



Co-funded by the
Erasmus+ Programme
of the European Union



Ivana Kovacic

SENVIBE – Strengthening educational capacities by building competences and cooperation in engineering subjects



PROJECT SENVIBE

**‘STRENGTHENING EDUCATIONAL CAPACITIES BY
BUILDING COMPETENCES AND COOPERATION IN
THE FIELD OF NOISE AND VIBRATION ENGINEERING’**

Call Erasmus+

Capacity Building in Higher Education EAC/A05/2017

598241-EPP-1-2018-1-RS-EPPKA2-CBHE-JP

Duration: 15 Nov 2018 – 14 Nov 2022

WHY SENVIBE?

MOTIVATION:

Chapter 27 on Environmental Protection in Serbia's EU accession negotiations:

'... no progress has been made in the field of noise. What is needed is strategic planning, strengthening capacities and more investments...'

OPPORTUNITIES:

Erasmus+ KA2 CBHE, National priorities for Serbia:

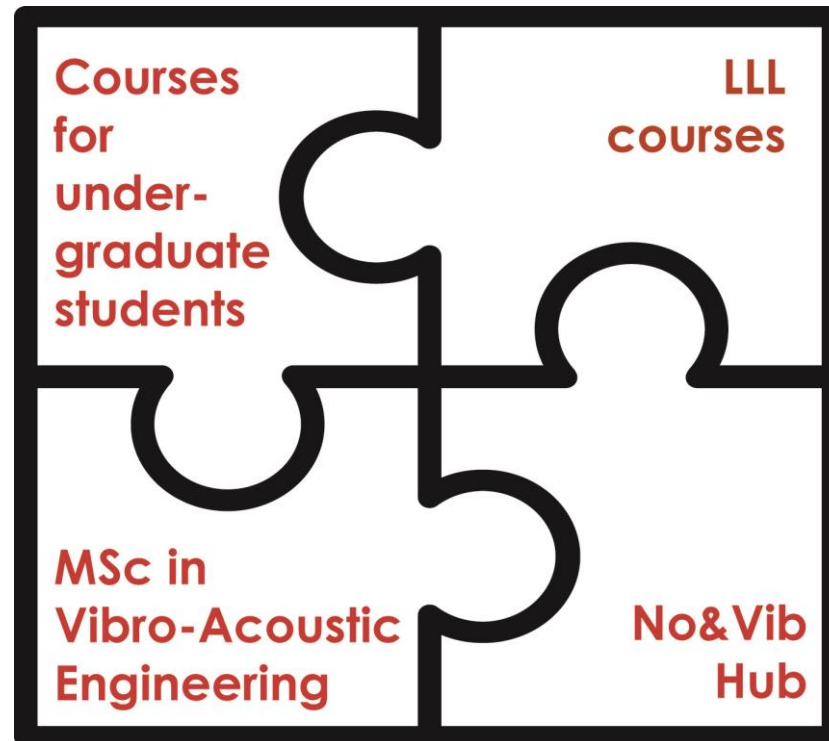
- Curriculum development
- Engineering and engineering trades
- University-enterprise cooperation

SENVIBE FOCUS:

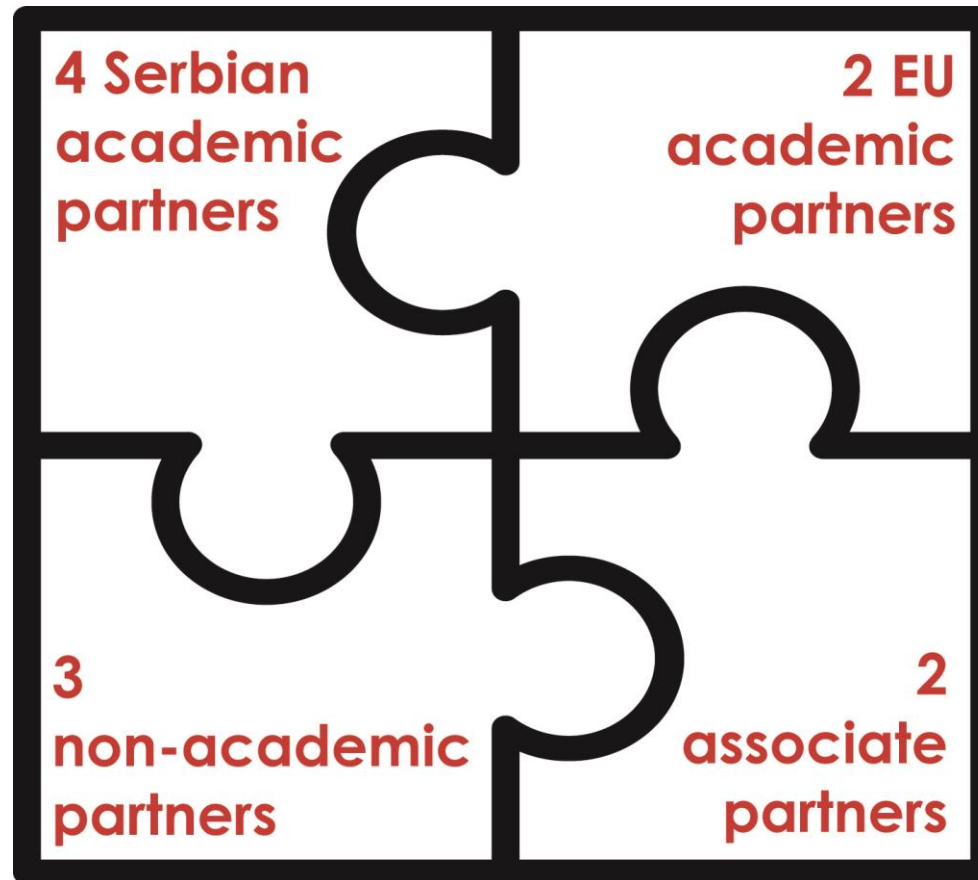
Noise and Vibration (No&Vib)

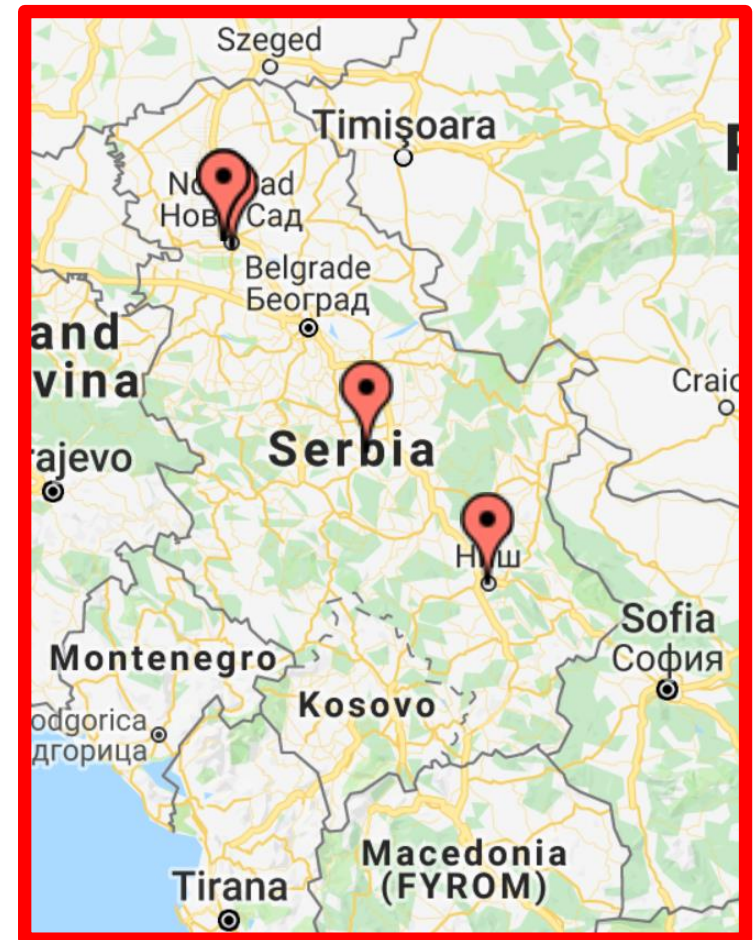
HOW CAN SENVIBE STRENGTHEN EDUCATIONAL CAPACITIES, BUILD COMPETENCES AND COOPERATION IN THE NO&VIB FIELD?

VIA 4 SPECIFIC OBJECTIVES (SPO):



SENVIBE CONSORTIUM



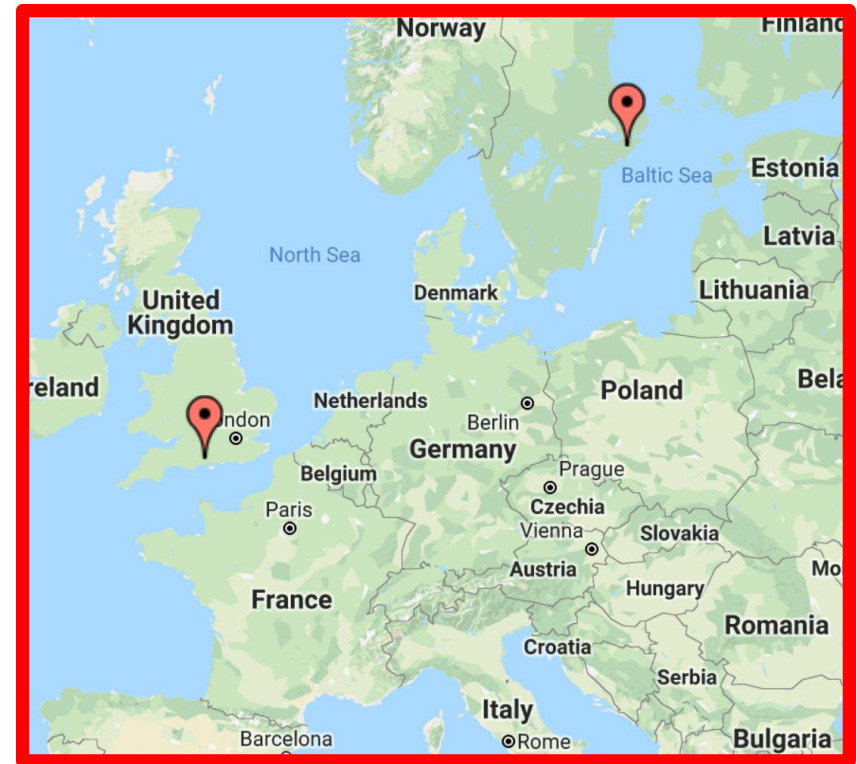


P1. University of Novi Sad (UNS)

P4. University of Nis (UNI)

P5. University of Kragujevac (UniKG)

P6. EDUCONS University, Sremska Kamenica (UESK)



P2. Kungliga Tekniska Högskolan, Stockholm, Sweden (KTH)

P3. University of Southampton, Institute of Sound and Vibration Research, Southampton, United Kingdom (UoS-ISVR)



P7. Provincial Secretariat for Urban Planning and Environmental Protection, Novi Sad (SUPEP)

P8. Union of Employers of Vojvodina, Novi Sad (UPV)

P9. Institute for Occupational Health, Novi Sad (IOH)

ACHIEVING ALSO...

- New teaching & learning material, enhanced with e- and b-learning approaches
- Training of academics & non-academics
- ICT platform e-SENVIBE
- No&Vib equipment for 4 Serbian HEIs
- UNS gets No&Vib Lab for the first time ever

RESULTS

7 REPORTS FROM THE PREPARATION PHASE:

<https://senvibe.uns.ac.rs/blog/>

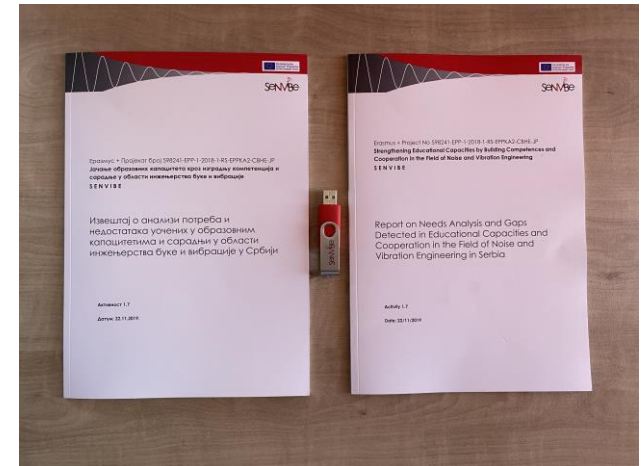
COVERING EU & SERBIA OR EU ONLY:

- Survey and comparison of **Serbian and EU education in Noise and Vibration** (96 pages);
- Review and Analysis of the **Existing MSc Vibro-Acoustic Engineering Programmes in EU** (62 pages);
- Linking Stakeholders in the Field of Noise & Vibration in the EU via **Different Forms of Hubs**: Examples of Good Practice (80 pages);
- No&Vib Hub: Matching the **EU Trends** with the Needs in Serbia (15 pages).

FOR SENVIBE DEVELOPMENT PHASES:

- Report on Tailor-Made **Learning Goals and Outcomes** (Learning goals and Outcomes **for Students of six Engineering Departments**) (*11 pages*);
- Report on Tailor-Made **Learning Outcomes for LLL courses** (*34 pages*);
- Report on **Learning Outcomes for an MSc** Vibro-Acoustic Engineering Programme (*9 pages*);


FINAL Report on Needs Analysis and Gaps Detected in Educational Capacities and Cooperation in the Field of Noise and Vibration Engineering in Serbia (42 pages)



DISTRIBUTED TO:

- All partners
- Consortium of the Universities in Serbia
- Ministry of Education, Science and Technological Development
- Ministry for Environmental Protection
- Leader of Working Group for Chapter 27

ACHIEVED SO FAR



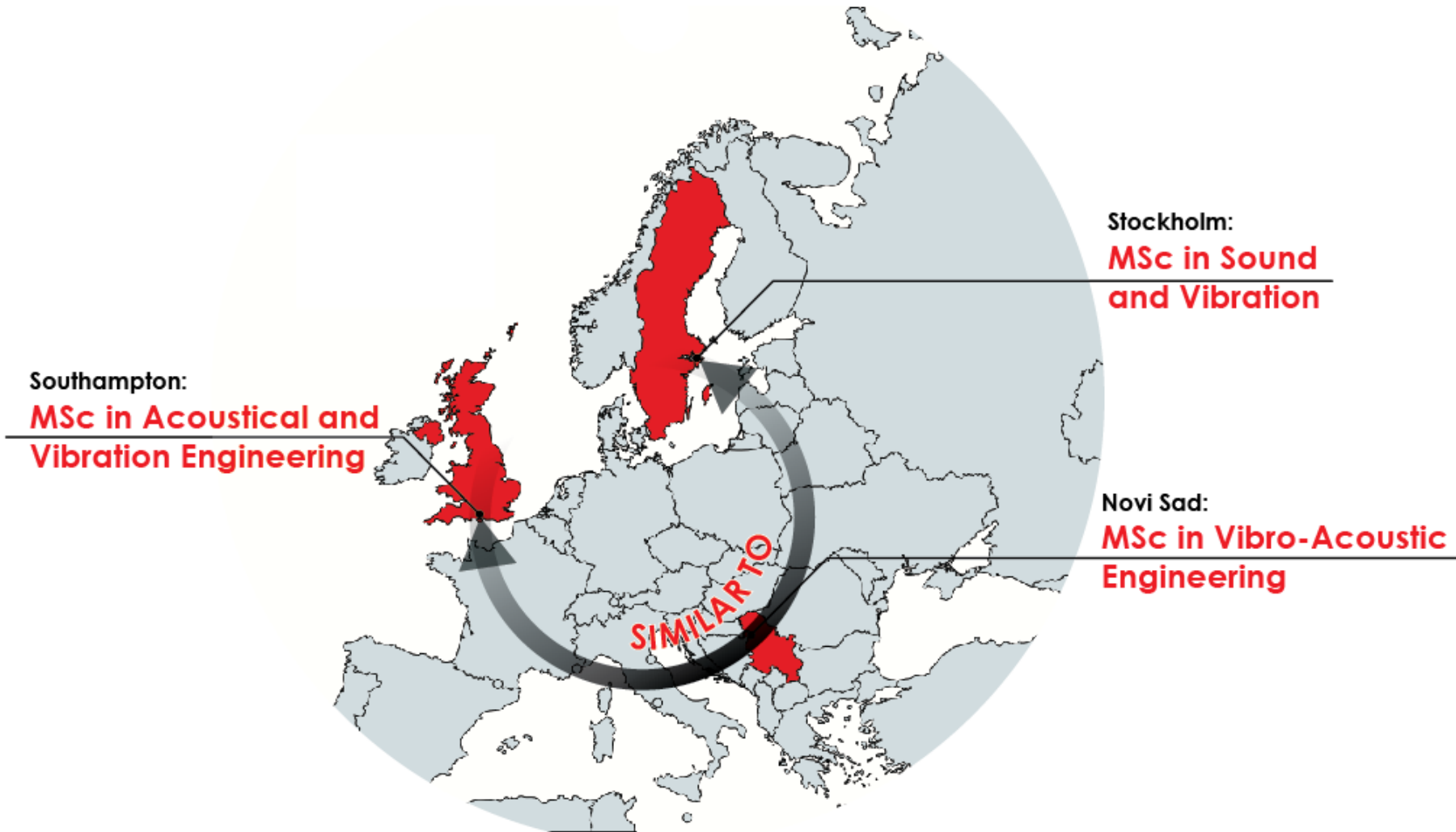
**Courses
for
under-
graduate
students**

- **4 new ones**
- **9 redesigned**
- **9 modules redesigned**

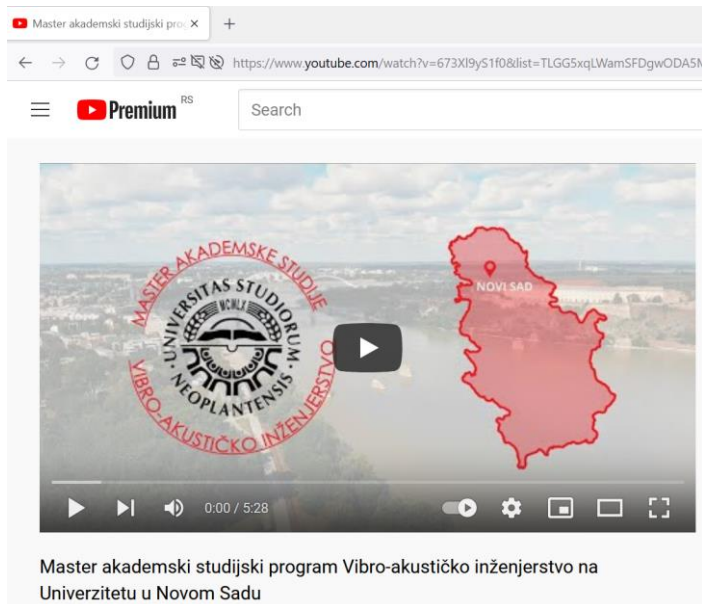
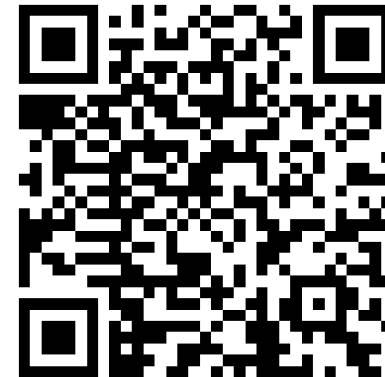


MSc in Vibro-Acoustic Engineering

- **New title 'MASTER of VIBRO-ACOUSTIC ENGINEERING (VAE)' registered in Serbia for the first time ever**
- **MSc VAE developed**
- **12 new courses (modules)**
- **Accredited**
- **Students being enrolled!**

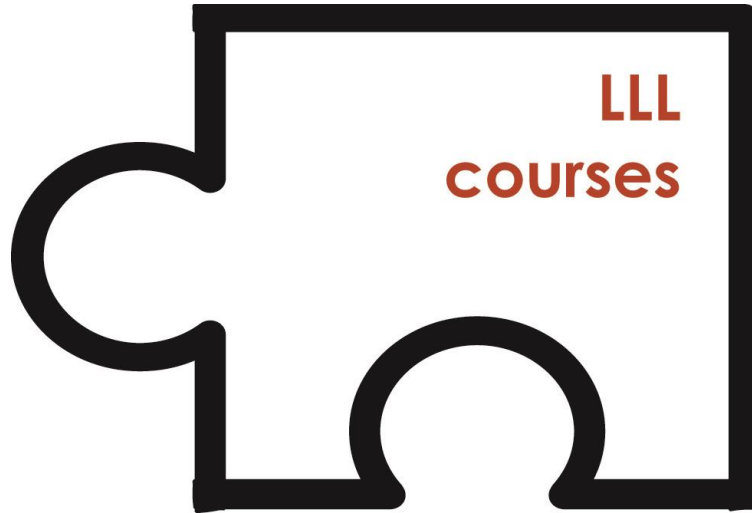


INFO: <https://senvibe.uns.ac.rs/new-msc/>



Master akademski studijski program Vibro-akustičko inženjerstvo na Univerzitetu u Novom Sadu





- One LLL course developed
- One LLL implemented on-line

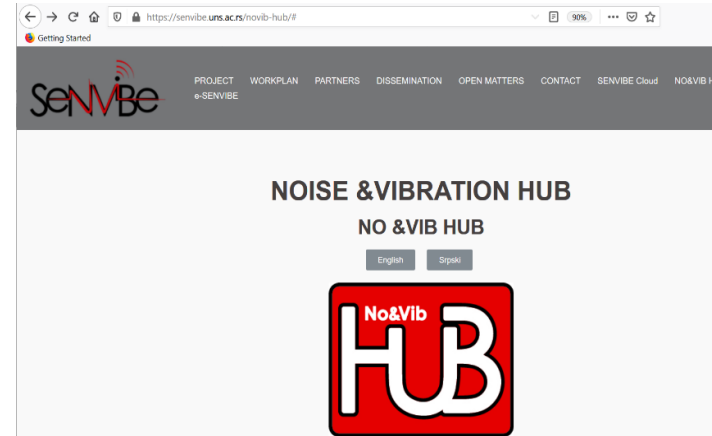


- **Bilingual SENVIBE Glossary in Vibro-Acoustics written and published**





- **Virtual platform**



- **Memorandum of Understanding signed by 39 entities (15 promised in the proposal)**

- **Education and research sector**
- **Government sector**
- **Business sector**
- **Professional sector and expert services groups**
- **Non-governmental sector**

TRAINING OF 30 TEAM MEMBERS FROM SERBIA

SENVIBE Training 1&2: KTH, Stockholm & ISVR, Southampton



Training 3&4: postponed due to COVID-19

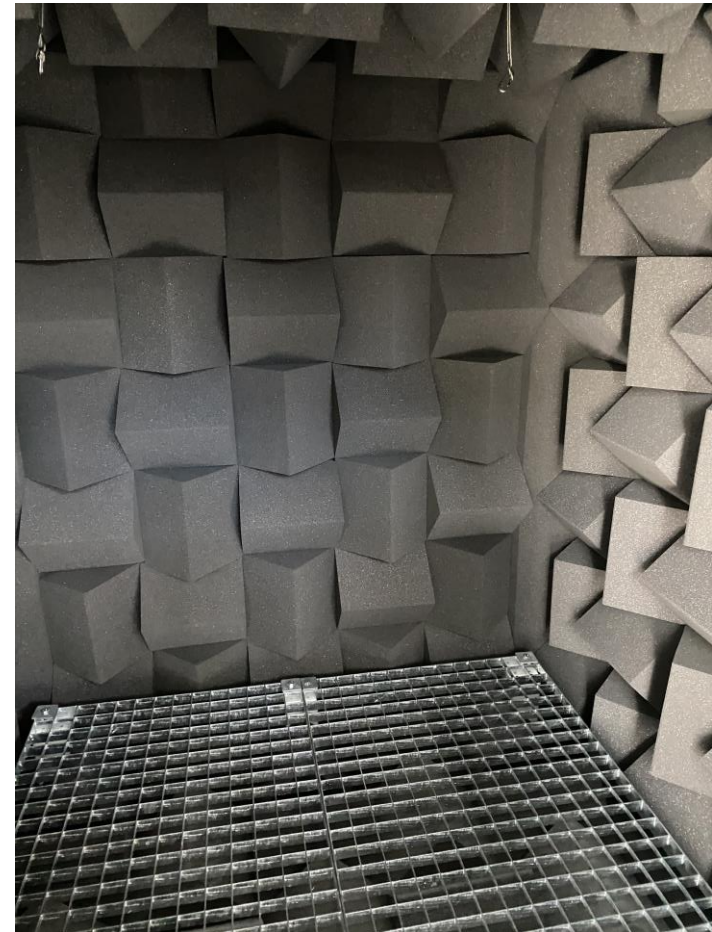
PROCUREMENT, INSTALLATION AND ACTIVATION OF THE EQUIPMENT



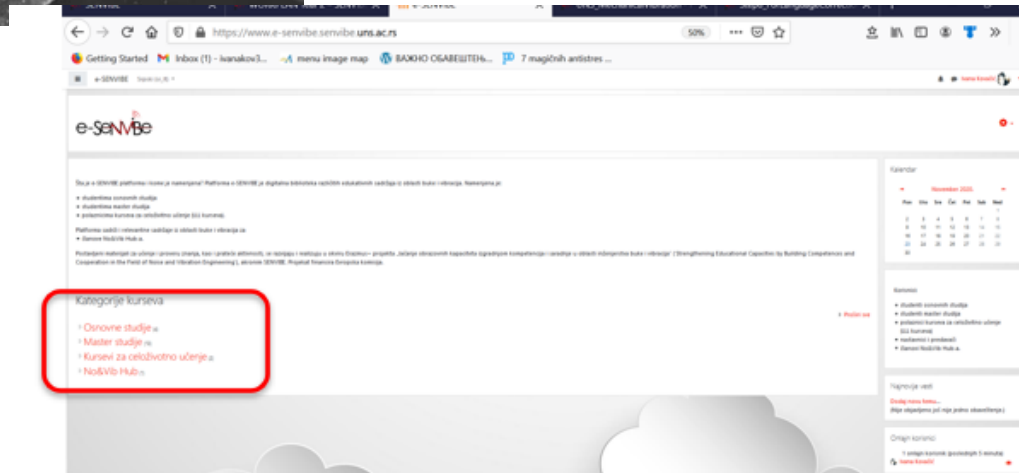
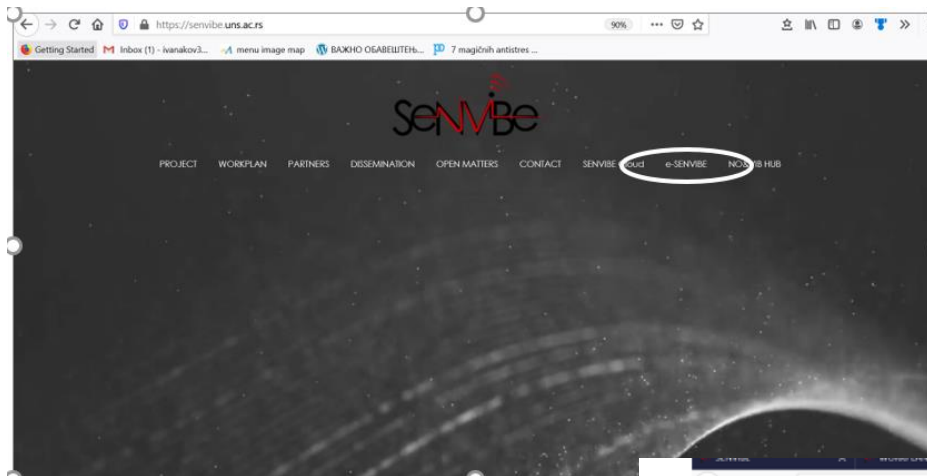
UNS GOT THE FIRST VibLab



UNS GETTING THE FIRST ANECHOIC CHAMBER

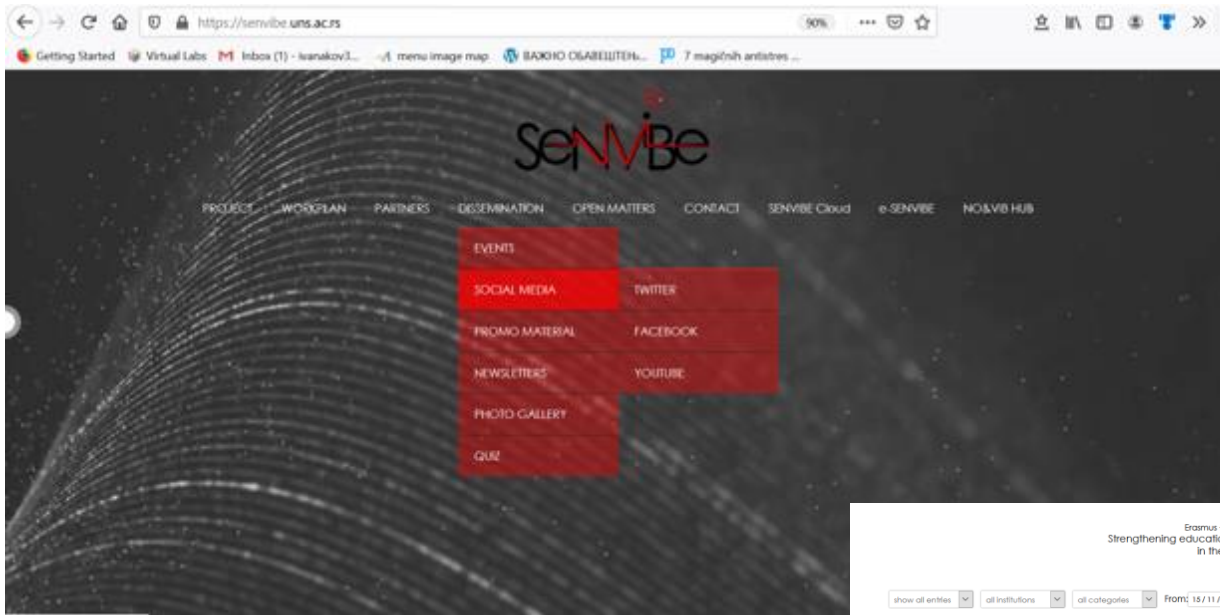


e-SENVIBE (MOODLE)



DISSEMINATION

www.senvibe.uns.ac.rs



Erasmus + Project No598241-EPP-1-2018-1-RS-EPPKA2-CBHE-JP1
Strengthening educational capacities by building competences and cooperation
in the field of Noise and Vibration Engineering
SENVIBE

show all entries | all institutions | all categories | From: 15/11/2018 To: 14/11/2021 Search

| Event | Partner | Place and Date | Dissemination Level | Targeted Audience Type | Targeted Audience Number |
|--|---------|----------------|---------------------|--|--|
| TV Radio Television of Vojvodina (public broadcasting, "Novosadskic" afternoon programme) | UNS | 20/11/2018 | Regional | Wider audience | Population of the Autonomous Province of Vojvodina |
| Novosadska TV, "Novosadsko popodne" (evening programme) | UNS | 20/11/2018 | Local | Wider audience | Population of the City of Novi Sad |
| Web site of the Radio Television of Vojvodina | UNS | 20/11/2018 | Regional | Wider audience | Population of the Autonomous Province of Vojvodina |
| Web site of Novosadska TV | UNS | 20/11/2018 | Local | Wider audience | Population of the City of Novi Sad |
| Web site of the news dissemination portal navi.uns.ac.rs | UNS | 20/11/2018 | National | Wider audience | Statistics of visits to be added |
| Web site of the news dissemination portal www.ves.rs | UNS | 20/11/2018 | National | Wider audience | Statistics of visits to be added |
| Announcement of the Kick-off meeting on the Union Facebook page #SENVIBE | UPV | 20/11/2018 | National | wider audience | Population of the Republic of Serbia |
| Announcement of the "Kick-off dinner" on the Union Facebook page #SENVIBE | UPV | 20/11/2018 | National | wider audience | Population of the Republic of Serbia |
| Announcement of the media coverage of Radio Television of Vojvodina on Union Facebook page | UPV | 20/11/2018 | National | wider audience | Population of the Republic of Serbia |
| Announcement of the media coverage of Novosadska TV on Union Facebook page | UPV | 20/11/2018 | National | wider audience | Population of the Republic of Serbia |
| Announcement of the Kick-off meeting on the university web-site | UNS | 21/11/2018 | Institution | Teaching Staff, Students, Administrative Staff, Wider audience | Statistics of visits to be added |

During the first 18 months:

more than 100 dissemination activities

SENVIBE ON-LINE

www.senvibe.uns.ac.rs

