

Multiplier Event



26. June 2023

VACIDE Multiplier Event – online, hosted by ŠC Škofja Loka

3

TOP 1 - Welcome



Multiplier Event

VACIDE – Vocational Action Competence in Digital Environments

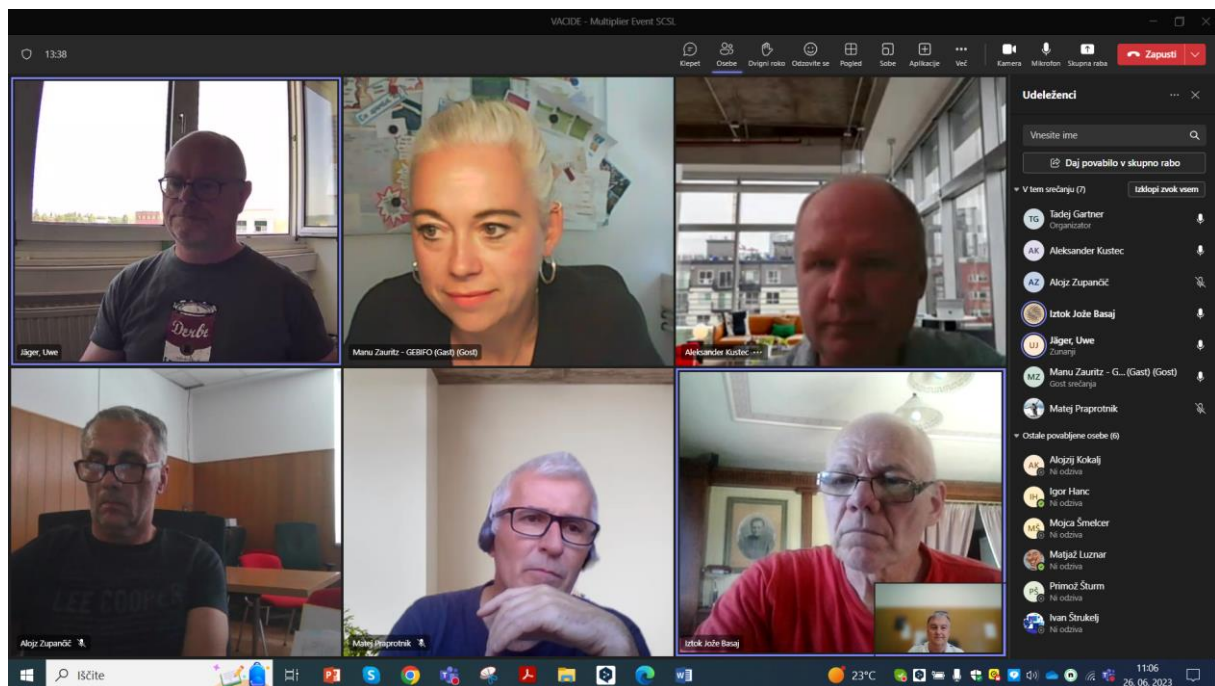
WELCOME / WILLKOMMEN / BENVENUTO / DOBRODOŠLI
at the Multiplier Event of the VACIDE project
organised by ŠC Škofja Loka, MS Teams, 26. June 2023



26. June 2023

VACIDE Multiplier Event – online, hosted by ŠC Škofja Loka

1



TOP 2 - Project overview



VACIDE - Technical group: units and members



SREDNJA ŠOLA ZA STROJNIŠTVO

Srednja šola za strojništvo

Mag. Mojca Šmelcer, ravnateljica SŠS

Iztok Jože Basaj, 3D tiskanje in modeliranje

Matej Praprotnik, 3D tiskanje in modeliranje

Matjaž Luznar, CNC-cad

Primož Šurm, CNC-cam

Tadej Gartner, koordinator projekta



VIŠJA STROKOVNA ŠOLA

Višja strokovna šola

Mag. Igor Hanc, ravnatelj VŠS, vodja skupine in mentor

Dr. Aleksander Kustec, tehnična projektna dokumentacija

Alojz Zupančič, elektrotehnika in elektronika



MEDPODJETNIŠKI IZOBRAŽEVALNI CENTER

Medpodjetniški izobraževalni center (MIC)

Alojz Kokalj, vodja MIC in vodja strokovne skupine

The screenshot shows a virtual meeting interface. At the top, a navigation bar includes icons for a home screen, a list of participants, a chat window, a presentation window, a gallery, a list of documents, a list of applications, a list of settings, and a list of other tools. The main window is divided into two sections. The top section shows a grid of video feeds for participants. The bottom section displays a presentation slide titled "6 - Manufacturing process". The slide contains text about the 3D printing of a robot cover and a table of material properties. The right sidebar shows a list of participants, including Igor Hanc, Iztok Jože Basaj, and others. The bottom of the screen shows a Windows taskbar with various application icons and a system clock.

6 - Manufacturing process

In the basic design of robot that, which was used as the template, 3D printing was main method for manufacturing of all main components of the robot. In this version of the robot cover 90% of parts was enabled to be manufactured with conventional manufacturing processes mostly by 3D printing.

- 3D printing
- 3D printing
- 3D printing
- 3D printing

Material of choice for these parts is aluminum, aluminum has some big advantages due to low density and additional rigidity it's also easy to work with.

Part	Material	Part	Material
Robot body	Al 6061	Robot body	Al 6061
Robot head	Al 6061	Robot head	Al 6061
Robot arm	Al 6061	Robot arm	Al 6061
Robot leg	Al 6061	Robot leg	Al 6061
Robot wheel	Al 6061	Robot wheel	Al 6061
Robot sensor	Al 6061	Robot sensor	Al 6061
Robot camera	Al 6061	Robot camera	Al 6061
Robot speaker	Al 6061	Robot speaker	Al 6061
Robot microphone	Al 6061	Robot microphone	Al 6061
Robot battery	Al 6061	Robot battery	Al 6061
Robot motor	Al 6061	Robot motor	Al 6061
Robot gear	Al 6061	Robot gear	Al 6061
Robot belt	Al 6061	Robot belt	Al 6061
Robot pulley	Al 6061	Robot pulley	Al 6061
Robot shaft	Al 6061	Robot shaft	Al 6061
Robot nut	Al 6061	Robot nut	Al 6061
Robot bolt	Al 6061	Robot bolt	Al 6061
Robot washer	Al 6061	Robot washer	Al 6061
Robot spacer	Al 6061	Robot spacer	Al 6061
Robot pin	Al 6061	Robot pin	Al 6061
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Robot washer	Al 6061	Robot washer	Al 6061
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Robot nut	Al 6061	Robot nut	Al 6061
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Robot screw	Al 6061	Robot screw	Al 6061
Robot nut	Al 6061	Robot nut	Al 6061
Robot bolt	Al 6061	Robot bolt	Al 6061

VACIDE - Multiplier Event SCSL

25:01

Prez. riad., Odpri v oknu, Klopri, Osobe, Drigni roko, Odzovite se, Pripelj, Sobe, Aplikacije, Več, Kamera, Mikrofon, Skupna raba, Zapusti

Udeleženci

Vnesite ime

Daj povabilo v skupno rabo

V tem srečanju (9)

Izklopi zvok vsem

TG Tadej Gartner Organizator

AK Aleksander Kustec

AZ Alojz Zupančič

IH Igor Hanc

Iz Iztok Jože Basaj

UJ Jäger, Uwe Zuhung

MZ Manu Zauritz - G... (Gast) (Gost) Gost srečanja

MP Matej Praprotnik

ML Matjaž Lumnar

Ostale povabiljene osebe (6)

AK Alojzij Kokalj Ni odziva

MS Mojca Šmelcer Ni odziva

PS Primož Šturm Ni odziva

IS Ivan Strukej Ni odziva

10.25Subassembly Thor Basic

1. Assembling the roller and the subassembly

2. Inserting assembled components into the subassembly

3. Tightening the components from the roller side to the roller body

1. Assembling the components with screws M3x30

Igor Hanc

25°C

11:18 26.06.2023

VACIDE - Multiplier Event SCSL

25:46

Prez. riad., Odpri v oknu, Klopri, Osobe, Drigni roko, Odzovite se, Pripelj, Sobe, Aplikacije, Več, Kamera, Mikrofon, Skupna raba, Zapusti

Udeleženci

Vnesite ime

Daj povabilo v skupno rabo

V tem srečanju (9)

Izklopi zvok vsem

TG Tadej Gartner Organizator

AK Aleksander Kustec

AZ Alojz Zupančič

IH Igor Hanc

Iz Iztok Jože Basaj

UJ Jäger, Uwe Zuhung

MZ Manu Zauritz - G... (Gast) (Gost) Gost srečanja

MP Matej Praprotnik

ML Matjaž Lumnar

Ostale povabiljene osebe (6)

AK Alojzij Kokalj Ni odziva

MS Mojca Šmelcer Ni odziva

PS Primož Šturm Ni odziva

IS Ivan Strukej Ni odziva

10.4Subassembly Thor Art 2a

1. Assembling the components and mounting it into the case

1" M16 countersunk
2" M16x3
2" axis length 32mm
4" axis with thread

Igor Hanc

25°C

11:19 26.06.2023

VACIDE - Multiplier Event SCSL

26:35

Prez. nadz. Odpri v oknu Klopri Osebe Dvigni roko Odzovite se Poplaj Sobe Aplikacije Več Kamera Mikrofon Skupna rabo Zapusti

Udeleženci

Vnesite ime

Daj povabilo v skupno rabo

V tem srečanju (9)

Izlopi zvok vsem

TG Tadej Gartner Organizator

AK Aleksander Kustec

AZ Alojz Zupančič

IH Igor Hanc

LI Izotok Jože Basaj

UJ Jäger, Uwe Zurnburg

MZ Manu Zauritz - G... (Gost) (Gost)

Matj Praprotnik

Matjaž Lumnar

Ostale povabiljene osebe (6)

AK Alojzij Kokalj Ni odziva

MS Mojca Šmelcer Ni odziva

PS Primož Šturm Ni odziva

IV Ivan Strukej Ni odziva

Dip_Gl Dip_Kar 1. Dip.1 1.1 Dip. 1.1.1 Dip.1.1.1.1 Dip.1.1.1.1.1 Nasli Podma

Igor Hanc

26.06.2023 11:19

VACIDE - Multiplier Event SCSL

28:10

Prez. nadz. Odpri v oknu Klopri Osebe Dvigni roko Odzovite se Poplaj Sobe Aplikacije Več Kamera Mikrofon Skupna rabo Zapusti

Udeleženci

Vnesite ime

Daj povabilo v skupno rabo

V tem srečanju (9)

Izlopi zvok vsem

TG Tadej Gartner Organizator

AK Aleksander Kustec

AZ Alojz Zupančič

IH Igor Hanc

LI Izotok Jože Basaj

UJ Jäger, Uwe Zurnburg

MZ Manu Zauritz - G... (Gost) (Gost)

Matj Praprotnik

Matjaž Lumnar

Ostale povabiljene osebe (6)

AK Alojzij Kokalj Ni odziva

MS Mojca Šmelcer Ni odziva

PS Primož Šturm Ni odziva

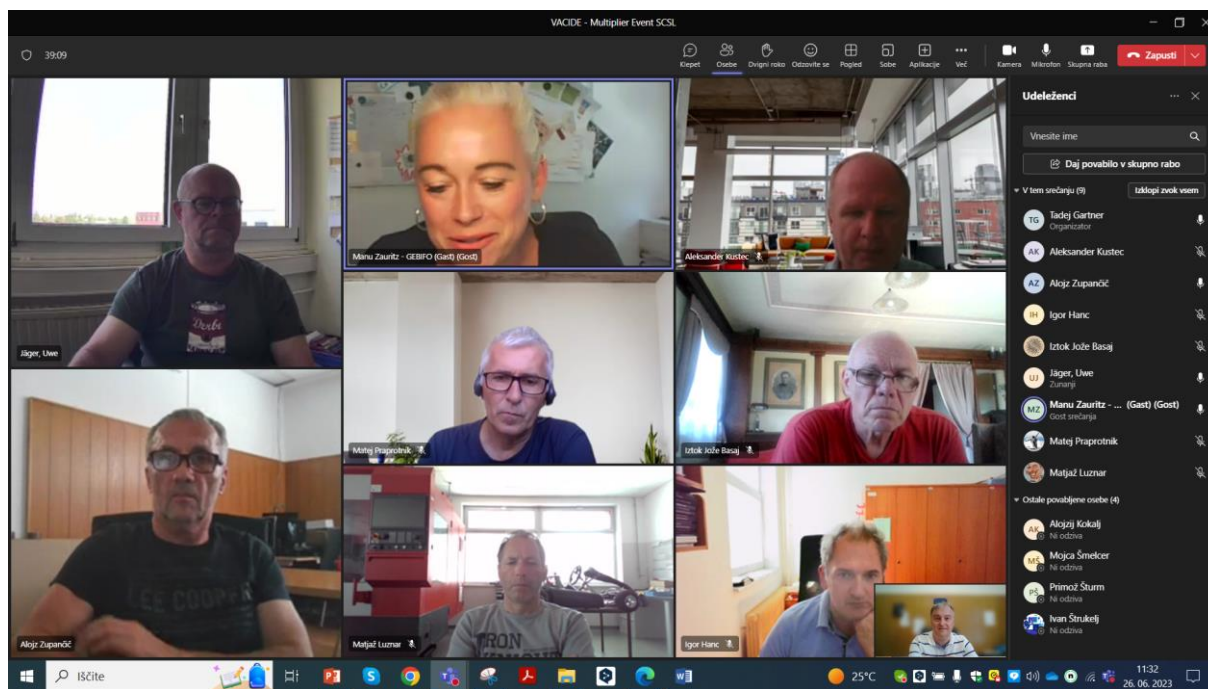
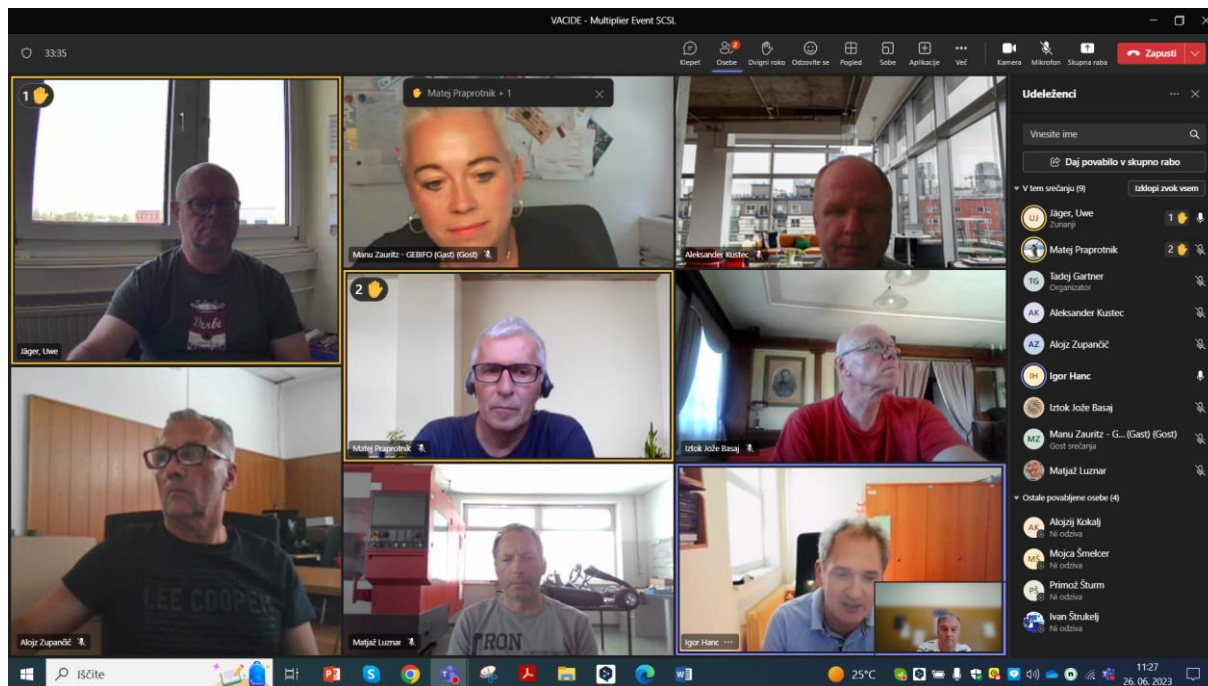
IV Ivan Strukej Ni odziva

Dip_Gl Dip_Kar 1. Dip.1 1.1 Dip. 1.1.1 Dip.1.1.1.1 Dip.1.1.1.1.1 Nasli Podma

Igor Hanc

26.06.2023 11:21

TOP – 3 DISCUSSON



TOP 4 – Project evaluation results (GEBIFO)

VACIDE - Multiplier Event SCSL

40:14

Results of the evaluation (IO6)
in the VACIDE project

Multiplier Event, 26.06.2023
Manuela Zauritz (GEBIFO)

Kofinanciert durch das
Programm Erasmus+
der Europäischen Union 2020-1-DE02-KA202-007743

eurocultura ŠOLSKI CENTER SKOPJA LOKA GEBIFO

Udeleženci

- Tadej Gartner (Organizator)
- Aleksander Kustec
- Alojz Zupančič
- Igor Hanc
- Iztok Kože Basaj
- Jäger, Uwe (Zunaj)
- Manu Zauritz - ... (Guest) (Guest)
- Matjaž Praprotnik
- Matjaž Luznar
- Ostale povabilne osebe (4):
 - Alojz Kokalj (Ni oddala)
 - Mojca Šmelcer (Ni oddala)
 - Primoz Šurm (Ni oddala)
 - Ivan Štrukelj (Ni oddala)

VACIDE - Multiplier Event SCSL

40:38

VACIDE is ...

inter-company learning projects
learning assignments
methodology and didactics
model of the complete action
workplace orientation
robot arm
guiding texts
training robot Thor
learning location cooperation
digital learning sequences
process-oriented training
active learning
motivation to learn
digital competencies
media-pedagogical competencies

... innovative action-oriented learning on the customer's order

Kofinanciert durch das
Programm Erasmus+
der Europäischen Union 2020-1-DE02-KA202-007743

eurocultura ŠOLSKI CENTER SKOPJA LOKA GEBIFO

Udeleženci

- Tadej Gartner (Organizator)
- Aleksander Kustec
- Alojz Zupančič
- Igor Hanc
- Iztok Kože Basaj
- Jäger, Uwe (Zunaj)
- Manu Zauritz - ... (Guest) (Guest)
- Matjaž Praprotnik
- Matjaž Luznar
- Ostale povabilne osebe (4):
 - Alojz Kokalj (Ni oddala)
 - Mojca Šmelcer (Ni oddala)
 - Primoz Šurm (Ni oddala)
 - Ivan Štrukelj (Ni oddala)

VACIDE - Multiplier Event SCSL

43:15

Udeleženci

Vnesite ime

Daj povabilo v skupno rabo

V tem srečanju (9)

Iskopi zvok vsem

Tadej Gartner
Organizator

Aleksander Kustec

Alojz Zupančič

Igor Hanc

Iztok Jože Basaj

Jäger, Uwe
Zuhang

Manu Zauritz - ... (Gost) (Gost)

Matěj Praprotník

Matjaž Lumnar

Ostale povabiljene osebe (4)

Alojzij Kokalj
Ni odziva

Mojca Šmelcer
Ni odziva

Primoz Šturm
Ni odziva

Ivan Strukej
Ni odziva

Survey design

1. Interviews

Project staff in the VACIDE project

Focus:

- assessment of the development, creation and practical implementation of the learning projects and materials
- assessment of the impact on the competence development of the trainees/learners
- assessment of the pedagogical/methodological approach
- assessment of the impact on the role and competences of trainers/teachers

Kofinanciert durch das Programm Erasmus+ der Europäischen Union 2020-1-DE02-KA202-007743

ŠOLSKI CENTER SKOPJA LOKA

GEBIFO

Manu Zauritz - GEBIFO (Gost) (Gost)

Isčite

25°C

11:36
26.06.2023

VACIDE - Multiplier Event SCSL

44:28

Udeleženci

Vnesite ime

Daj povabilo v skupno rabo

V tem srečanju (9)

Iskopi zvok vsem

Tadej Gartner
Organizator

Aleksander Kustec

Alojz Zupančič

Igor Hanc

Iztok Jože Basaj

Jäger, Uwe
Zuhang

Manu Zauritz - ... (Gost) (Gost)

Matěj Praprotník

Matjaž Lumnar

Ostale povabiljene osebe (4)

Alojzij Kokalj
Ni odziva

Mojca Šmelcer
Ni odziva

Primoz Šturm
Ni odziva

Ivan Strukej
Ni odziva

Survey design

3. Online-Survey

Trainees/Learners

Focus:

- immediate reaction of the participants in relation to the workplace learning projects (acceptance, satisfaction, etc.)
- feedback on the testing phase of the developed learning materials
- communicate to the trainees/learners that their opinion is important and that changes will be derived from it

Kofinanciert durch das Programm Erasmus+ der Europäischen Union 2020-1-DE02-KA202-007743

ŠOLSKI CENTER SKOPJA LOKA

GEBIFO

Manu Zauritz - GEBIFO (Gost) (Gost)

Isčite

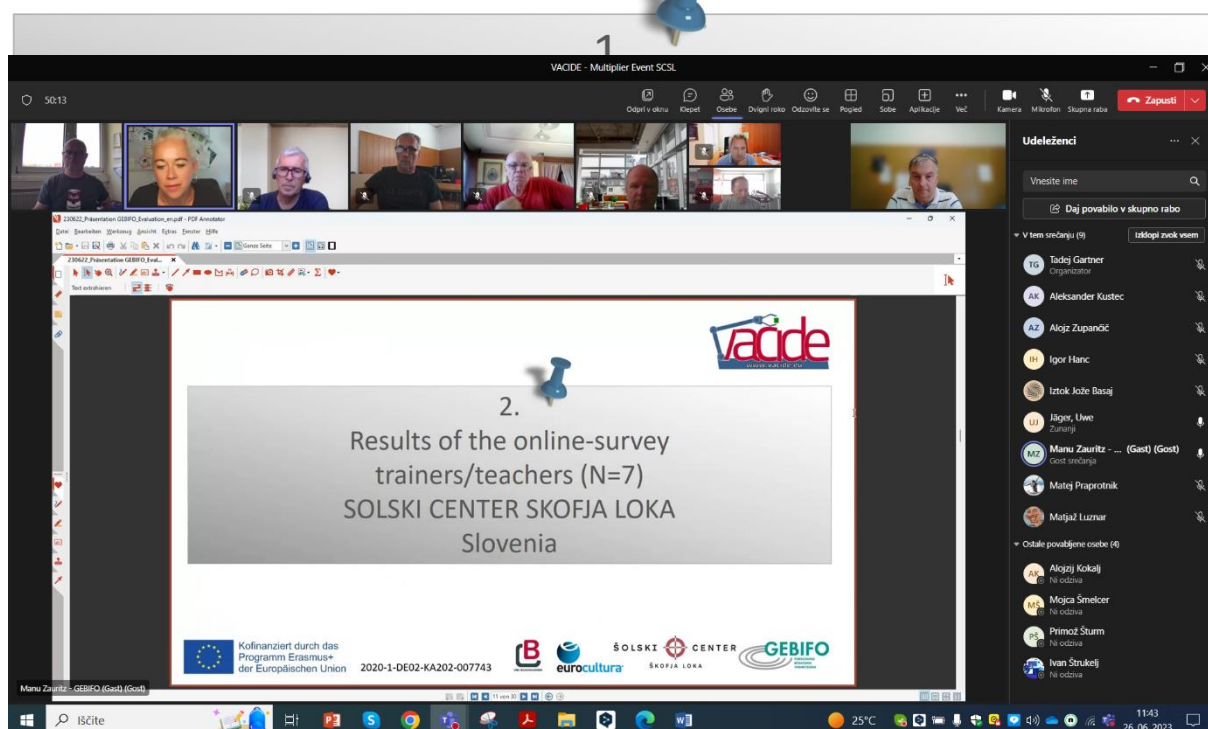
25°C

11:38
26.06.2023

1.

Results of the interviews
project staff
SOLSKI CENTER SKOFJA LOKA
Slovenia

1



The screenshot shows a Zoom meeting interface. At the top, there's a title bar for 'VACIDE - Multiplier Event SCSL'. Below it, a row of video thumbnails shows several participants. The main window displays a presentation slide titled '2. Results of the online-survey trainers/teachers (N=7) SOLSKI CENTER SKOFJA LOKA Slovenia'. The slide features the vacide logo and logos for the European Union, Erasmus+ program, and other partners. On the right side, a list of participants is visible, including Tadej Gartner, Aleksander Kustec, Alojz Zupančič, Igor Hanc, Izotok Jože Basaj, Jago, Uwe, Manu Zaritz, Matej Praprotnik, Matjaž Luznar, and others. The bottom of the screen shows a Windows taskbar with various icons and a system clock indicating 11:43 on 26.06.2023.

[illegible]

TOP 5 – Discussion

