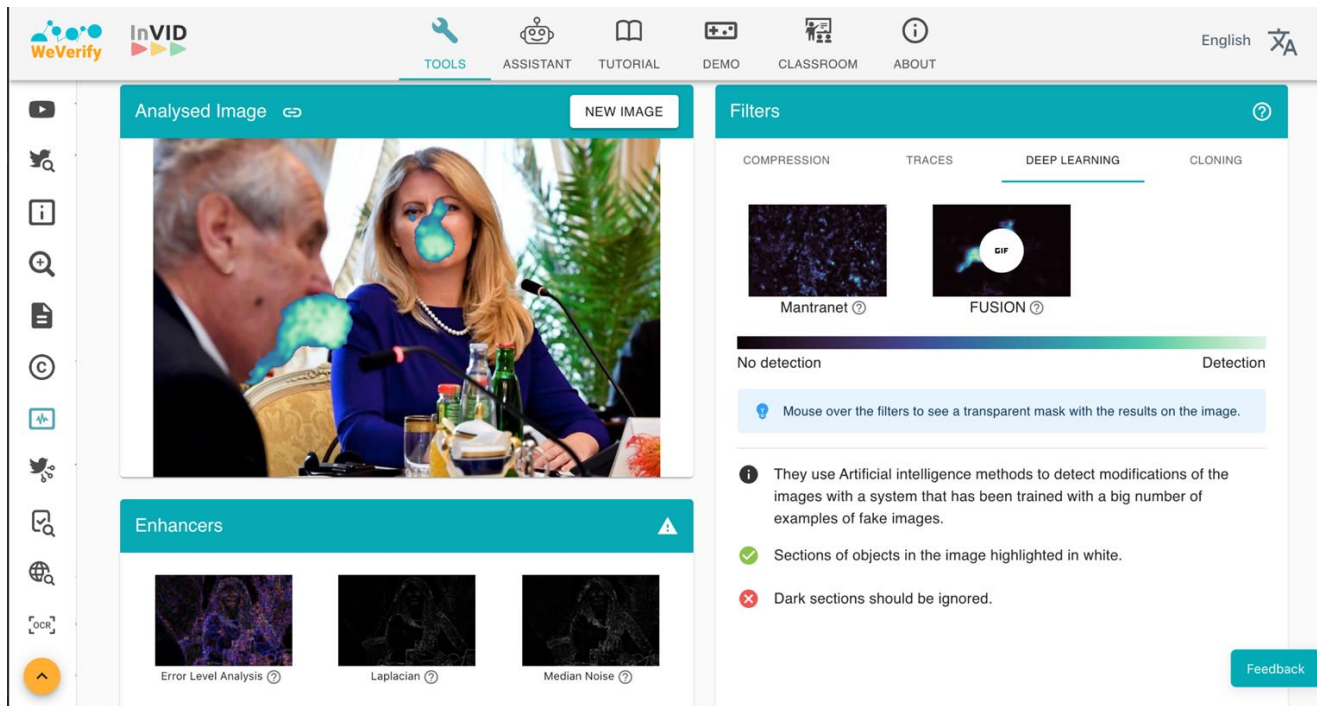
Bengali

Open innovation



EnVisu4



The screenshot displays the InVID web application interface. The top navigation bar includes icons for TOOLS, ASSISTANT, TUTORIAL, DEMO, CLASSROOM, and ABOUT, along with a language selector set to English. The main content area is divided into three sections:

- Analysed Image:** Shows a photograph of a woman at a press conference with blue and green heatmaps overlaid on her face and the background, indicating detected modifications.
- Enhancers:** Displays three thumbnails for different image processing techniques: Error Level Analysis, Laplacian, and Median Noise.
- Filters:** Features a 'DEEP LEARNING' tab with two filter options: 'Mantrantet' and 'FUSION'. Below these is a color scale from 'No detection' (dark) to 'Detection' (light). A tooltip explains that the system uses artificial intelligence to detect modifications and that white sections indicate detected objects, while dark sections should be ignored.

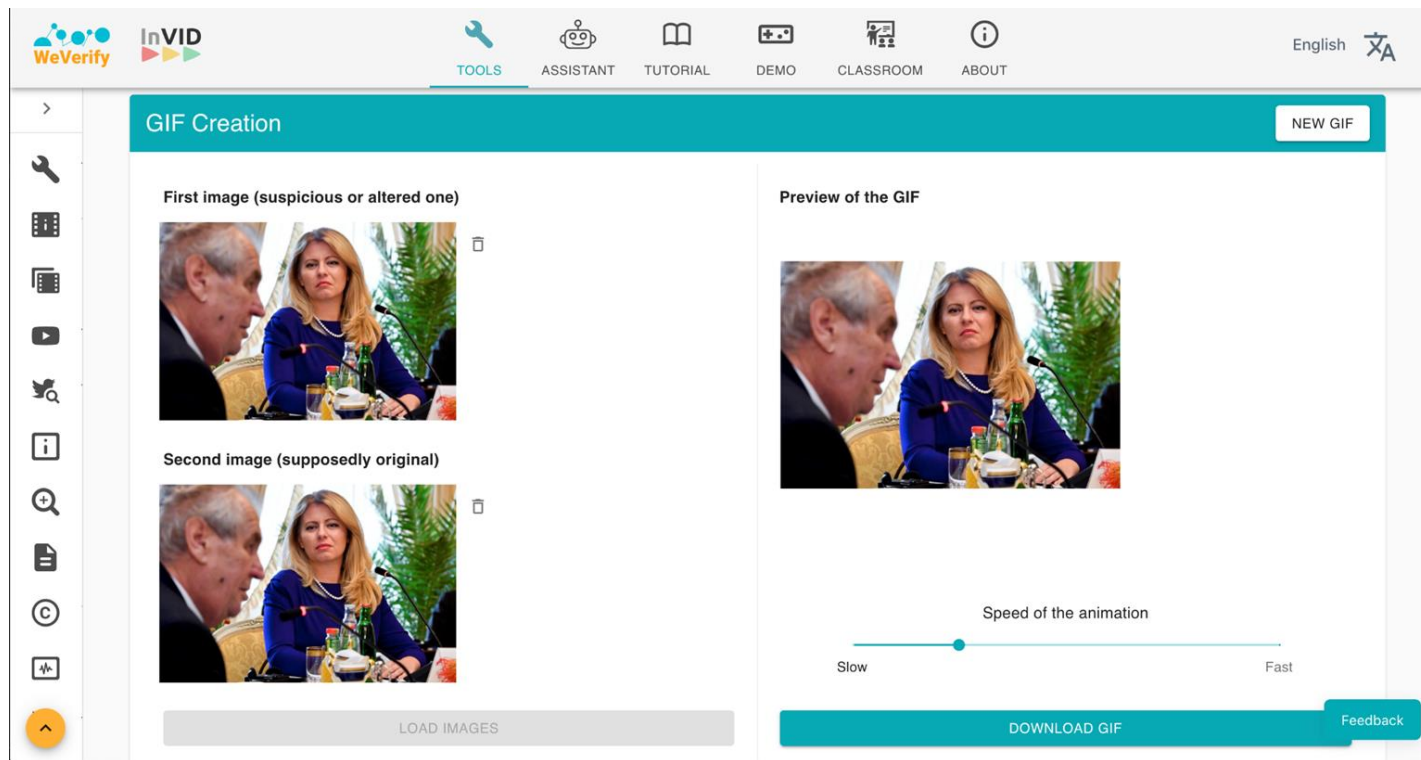
A 'Feedback' button is located in the bottom right corner of the interface.



A new forensic feature: CheckGIF



EnVisu4



The screenshot shows the InVID web interface for GIF creation. The top navigation bar includes the WeVerify logo, InVID branding, and a menu with options: TOOLS, ASSISTANT, TUTORIAL, DEMO, CLASSROOM, and ABOUT. The language is set to English. The main area is titled "GIF Creation" and features a "NEW GIF" button. On the left, a vertical toolbar contains icons for various functions. The main workspace is divided into two columns. The left column shows two image thumbnails: "First image (suspicious or altered one)" and "Second image (supposedly original)", both depicting a man and a woman at a table. Below these is a "LOAD IMAGES" button. The right column shows a "Preview of the GIF" of the same scene. Below the preview is a "Speed of the animation" slider, currently set between "Slow" and "Fast". At the bottom right, there is a "DOWNLOAD GIF" button and a "Feedback" link.



Revealing visual manipulation



EnVisu4



Any question ?

www.weverify.eu

[@WeVerify](#)

[@dteyssou](#)

Thank you for your attention!



Disclaimer: This presentation reflects the views only of the author(s), and the Commission cannot be held responsible for any use, which may be made of the information contained therein.

The WeVerify project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825297