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Audio and Video Editing

# Audio Editing and Processing in Video Production

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# Exercise Objective

- *The objective of the exercise is to master the basic techniques of editing sound for video, as well as to review essential audio-recording techniques needed in video production. Technically, this exercise is performed on audio clips, using already well-known tools from Adobe Premiere Pro. By selecting one or more audio effects and transitions, you can enhance the overall impression of the edited program.*
- *In this exercise, you will replace the low-quality audio from the previous exercise with new, higher-quality audio. Along with audio replacement, you will also practice the process of synchronizing audio and video, which is very important in further work.*



# Exercise Objective

- *It is often said that "one image is worth a thousand words", but the effect that moving images leave on us is stronger if they are accompanied by sound. The first feature film in which the sound was recorded synchronously with the image, "The Jazz Singer", was presented in 1927.*
- *Sound on film is a set of synchronous and asynchronous sounds of dialogue, music and sound effects, and on television, some of these three elements may be absent, depending on the type of program.*



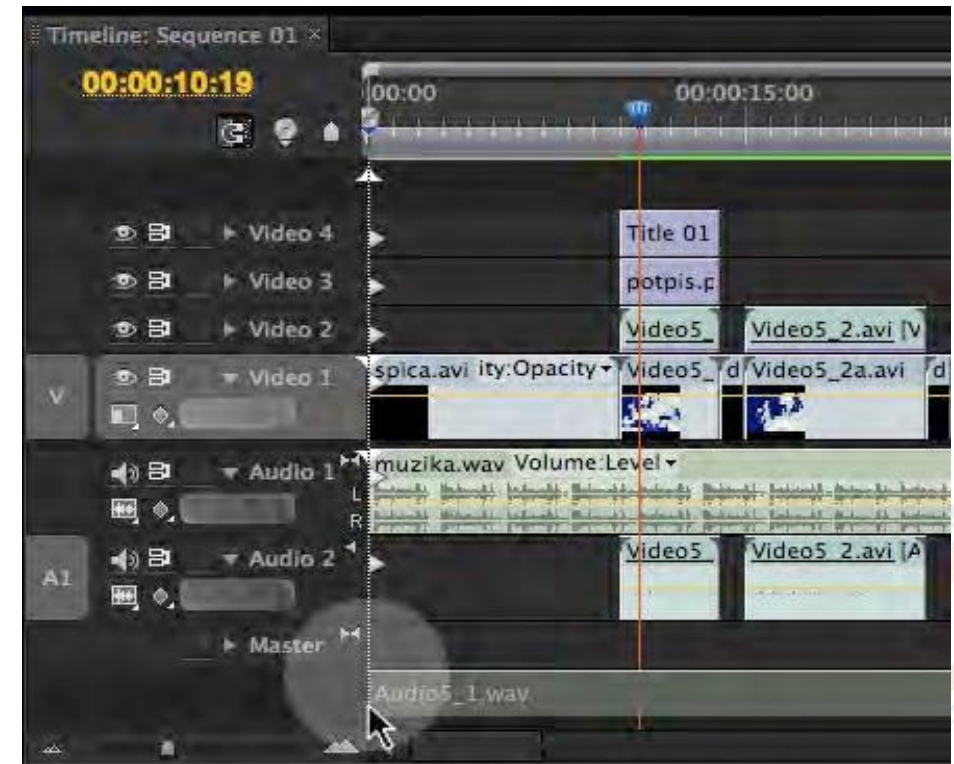
# Exercise 9

1. Start Adobe Premiere Pro, select Open Project > vreme.prproj.

2. Play the sequence.

- You have likely noticed that the audio level in the existing a/v clips is poor, so we will import a new, higher-quality audio file into Adobe Premiere Pro.*

3. From the folder Banka 5 > Compositing, import the file Audio5\_1. In the Project panel, select the file and drag it into the empty space below the Master track in the Timeline panel.



# Exercise 9

- *The Audio5\_1 file is .wav (Waveform Audio Format), mono, 48kHz. Since there was no empty audio track available in the Timeline, Adobe Premiere Pro automatically created one. If you attempted to place Audio5\_1 onto Audio 1, the program did not allow the action because that track is stereo.*
4. Click the Collapse/Expand Track button to the left of the audio-track label to expand its view and examine the waveform..
  5. Place the CTI at the beginning of the Video5\_1 clip and drag the Audio 1 file next to it.
  6. Play the sequence.



# Exercise 9

- *The new file Audio5\_1 is asynchronous relative to the already existing audio in the Audio 2 track. Using the Razor tool and by moving the clips, synchronize the audio from **Audio5\_1** with the existing audio and video.*
- *To be able to synchronize the sound more precisely instead of the timecode, we will choose an audio sample rate that allows a much more precise division.*

7. From the dropdown menu to the right of the Timeline panel, select: Show Audio Time Units.



# Exercise 9

- *Now instead of hours, minutes, seconds and frames, the counter displays hours, minutes, seconds and the audio sample rate (in this case the division into 48,000 parts of a second).*

00:00:21:47999

00:00:21:24

- *When you drag the CTI across an audio or a/v clip, Adobe Premiere Pro plays the portions where the CTI is located. However, if you do not want to listen to the choppy sound, and muting/unmuting tracks takes too long, there is an option that solves this.*





# Exercise 9

8. Choose Edit > Preferences > Audio (Windows), or Adobe Premiere Pro > Preferences > Audio (Mac).

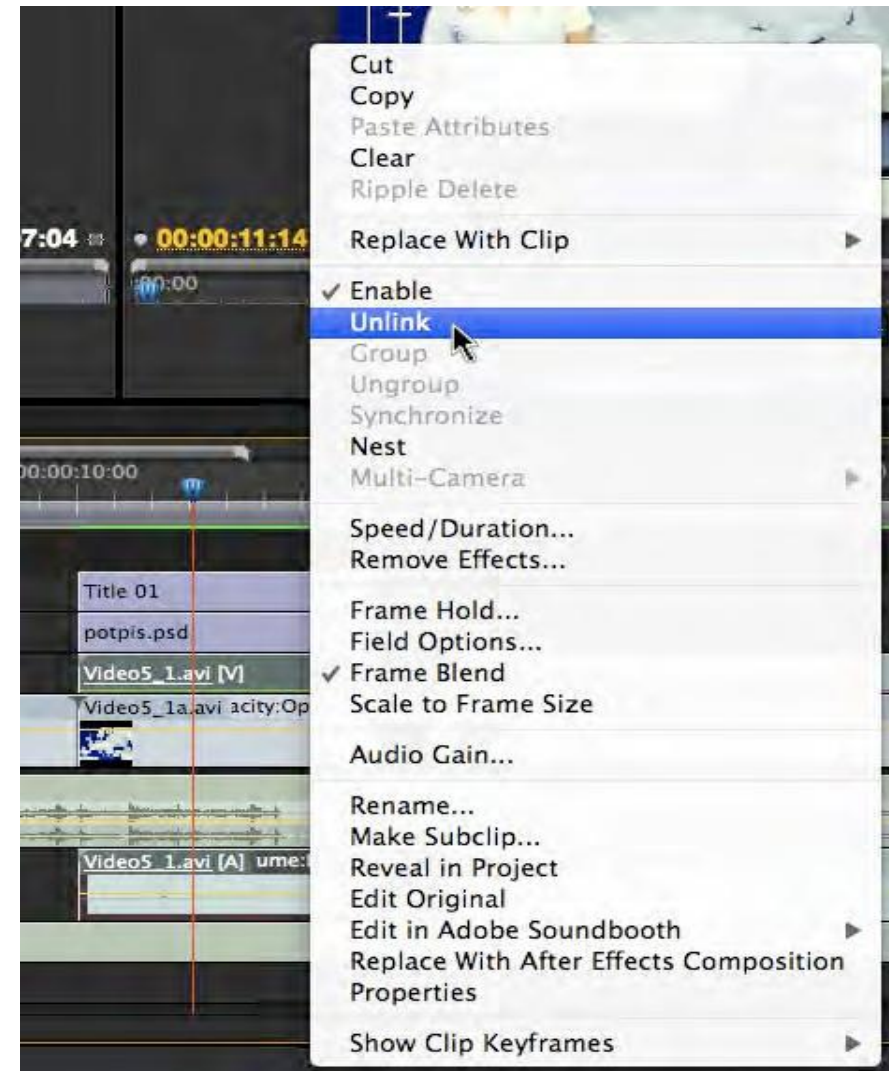
9. Disable the option Play audio while scrubbing. Confirm.





# Exercise 9

10. To detach the audio from the video in the Video5\_x clips, select each clip individually in the Timeline, right-click, and choose Unlink from the menu.
11. After unlinking all video clips, delete the Audio 2 track.



# Exercise 9

- *Right-click on any a/v track name and select Delete Tracks. Enable the option Delete Audio Track(s) and from the dropdown menu choose Audio 2, which allows you to remove the selected track. Confirm.*

12. Now match each video clip with its corresponding audio clip as follows: select one matching pair in the Timeline, right-click, and choose Link.

13. Save the project under the name: vreme\_final.



# Exercise 9

14. Activate the Audio 1 track by selecting Toggle/Track Output.

15. Play the sequence.

- *Although the presenter is now easier to understand, some adjustments to the audio levels still need to be made.*

16. Select the audio clip Music in the Timeline panel.

17. Open the Effect Controls panel and the Volume menu.

18. Set the CTI at 00:00:09:00 and, click the stopwatch to add the first keyframe in the Volume effect.



# Exercise 9

19. Place the CTI at 00:00:10:05 and change the Level value to -11, which will create the second keyframe.

20. Play the sequence.

21. Another audio-level adjustment is needed: equalize the music level in the opening and closing credits.

- *Just like with video effects and transitions, you can apply audio effects and audio transitions as well.*

22. Save the project.





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# Questions & Answers

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