



Strengthening Teaching Competences
in Higher Education
in Natural and Mathematical Sciences



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Online teaching using MS Stream

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A sea of teaching platforms



What is it?



- ❑ Developed by Microsoft, MS Stream is one of the Office 365 applications available to UNIKO employees. MS Stream allows users to upload, view, and share videos securely; Simply put, it is like YouTube, but private.
- ❑ This application enables professors to share recordings of classes, lectures, meetings, conference presentations, training sessions, or other videos.
- ❑ Since MS Stream is a secure video service, you can manage who views your video content and determine how widely to share within your organization.
- ❑ MS Stream also helps you organize content into channels and groups so it's easier to find.

1

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Good evening

Install Office

Recommended

You edited this Fri at 1:10 PM

RAEM 2021

You edited this Aug 27

SEIDAT E PËRDORIMIT TË TIK NË ...

You edited this Sep 6

+Shtojca 3.10 c Praktika e informi...

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3 Go to <https://stream.microsoft.com/>

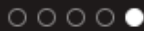


You can use the navigation bar at the top of any Stream page to browse videos, channel or groups, create new content or easily search for content.

Get more out of Microsoft Stream



- Upload a video
- Find videos
- Find channels
- Find groups
- Invite

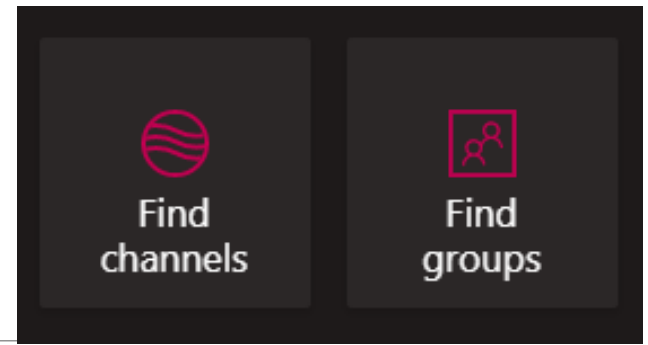


Invite your coworkers to upload videos. Everyone in your company can contribute. ×

[Learn how to use Microsoft Stream](#) Don't show this again

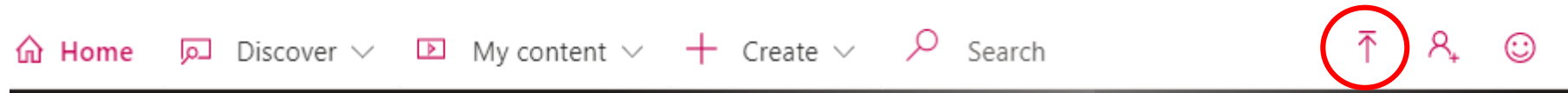


Channels and groups



- ❑ Groups in Stream are built on top of Office 365 Groups.
 - ❑ When you make a group in Stream, it creates a new Office 365 Group that can be used across Office 365, giving the group an email address, calendar, site, etc.
 - ❑ If you already use Office 365 Groups in your organization (from Microsoft Teams, SharePoint etc.), you can start using those groups in Stream right away.
- ❑ Channels are an organization method for videos, but not a permission method. Channels don't have any permissions on their own.
- ❑ Additional information about how to organize your video content can be found here: <https://docs.microsoft.com/en-us/stream/groups-channels-organization> .

Uploading a video



- ❑ To upload videos click the Upload icon on the navigation bar at the top of any page or just drag and drop new videos to one of your groups or channels.
- ❑ You can upload multiple videos at the same time and even browse MS Stream while your videos are uploading in the background.

Supported file types

File formats (file extensions)	Supported
FLV (with H.264 and AAC codecs) (.flv)	Yes
MXF (.mxf)	Yes
GXF (.gxf)	Yes
MPEG2-PS, MPEG2-TS, 3GP (.ts, .ps, .3gp, .3gpp, .mpg)	Yes
Windows Media Video (WMV)/ASF (.wmv, .asf)	Yes
AVI (Uncompressed 8bit/10bit) (.avi)	Yes
MP4 (.mp4, .m4a, .m4v)/ISMV (.isma, .ismv)	Yes
Microsoft Digital Video Recording(DVR-MS) (.dvr-ms)	Yes
Matroska/WebM (.mkv)	Yes
WAVE/WAV (.wav)	Yes
QuickTime (.mov)	Yes

Description and permissions

Drag more files anywhere, or [select more files](#) to upload to Test
Upload completed, go to [my videos](#)

1

Processing: 0%

Processing: 0%

Details

Name

Lecture 1

Description

Describe your video. Include timecodes (hh:mm:ss) to create chapters for easier navigation. For example: 00:24 Introduction

Introduction

Setting a video language enables automatic closed captioning for supported languages. [Learn more](#)

Video Language

Select a language

Thumbnail

Processing... 0%

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2

Permissions

Allow everyone in your company to view this video ⓘ

Share with ⓘ

People | Search for People

Viewers ⓘ

Owner ⓘ

Display ⓘ

×		Test	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
×		silvia cobani (scobani@)	<input checked="" type="checkbox"/>	

3

Share Publish

Updates saved

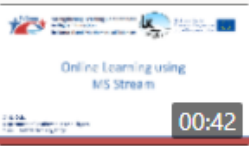



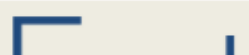
Browse for your video

[Home](#) [Discover](#) [My content](#) [+](#) [Create](#) [Search](#) [↑](#) [👤](#) [😊](#)

Highlights **Videos** Channels Membership [↑ Upload video](#)

Search for videos Sort by

 **Lecture 1** 0 0 0 9/13/2021  silvia cobani

 **Funksionet "inline" dhe "anonymous "** 14 1 0 4/3/2021

Make your video interactive

The image shows a MATLAB software interface on the left and an 'Interactivity' dialog box on the right. The MATLAB interface includes a Command Window with the following code and output:

```
>> f=inline('x.^2','x')  
  
f =  
  
Inline function:  
f(x) = x.^2  
  
>> g=@(x,n) x.^n  
  
g =  
  
@(x,n) x.^n
```

The Workspace window shows variables `f` (1x1 inline) and `g` (@(x,...)). The Command History window shows the execution of the code. A video player at the bottom shows a progress bar at 2:48 / 6:39.

The 'Interactivity' dialog box on the right has the following fields and buttons:

- + Add Form** (highlighted with a red box and arrow)
- Form name: 2:47
- Form URL: Paste URL here (with a copy icon)
- Name your form: Name your form here
- Position on timeline: 2:47
- Add to timeline** (pink button)
- Cancel (white button)

At the bottom right, there is a logo for 'comp' with a stylized figure.

Details

Conclusion

USEFUL FEATURES

- Supports all video file types
- Supports Office 365 Groups,
- Sub-channels within each group
- Permissions at video level
- Videos can appear in different groups/channels (no need to re-upload!)
- Comments and likes directly on the video
- Rich video description with timecodes

SHORTCOMINGS

- Not linked to One Drive or SharePoint yet
- Slow development and new features
- Only for Office 365 customers



Resources

- ❑ *Stream documentation* (<https://docs.microsoft.com/en-us/stream/>)
- ❑ *Microsoft stream help and learning* (<https://support.microsoft.com/en-us/microsoft-stream>)
- ❑ *Examples of how to organize groups and channels in Microsoft Stream*
(<https://docs.microsoft.com/en-us/stream/groups-channels-organization>)
- ❑ *Colin Phillips, Microsoft Stream - The Video Evolution*
(<https://www.slideshare.net/ColinPhillips2/microsoft-stream-the-video-evolution>)



THANK YOU
FOR YOUR
ATTENTION