

The Flemish Scrollers, 2021 – 2026

Automatically tagging Belgian politician when they use their phone on the daily livestreams. With the help of AI.

How does it work?

Every meeting of the flemish government in Belgium is live streamed on a [youtube channel](#). When a livestream starts the software is searching for phones and tries to identify a distracted politician. This is done with the help of AI and face recognition. The video of the distracted politician are then posted to a [Twitter](#) and [Instagram](#) account with the politician tagged.



Software

The software is written in Python and is using machine learning to detect phones and facial recognition to identify the politician. The software started running on July 5, 2021. If there is no live meeting the software will check older uploaded videos on the YouTube channel.

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```
The Flemish Scrollers by Dries Depoorter LIVE
[08:53:01] {
  'YouTubeData': {
    'VlaamsParlement_Live': True,
    'LatestURL': 'https://www.youtube.com/watch?v=7zL55cpZenM',
    'Title': '02-07-2021 - middagvergadering (PFAS-PFOS)'
  },
  'ObjectDetection': {
    'frame': 92032,
    'phone': [{"location": {"y": 270, "x": 326, "height": 122, "width": 120}, 'confidence': 0.72323932601}],
    'face': [
      {
        'location': {"y": 170, "x": 301, "height": 110, "width": 100},
        'confidence': 0.87123225423,
        'closeToPhone': True,
        'facialRecognition': [
          {
            'Bart Tommelein': {'confidence': 0.8842, 'Twitter': '@barttommelein'},
            'Björn Rzoska': {'confidence': 0.2292, 'Twitter': '@bjornrzoska'},
            'Koen Van den Heuvel': {'confidence': 0.1223, 'Twitter': '@kvdHeuvel_VP'}
          }
        ]
      }
    ],
    'TwitterAPI': {'live': True, 'lastTweet': '2021-07-03T10:25:43.511Z', 'video_folder': 'results'},
    'fireStore': {'status': 'connected'},
    'FFmpeg': {'status': 'ready', 'start': None, 'stop': None}
  }
}
```

Object Detection: Keras

Face Recognition: Keras

Twitter API

FFmpeg for video editing with code

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The Flemish Scrollers @FlemishScroller · Jul 5, 2021

Dear distracted [@JanJambon](#), pls stay focused!

...



After I made the software I was invited for an exhibition in Switzerland and I made a custom made server that is running the software and is showing the process and the results:

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