

ERASMUS+ 35 YEARS UV' PERFORMANCE

Writing project proposals: secrets to success

Prof. dr Danilo Nikolić

29/09/2022 Vlore, Albania

BIOGRAPHY

Academic advances:

- Full professor (2017 -)
- Associate professor (2009 – 2017)
- Assistant professor (2003 – 2009)
- Teaching assistant (1995 – 2003)

University of Montenegro Management:

- Dean of the Faculty of maritime studies Kotor (2011 – 2017)
- Rector of the University of Montenegro (2017 - 2021)

Managing International projects

PROGRAM	PROJECT TITLE	YEAR	TOTAL VALUE
ERASMUS + CBHE	Development of regional joint master program in Maritime environmental protection and Management (MEP&M)	2021 - 2024	0,845 mil €
ERASMUS + CBHE	Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries – BLUEWBC	2020 - 2023	0,99 mil €
IPA	Protection underwater heritage through its digitalization and valorisation as a novel touristic offer – WRECKS4ALL	2020 - 2022	1,2 mil €
IPA	Innovative Systems to enhance Antifraud Customs Controls	2020 - 2022	1,1 mil €
IPA	Partnership for the Promotion of a Maritime Cross-border Strategy	2020 - 2021	0,099 mil €
ERASMUS + CBHE	Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planning – IESP	2019 - 2021	0,68 mil €
IPA	Partnership for the Observation and study of new Routes and Transnational Sea-highways – PORTS	2018 - 2020	1,1 mil €
HERIC	Knowledge transfer for increased maritime competences in MNE - EDUMAR	2016 - 2017	0,055 mil €
HERD	Montenegro Sustainable Maritime Competence Development Initiative	2013 - 2016	1,4 mil €
TEMPUS	Modernizing and harmonizing maritime education in Montenegro and Albania - MARED	2013 - 2017	1,2 mil €
TEMPUS	Development of Sustainable Interrelations between Education, Research and Innovation at WBC Universities in Nanotechnologies ... - WIMB	2013 - 2017	1,2 mil €

TOTAL

9 mil €

International projects with UV as a partner

PROGRAM	PROJECT TITLE	YEAR	TOTAL VALUE
ERASMUS + CBHE	Development of regional joint master program in Maritime environmental protection and Management (MEP&M)	2021 - 2024	0,845 mil €
ERASMUS + CBHE	Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries – BLUEWBC	2020 - 2023	0,99 mil €
TEMPUS	Modernizing and harmonizing maritime education in Montenegro and Albania - MARED	2013 - 2017	1,2 mil €
TOTAL			3 mil €

Additional projects with UV as a partner

PROGRAM	PROJECT TITLE	YEAR	TOTAL VALUE
ERASMUS + CBHE	Reforming doctoral studies in Montenegro and Albania – good practice paradigm - MARDS	2019 - 2022	0,868 mil €
ERASMUS + CBHE	Toward zero carbon maritime transport and logistics in WBC – ZeroC	?	?
TOTAL			3,9 mil €

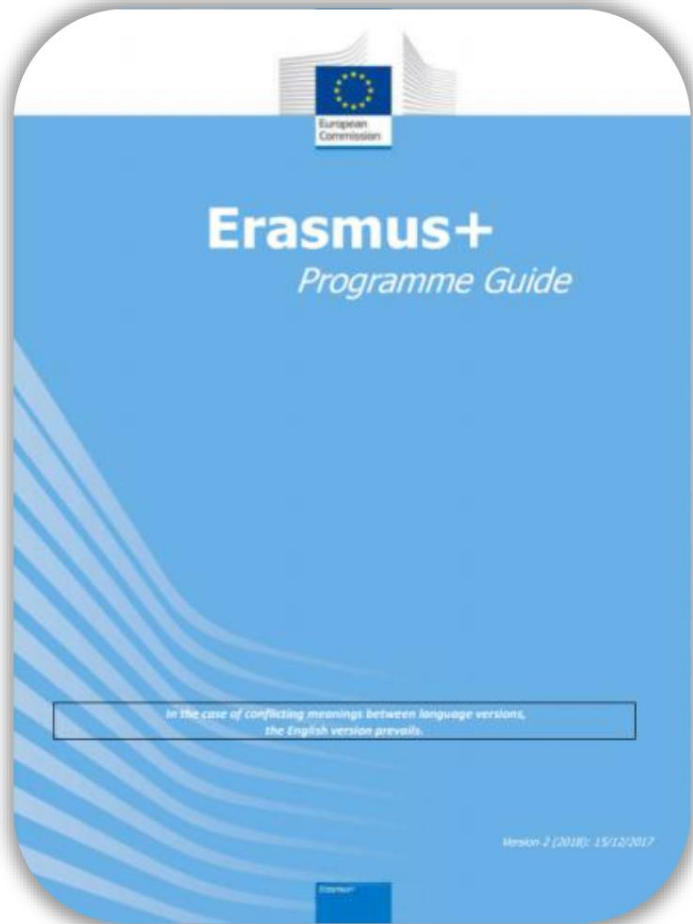
KEY elements for preparing competitive project proposal

Your project idea



Your project idea is a fit? Get ready to apply...

Getting ready to apply for Erasmus+ program



- Read the relevant call for proposals
- Consult the applicable Erasmus+ program guide
- Get familiar with the application form
- Check the Erasmus+ Project Results Platform to explore projects funded in the past, find inspiration and avoid repeating
- Check the website of the national Erasmus + office for additional info

Writing the proposal - Have a clear concept!

- You should be able to answer the following questions:
 - ✓ What do you want to do?
 - ✓ Why do you want to do it?
 - ✓ How are you going to do it?
 - ✓ Who do you want to work with?
 - ✓ What is the expected impact?



Writing the proposal – Check the eligibility requirements!

Make sure that the proposal is formally correct and eligible !

Check the text of the call and the program guidelines for the following information:

- What are the formal submission requirements?
- What are the thematic priorities the project needs to address?
- What are the rules for the composition of the partnership (number of partners, number of countries, status of the applicant, eligibility of partner institutions, etc.)?
- What is the grant size (minimum/maximum) and possible project duration?
- What ceilings are there for specific items in the budget?



Writing the proposal - Make it easy for the evaluators!

- CONSISTENT** *e.g. use uniform abbreviations and terms*
- COHERENT** *e.g. avoid contradictions between different sections in the application, avoid “patchwork”*
- SIMPLE** *e.g. a few concise sentences (clear and to the point) are better than long and/or vague explanations*
- CONCRETE** *e.g. provide examples, justify your statements – refer to research, policy papers, needs analysis, etc.*
- CLEAR** *e.g. follow the questions and answer them in the right order*
- EXPLICIT** *e.g. do not expect the evaluators to know what you are talking about, do not assume anything – the evaluators cannot read your mind; avoid abbreviations or explain them*
- FOCUSED** *e.g. make sure you understand the questions and provide the required answers (stick to what is actually asked!)*
- COMPLETE** *make sure that your proposal is complete, including all required annexes, and that it meets all the mandatory (formal) requirements*

Writing the proposal – Proposal assesment !

The evaluators will assess your proposal against four main criteria:

1. Relevance of the project
2. Quality of the project design and implementation
3. Quality of the project team and the cooperation arrangements
4. Impact and sustainability



Writing the proposal – Proposal assesment !

Relevance of the project:

- ✓ Objectives and priorities of the call,
- ✓ Needs analysis,
- ✓ Aim of the project,
- ✓ Innovation .

Writing the proposal – Proposal assesment !

Quality of the project design and implementation

- ✓ Activities and work plan
- ✓ Quality control
- ✓ Cost-effectiveness
- ✓ Challenges and risk management
- ✓ Key concepts explained
 - Wider objective
 - Specific objective
 - Outputs
 - Outcomes
 - Activities

Writing the proposal – Proposal assesment !

Quality of the project team and the cooperation arrangements:

- ✓ Partnership composition
- ✓ Tasks and responsibilities
- ✓ Communication and decision making

Writing the proposal – Proposal assesment !

Impact and sustainability:

- ✓ Impact of the project
- ✓ Dissemination and exploitation
- ✓ Sustainability

Examples of successful project ideas

MArED basic info

<input type="checkbox"/> Project title:	Modernizing and harmonizing maritime education in Montenegro and Albania
<input type="checkbox"/> Acronym:	MArED
<input type="checkbox"/> Program:	TEMPUS IV – 6th Call
<input type="checkbox"/> Financed by:	EC
<input type="checkbox"/> Period:	36 months
<input type="checkbox"/> Grant:	1.154.778,99 €
<input type="checkbox"/> Coordinator	Danilo Nikolic

MAReD project Goal



The main goal of MAReD project is to overcome a problem of competent and qualified human resources in maritime sector in Montenegro and Albania.

MAReD project Outcomes

Goals



- A. Revision of existing and development of new undergraduate maritime study programmes in line with STCW convention and IMO model courses,**
- B. (Re)accreditation and start-up of curricula,**
- C. Improving infrastructural and teaching resources,**
- D. Establishing a mobility scheme between EU and PC universities,**
- E. Fostering cooperation between academia and maritime sector.**

BLUEWBC basic info

- ❑ **Project title:** Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries
- ❑ **Acronym:** BLUEWBC
- ❑ **Program:** Erasmus +, KA2 - Cooperation for innovation and the exchange of good practices
- ❑ **Action:** CBHE
- ❑ **Financed by:** EC
- ❑ **Period:** 36 months
- ❑ **Grant:** 985.755,00 €
- ❑ **Coordinator** for UoM - Danilo Nikolic

BLUEWBC project Goal



The main aim of the BLUEWBC project is to propose a way to improve the current state of innovation and entrepreneurship in the blue economy sector in Montenegro and Albania, through capacity building in higher education and connecting the academic community with the industry sector.

BLUEWBC project Outputs

Goals

- A. Modernize existing and develop new courses at higher education institutions in Montenegro and Albania (UCG, UV and UT) related to I&E in the blue economy in undergraduate and master's study programs.
- B. Revise existing and develop new modern teaching materials.
- C. Conduct training for the academic staff of these higher education institutions.
- D. To additionally train master's degree students and professionals in the field of I&E.
- E. Provide new equipment for practical exercises at these institution.
- F. To establish I&E centers at these institutions.

MEP&M basic info

- | | |
|------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Project title: | Development of Regional Joint Master Program in Maritime Environmental Protection and Management |
| <input type="checkbox"/> Acronym: | MEP&M |
| <input type="checkbox"/> Program: | Erasmus +, KA2 - Cooperation for innovation and the exchange of good practices |
| <input type="checkbox"/> Action: | CBHE |
| <input type="checkbox"/> Financed by: | EC |
| <input type="checkbox"/> Period: | 36 months |
| <input type="checkbox"/> Grant: | 845.188,00 € |
| <input type="checkbox"/> Coordinator | Danilo Nikolic |

MEP&M project Goal



The main goal of MEP&M project is solving multiple issues in the field of coastal zone and marine environment protection as one of priorities toward EU accession process for all.

MEP&M project Outputs

Goals



- A. To develop regional joint interdisciplinary MSc program on English language, to address the long-term needs in specific issues of coastal and marine environmental protection and management in South Adriatic and Ionian Seas, thus strengthening international competitiveness of Montenegrin and Albanian HEIs.**
- B. To build up human and technical capacities of PC HEIs to support new MSc program in MEP&M.**
- C. To enhance networking among PC HEIs, governmental institutions, Blue economy sector enterprises and NGOs in order to act regionally in order to prevent and cope with consequences of global climate change and local/regional marine pollution.**

IESP basic info

<input type="checkbox"/> Project title:	Fostering Internationalization at Montenegrin HEIs through Efficient Strategic Planning
<input type="checkbox"/> Acronym:	IESP
<input type="checkbox"/> Program:	Erasmus +, KA2 - Cooperation for innovation and the exchange of good practices
<input type="checkbox"/> Action:	CBHE
<input type="checkbox"/> Financed by:	EC
<input type="checkbox"/> Period:	24 months
<input type="checkbox"/> Grant:	683,014 €
<input type="checkbox"/> Coordinator	Danilo Nikolic

IESP project Goal



To enhance international competitiveness of Montenegrin HEIs, by providing the best model for strengthening capacities of various aspects of internationalization

IESP project Outputs



- A. Development of institutional strategies of internationalization with action plans**
- B. Development of mechanisms for monitoring and evaluation of internationalization**
- C. Enhancement of teaching and administrative staff knowledge and skills for participating in the process of internationalization**
- D. Enhancement of preconditions for the increase of mobility**

Benefits of Erasmus + CBHE projects for beneficiary University in partner Country



Activities within Center:

- Research and Innovation;
- Project activities;
- Provider of Life Long Learning;
- Supporting activities between academia nad industry
- Supporting student start ups.

Labs:

- SMART BAY Lab;
- 3D Lab;
- Lab for liquid fuels;
- Underwater ship archeology.

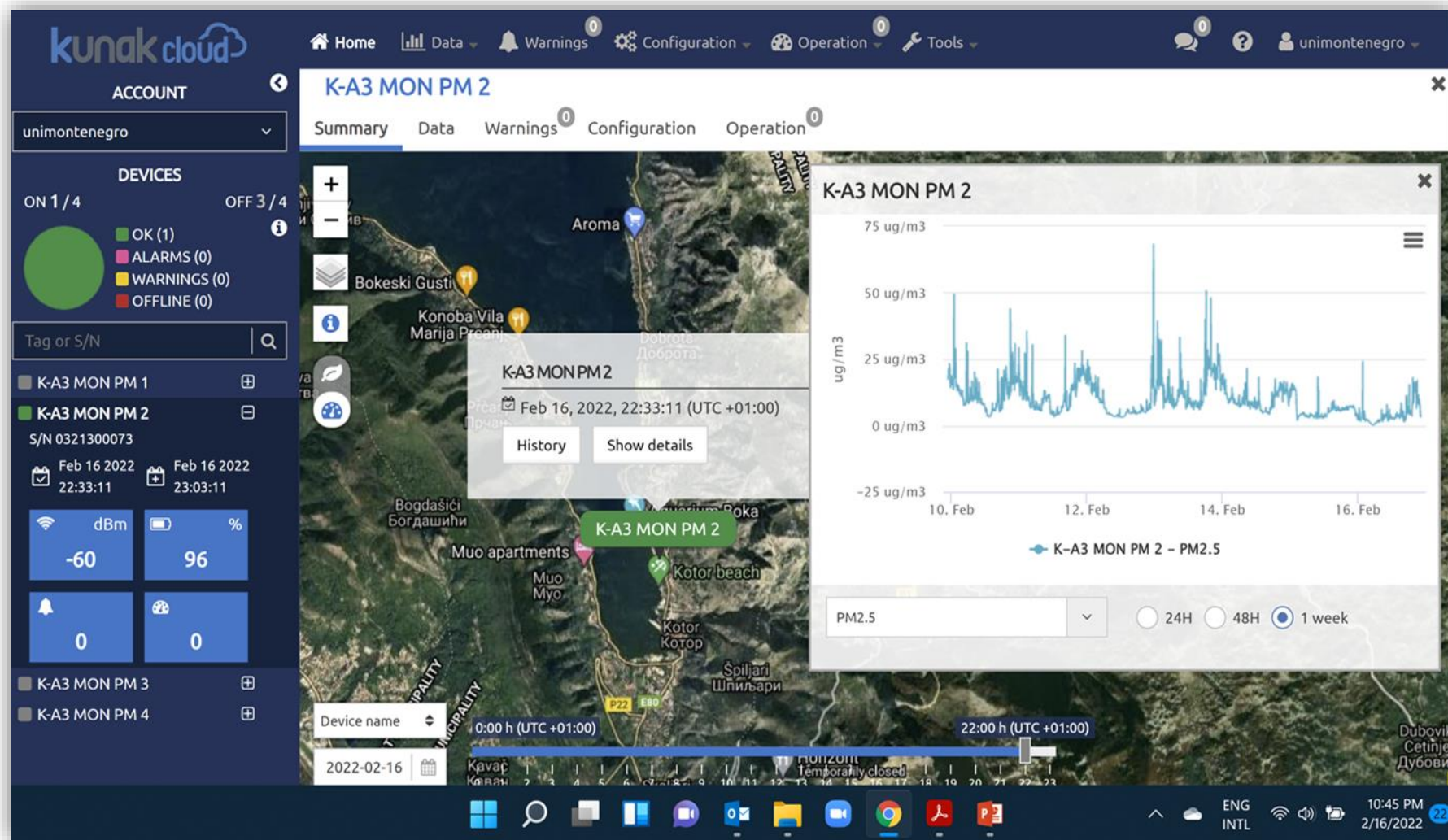
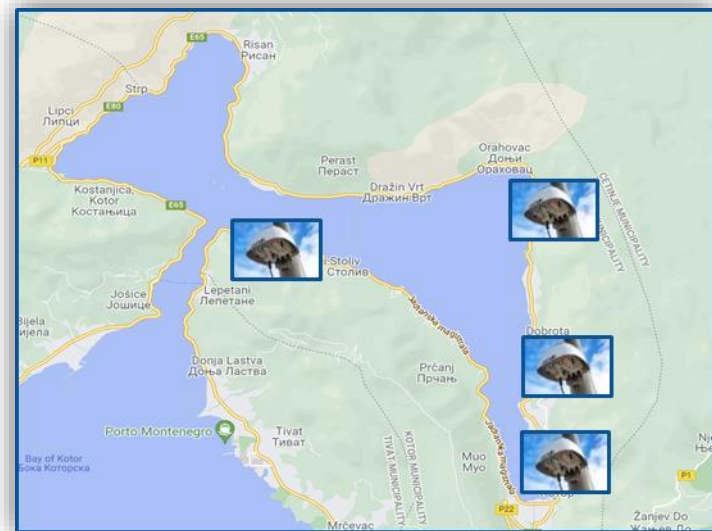
Personnel:

- Prof. dr Danilo Nikolić
- MSc Radmila Gagić
- PhD Maja Škurić
- MSc Darko Kovačević



SMART BAY LAB

SMART BAY – KUNAK PM Particle sensors (BLUEWBC)



Plan u 2022: SO₂, O₃, NO_x

SMART BAY – TSI Optical particle sizer (OPS) 3330



SMART BAY – Equipment for underwater research

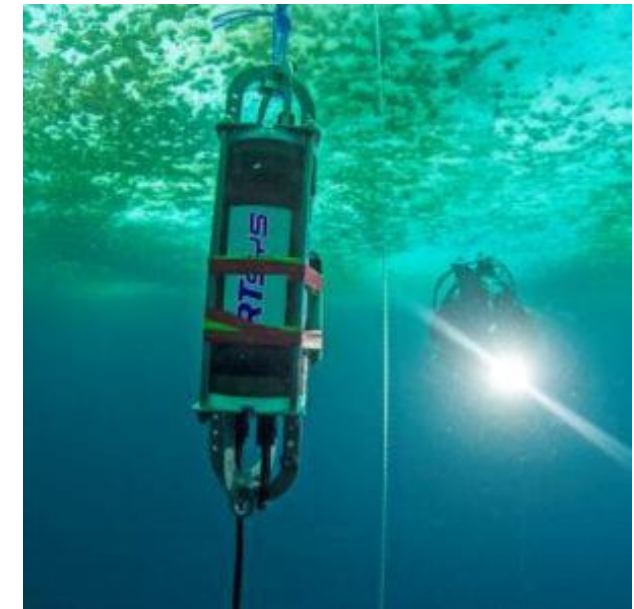


Multi-parameter Water Quality Checker

Horiba U-50 series Multi-parameter water quality checker



Underwater acoustic recorder & Hydrophone



BlueROV2

SMART BAY – Lab for liquid fuels and exhaust emission



Dodatak Sertifikatu o akreditaciji - identifikacioni broj: 0095
Annex to Accreditation Certificate - identification number: 0095

Datum izdavanja dodatka: 29.12.2020.
Issue date of annex: 29.12.2020.
Zamjenjuje dodatak:
Replaces Annex dated:

Dodatak Sertifikatu o akreditaciji sa akreditacionim brojem Li 20.31
Annex to Accreditation Certificate Accreditation Number Li 20.31

Standard: MEST EN ISO/IEC 17025:2018

Datum dodjele /obnavljanja akreditacije:
Date of granting / renewal of accreditation:
29.12.2020./

Akreditacija važi do: 28.12.2024.
Accreditation is valid to: 28.12.2024.

Akreditovana laboratorija za ispitivanje
Accredited laboratory of testing

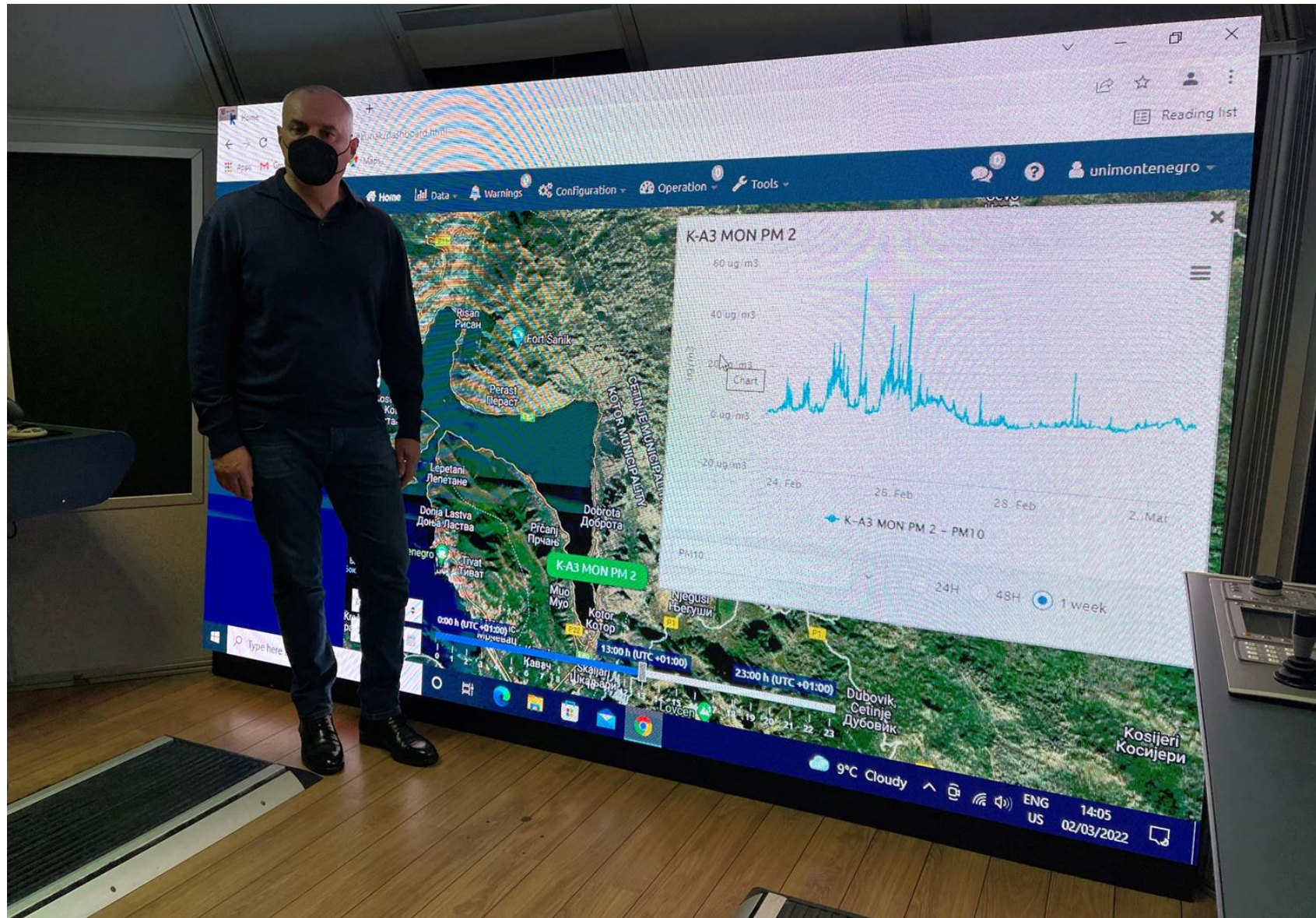
Univerzitet Crne Gore
Pomorski fakultet Kotor
Laboratorija za ispitivanje nafte i naftnih derivata
Dobrota br. 36, Kotor

Područje akreditacije / Scope of accreditation
Fizičko-hemijska ispitivanja tečnih goriva naftnog porijekla
Physical-chemical testing od liquid fuels of petroleum origin

TESTO 350 MARITIME

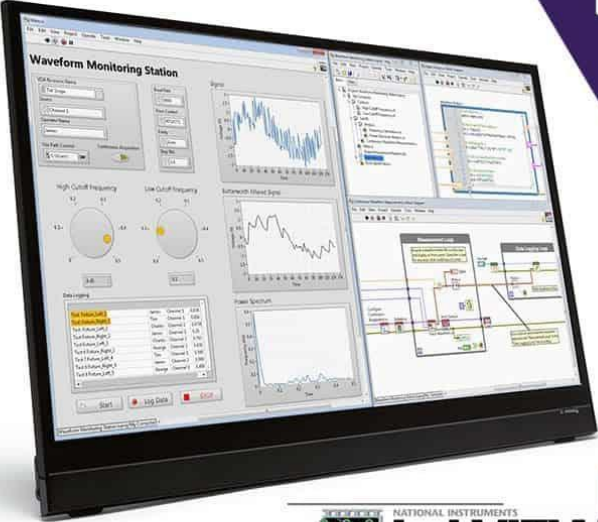


SMART BAY – Led Wall 2x3m (BLUEWBC)




SMART BAY – Software (BLUEWBC)

INDUSTRY 4.0
SOFTWARE




LabVIEW


ONLINE COURSE
**INDUSTRIAL
PROGRAMMING**



SELF PACED
COURSE



**LOCKDOWN
SPECIAL EDITION**
4 WEEKS ONLINE COURSE



DIYGURU.ORG

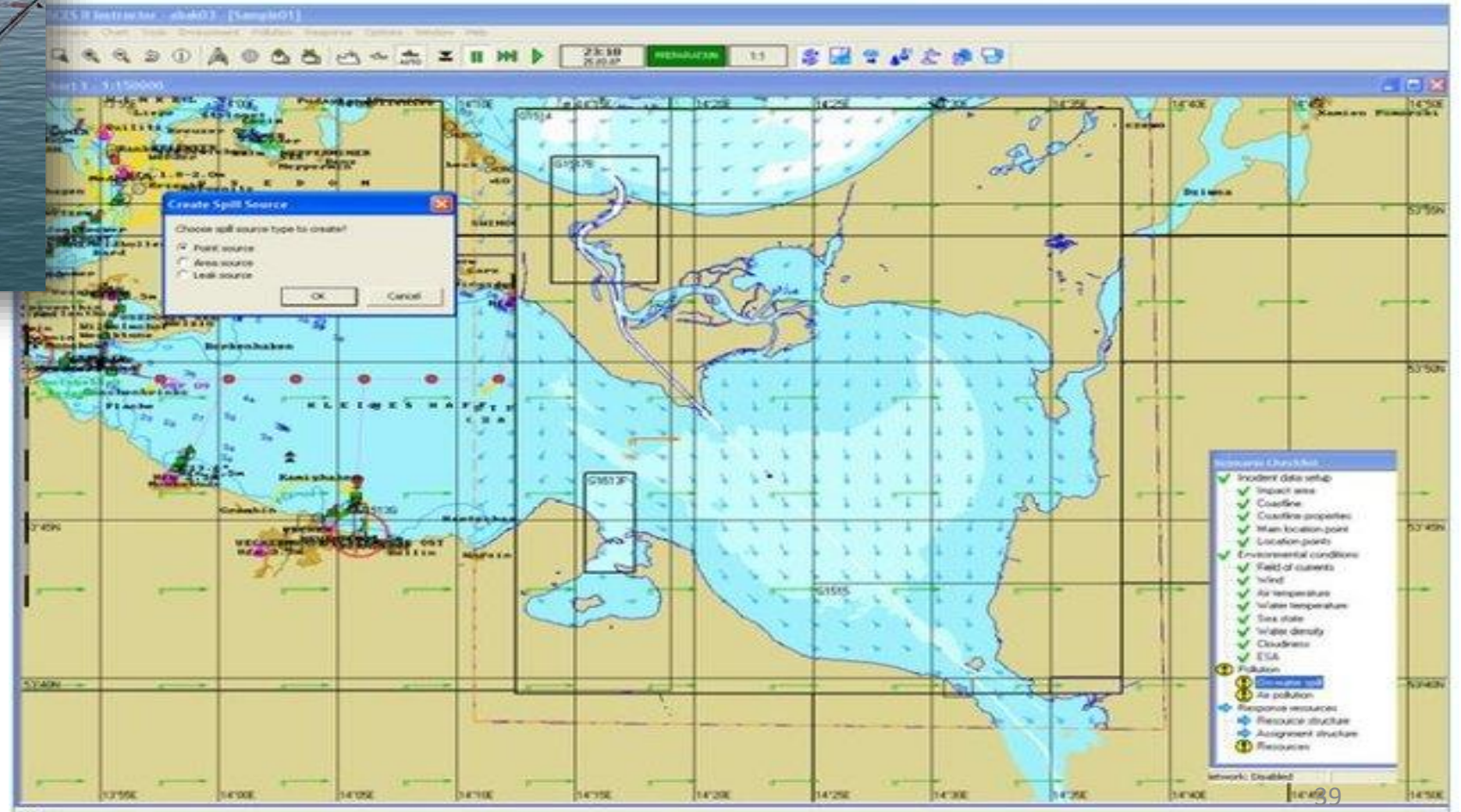
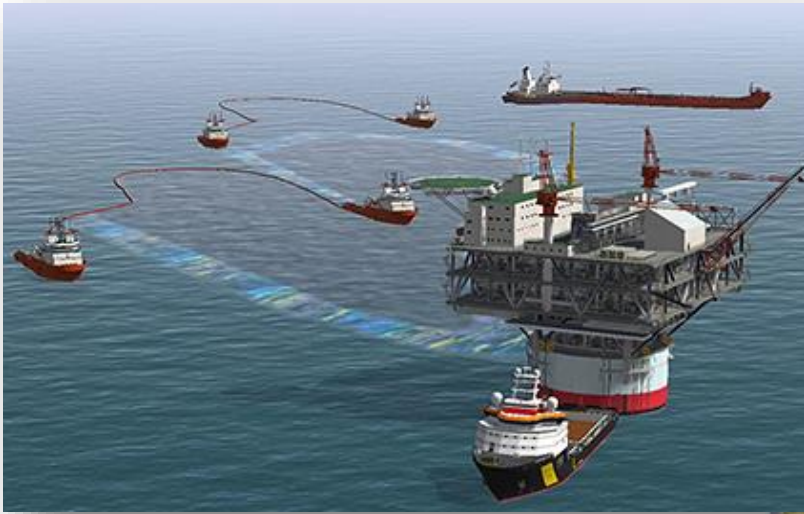
Statistical Package for the Social Sciences (SPSS)

IBM SPSS Statistics 19.0



Yupaporn Siribut

SMART BAY – Wärtsilä Oil Spill Response Sim

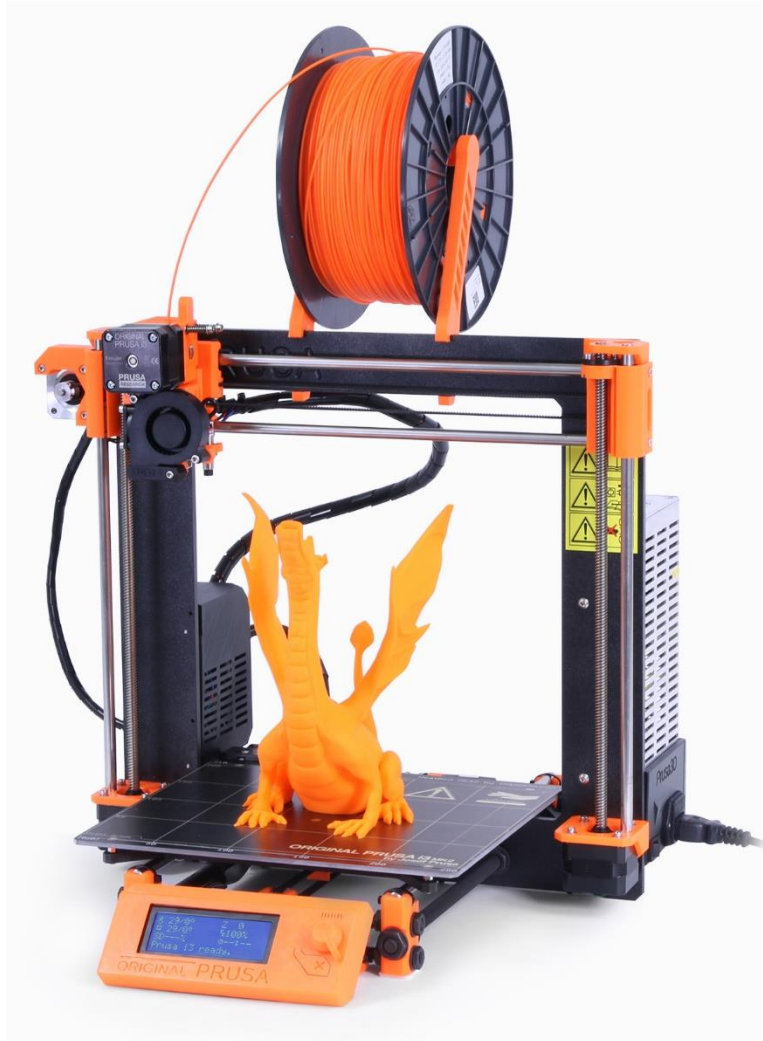


3D LAB

3D LAB - Artec Spider 3D Scanner (BLUEWBC)



3D LAB - 3D printer Prusa i3 (BLUEWBC)



GHOSTING



LAYER SHIFTING



PERFECT!

3D LAB - Tobii 3 Eye-tracking glasses (BLUEWBC)



- What is eye-tracking? Eye-tracking is a sensor technology which enables an electronic device to measure a person's point of gaze. The process can detect the focus of the user and can offer unique insights into human behaviour as well as giving invaluable assistive support for those with physical disabilities.
- Eye-tracking is proving an invaluable tool in academic and market research. It is one of the most efficient techniques for capturing subconscious and objective data and has been applied in a wide range of academic research and used by leading companies in FMCG, retail, online services and advertising just to name a few.

Marine simulators

Wärtsilä/Transas Navigation simulator



Wärtsilä/Transas Engine room simulators



Rolls Royce DP Dynamic positioning sim



OSC Offshore simulator



CREATIVITY SPACE





Thank you for your attention!

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University of Montenegro

Faculty of maritime studies

www.ucg.ac.me/pfkotor