

WP2 Upgrading of methodology

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DEMUSIS

Enhancing the digital competencies and entrepreneurship skills of academic musicians in Serbia for culturally more engaged society



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WP2 rationale

- In order to enable student engagement and obtain new competencies, appropriate resources should be available.
- All national higher music institutions (HMI) share the same problems regarding poor resources, IT equipment, old and inadequate music instruments, library materials, other learning resources, and WP 2 should contribute to the enhancement of this situation.

2.1 Equipment purchase planned

1. **Review** of the existing resources with assessment of specific needs in terms of equipment was conducted at P1-P3.
2. **Update** of submitted equipment list was made.
3. **Approval** from EACEA for necessary changes was obtained.
4. **Asset classification** into designated groups.

Public procurement process – preparatory phase

- The process of preparation of public procurement was initiated.
- An expert for this process was hired to supervise the procedure.
- Public procurement board was established– with representatives from P1-3.
- A set of documents for public procurement was created.
- The equipment was categorized into 19 parties according to national legislation and market analysis.

Public procurement process – first call

- The Call was published in accordance to national legislation (28.06).
- The offers were received and opened on 29.07.2019.
- Acceptable offers were received for 14 parties (13 for hardware and 1 for software).
- There were no offers for 4 parties (2 for hardware, 2 for software).
- One offer (hardware) was unacceptable.
- Standard procedure followed (publishing of results, making contracts, delivery of goods. Last party was delivered on 02.12.2019.

Public procurement process – first call

- Equipment acquired: 21 desktop computers, 19 laptops, 12 printers, 2 scanners, one photocopier machine, one projector, 30 loudspeakers, 22 hard disks, 3 cameras, 23 headphones, 38 microphones (and equipment), 12 sound cards, 9 digital recorders, 17 software, one piano, two electric pianos, accessories etc.

Public procurement process – second call

- The Call was published in accordance to national legislation (25.10).
- The offers were received and opened on 25.11.2019.
- Acceptable offers were received for 3 parties (2 for hardware and 1 for software).
- There were no offers for 2 parties (1 for hardware, 1 for software).
- Standard procedure will follow (publishing of results, making contracts, delivery of goods).
- Estimated time of procedure conclusion – February 2020.

Public procurement process – second call

- Equipment that will be acquired: 9 desktop computers, 4 interactive boards, 5 music tablets, 5 headphones, 13 keyboards, 2 loudspeakers, sound card, audio interface, etc.

Remaining equipment

- Report was submitted to the EACEA desk officer in charge, and request was made to proceed with direct purchase.
- The request was granted. (02.12.2019)
- The remaining equipment: software 38 pieces, 3 cameras, 2 streaming device, one lighting package

Statistics

- 82% of hardware was purchased in the first call of tendering procedure.
- 14% of hardware will be purchased in the second call.
- 4% of hardware for direct purchase remains.
- 27% of software was purchased in the first call.
- 25% of software will be purchased in the second call.
- 48% of software for direct purchase remains.

2.4. Development of adequate digital infrastructure – P1

- Development of adequate digital infrastructure is closely connected to the purchase of equipment. As P1 has very limited education space available, the solution needed to be found for adequate space for digital laboratory. A team was made – to consider relevant issues (size of the room needed, acoustics requirements, safety requirements etc.). Room no 44 at P1 was chosen as the best solution. As there were many aspects that needed to be addressed, a specialist (architect) was hired to design the interior of the room and to coordinate the work flow.
- Technicians were hired to install adequate electricity (in order to support all the needs of the equipment).

2.4. Development of adequate digital infrastructure – P1

- Technicians were hired to install Internet.
- Expert was hired to design and make structure needed for local network.
- Experts in Acoustics have been hired to design adequate acoustics of the room.
- The furniture needs to be acquired in accordance to the architect plan.

2.4. Development of adequate digital infrastructure – P2

- Infrastructure at P2 is very well developed, with excellent internet connections, networks, and servers. LOLA system is also functional.
- The infrastructure will be enhanced by new IT equipment (new computers and smartboards).

2.4. Development of adequate digital infrastructure – P3

- Digital infrastructure has been developed and implies an optical cable from the building where most of the equipment will be located (Second Kragujevac Gymnasium) to the AMRES (Academic Network of the Republic of Serbia) hubs of the University of Kragujevac.
- Part of the new equipment will provide a better internal network infrastructure.

2.5 Equipment installed and set up

- In progress.

2.6 Distance learning platform created

- P3 - Moodle platform created and adopted on April 10th 2019 at the Google Cloud Server, which was leased by the Faculty of Philology and Arts, and is fully operational at URL <http://www.filum.kg.ac.rs/moodle/>. All the teachers have the opportunity to develop distance learning courses.
- P2 – interactive video recordings are currently being edited, and are scheduled to be published in December 2019.
- P1 – in progress according to the plan.



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