

# VIDEO DEEPPFAKE DETECTION SERVICE

developed by CERTH



**AIM OF THE TOOL** This service integrates two complementary deepfake detection models. The first is a frame-level FaceSwap detector that analyses cropped faces using visual information and outputs a probability score indicating whether the frame is a deepfake. The second is a Person-of-Interest (POI)-based detector that compares audio-visual biometric and behavioral features of the person in the video against a few reference samples. It detects inconsistencies that reveal manipulation or synthetic generation.

## MORE INFORMATION

The models powering the Video Deepfake detection service are comprehensively described in vera.ai Deliverable [D3.2 Multimodal deepfake and manipulation analysis methods](#)

**ACCESS TO THE TOOL** The first detector is accessible through the Verification plugin (accessible to users with advanced tools enabled) and Truly Media.

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