



*Widen **E**uropean **A**ccess
to Cultural Communities
Via **E**uropeana*

The WEAVE Toolkit



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Motion Notes

NOVA University Lisbon

MOTION NOTES_{beta}

Tool URL:

motion-notes.di.fct.unl.pt



NOVA SCHOOL OF
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Edit: Select All, Deselect All, Undo, Redo

View: Annotation tracks..., Animate annotations, Tools, Toolets, Enter/Exit full screen

Settings: Marks, Preferences

File: Available videos, Import, External URL

Help: Tutorial

Authenticated user info, user settings, logout

Annotation tools:

Recording mode

- Normal
- Delayed
- Suspended

Draw

Text

Audio

Link

Mark

Switch camera

Video controls

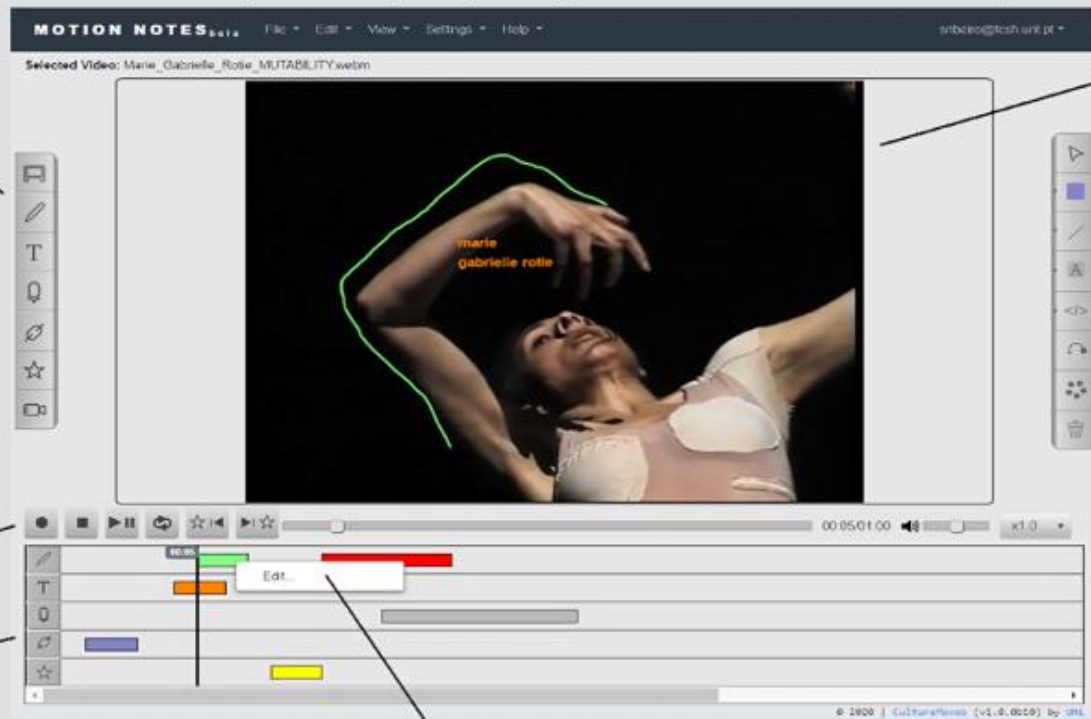
Annotation tracks

Video/Canvas area

Annotation "toolets":

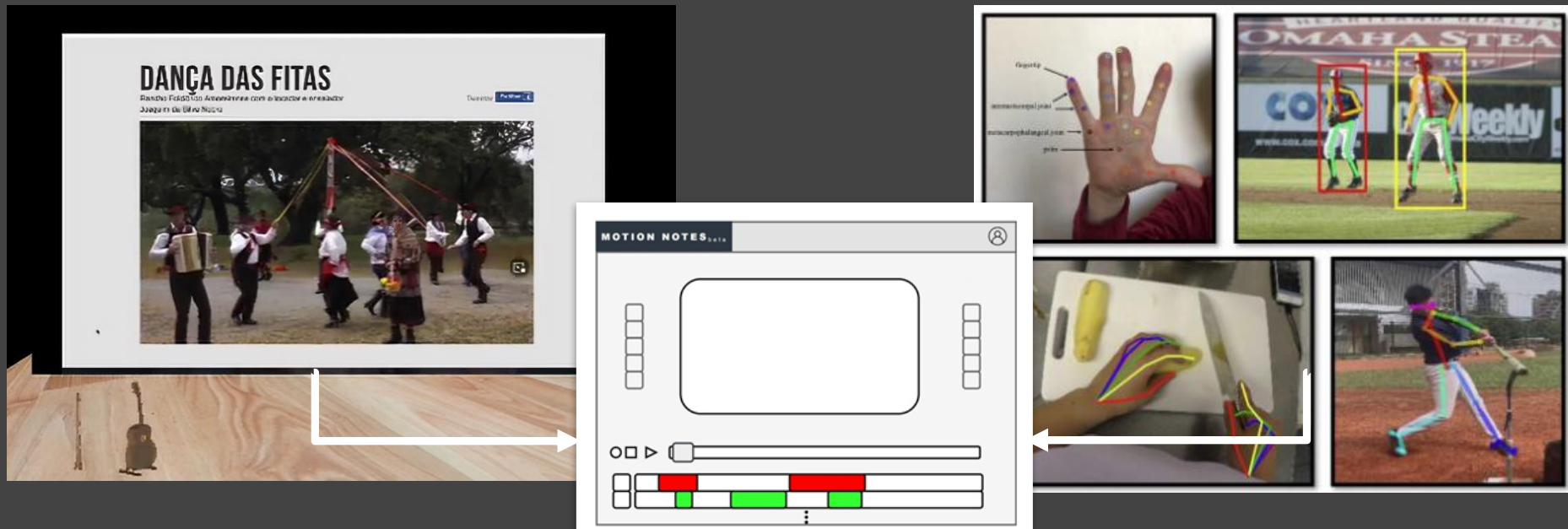
Select
Color
Line
Text
Embed
Copy
Paste
Delete

Annotation context menu



Weave MOTION NOTES

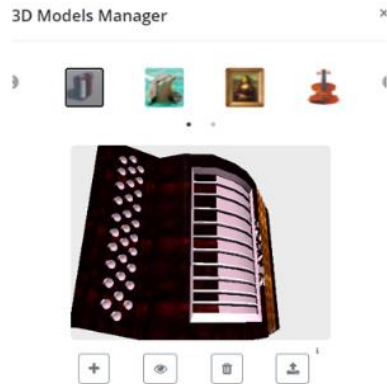
- Development of 3D model features
- Integration of human pose estimation



Motion Notes 3D Features

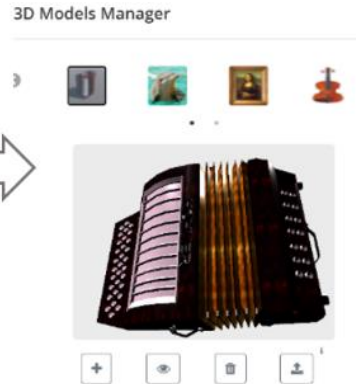
1 3D Model Import Interface

Users can upload their 3D models to MotionNotes and have them available while creating new annotations



2 3D Model Viewer

Each user has his collection of 3D models available in his account. Users can look at the model, rotate it, and zoom it in/out



3 3D Annotation Mechanism

Users can annotate any part of the video. The tool will then save the timestamp and position in which the 3D model was added



Motion Notes Human Pose Features

1

AI Technique Integration

Open Pose is a deep learning based human pose estimation module. It is used to process pose in motion notes

2

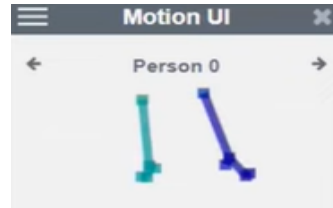
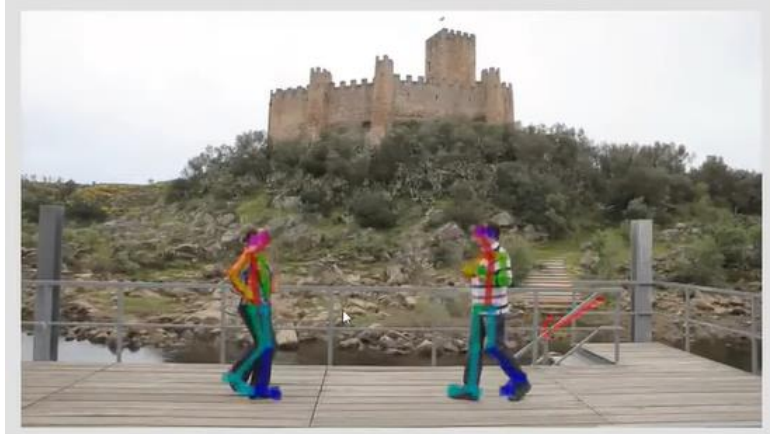
Dynamic Annotations

Users can add dynamic annotations in motion notes. That means that those annotations can follow a human body part

3

Movement Recognition

It was developed a new module that enables a specific human movement detection in a video. E.g., arms open



Motion Notes Integration

1 Europeana

Annotate videos from Europeana. It is possible to do it by downloading the video or by streaming it

Recorded or Imported
External URL
Human Pose

☐ Select All

☐ <https://www.youtube.com/watch?v=C1Sxk6zxWLM>

☐ https://proxy.europeana.eu/2051906/data_euscreenXL_https__ww

☐ <http://stream18.noterik.com/progressive/stream18/domain/euscre>

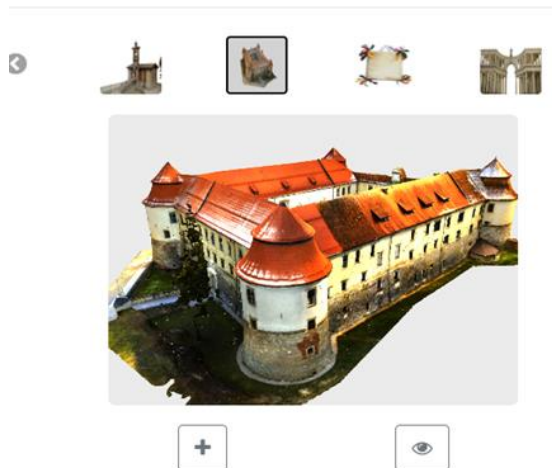
☐ <https://www.openbeelden.nl/files/13/01/1301639.1301634.JAPANS>

☐ https://embed.europeana.eu/499/https__hispana_mcu_es_lod_oa

☐ http://www.larramendi.es/i18n/catalogo_imagenes/imagen_id.do?i

2 3D Weaver

Users can add 3D annotations using models stored in 3d weaver.



3 WeaveX

It is possible to stream videos used in WeaveX and annotate them with motion notes.

Embed code

Copy and paste the code below, where you want the embed to appear...

```
<div class="iframe-container" style="overflow: hidden; padding-top: 45.25%; position: relative;"><iframe style="border: 0; height: 100%; left: 0; position: absolute; top: 0; width: 100%;" src="https://motion-notes.di.frt.unl.pt/embed?"
```

... or click the button to copy a shareable link to the clipboard:

Get shareable link

Customizations:

Background color Text color Show annotation tracks ☒



You can test MotionNotes annotation tool for free.

<https://motion-notes.di.fct.unl.pt>

<https://www.youtube.com/watch?v=poN5mvzbchM&t=1778s>