

Basic info about Technical faculty in Bor and Engineering Management Department (EMD)

A) Identification of the Applicant and other organisations participating in the project	
A) 1. Full name of the organisation in latin characters:	Technical Faculty in Bor, University of Belgrade
Acronym:	TF Bor
Erasmus University Charter number:	
PIC number	934842836
Department / Faculty:	Engineering Management Department (EMD)/Technical Faculty in Bor
Registered address:	
Street, Number:	Vojske Jugoslavije, 12
Post code:	19210
Town:	Bor
Country:	Serbia
Region:	Eastern Serbia
Internet address (Homepage):	http://menadzment.tfbor.bg.ac.rs/english/
Telephone:	+381(30) 424 547
Fax:	+ 381(30) 421 078
A) 2. Person responsible for the management of the application (contact person) – this field will be filed with the details of project coordinator (responsible person) from EMD, for each project call	
Title:	Professor
Family name:	Mihajlovic
First name:	Ivan
Role in the organization:	Full Professor
E-mail address:	imihajlovic@tfbor.bg.ac.rs
If the address is different from the address provided in section A.1	
Street, Number:	
Post code:	
Town:	
Country:	
Region:	
Telephone:	+381(64)227 36 21
Fax:	
A) 3. Person authorised to represent the organisation in legally binding agreements (legal representative)	
Title:	PhD
Family name:	Štrbac
First name:	Nada
Role in the organisation:	Dean
E-mail address	nstrbac@tfbor.bg.ac.rs
If the address is different from the address provided in section A.1	
Street, Number:	
Post code:	
Town:	
Country:	
Region:	
B) Organisation and activities	
B) 1. Structure	
Status (public or private):	public
Type of organization	Faculty / Educational - scientific
B) 2. Aims and activities of the organisation:	
Please provide a short presentation of your organisation (key activities, affiliations etc.) relating to the domain covered by the	Technical Faculty in Bor deals with education and scientific activities on following scientific areas: Engineering management , Chemical technology,

project.

Environmental protection, Extractive metallurgy, Mining, Recycling. Technical faculty in Bor is the member of University of Belgrade, which is listed among first **300 universities at Shanghai list**.

The projects in which the Faculty is, or was, involved are based on – basic, applied and developmental researches and forms of research that are in function of development of new technological processes, model based prediction tools, services and products, as well as of education processes within the scientific fields wherein this faculty has been registered. Most of the projects are from the field of environment protection, ecology, material science, optimization of production processes, defining the material flow models of complex technological processes, developing educational processes and consulting.

Engineering Management Department (EMD) was developed 15 years ago, at Technical faculty in Bor. This department is accredited (national accreditation commission of Republic of Serbia) for education at BSc, MSc and PhD level. Curriculum of Management department of Technical faculty in Bor is available at:

<http://menadzment.tfbor.bg.ac.rs/english/curriculum/>

Members of Engineering Management Department (EMD) are experts in Material flow balancing, Environmental management, Quantitative data analysis, Numerical modeling, Statistical modeling (including linear and nonlinear statistics), Modeling of industrial processes and use of simulation techniques (Optimization methods – Linear Programming, Non-linear Programming, Dynamic Programming), Data mining, Algorithm development, Information systems, E-commerce, multi-criteria models for ranking and selection of optimal solutions (Multi-criteria methods: PROMETHEE, AHP, ELECTRE), Services Marketing, Market research, Web design, E-commerce and Online marketing. Members of this department have published large number of scientific papers in international journals from SCI and SCIE lists presenting the results of our projects and research activities. The projects on which the EMD experts are included are in the scope of: Material flow analysis, Material flow management, Education and Consulting, Curriculum development, International Networks Building...

EMD was included in the international Resita network for entrepreneurship and innovations (<http://www.resitanet.eu>).

EMD publishes international scientific journal – Serbian Journal of Management (www.sjm06.com)

EMD is each year organizing International Conference on Strategic Management - <http://mksm.sjm06.com/> , as well as EMD is each year organizing International Symposium on Environmental and Material Flow Management (EMFM) jointly with the Environmental Campus Birkenfeld, University of Applied Science Trier (Germany), and the Faculty of Mechanical Engineering, University of Zenica (Bosnia and Herzegovina)-
<http://emfm.tfbor.bg.ac.rs/>

Enrolment in previous project activities:

Role of the organization in the project	Partner / Coordinator
B) 3. Other EU and International grants	
The projects for which the organization, or the department has received financial support from the EC (European Commission) and other International Programmes in the past:	
1. Programme or initiative:	
Type of project	ERASMUS +
Reference number:	
Beneficiary organisation/department:	University of Belgrade, Technical Faculty in Bor, Engineering Management Department
Project participant from Management Department – TF Bor:	5 students and 2 professors
Title of project:	Erasmus + Programme, Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility, between University of Eastern Finland, Joensuu, Finland and University in Belgrade, Technical Faculty in Bor
The source of financial support:	European Commission, through National agency of Finland
2. Programme or initiative:	
Type of project	ERASMUS +
Reference number:	485-5512/2015
Beneficiary organisation/department:	University of Belgrade, Technical Faculty in Bor, Engineering Management Department
Project participant from Management Department – TF Bor:	2 students and 3 professors
Title of project:	Erasmus + Programme, Key Action 1 – Mobility for learners and staff – Higher Education Student and Staff Mobility, between Obuda University, Budapest, Hungary and University in Belgrade, Technical Faculty in Bor
The source of financial support:	European Commission, through National agency of Hungary
3. Programme or initiative:	
Type of project	Small Grant Project Visegrad Fund (V4)
Reference number:	11540386
Beneficiary organisation/department:	University of Belgrade, Technical Faculty in Bor
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Danijela Voza, Isidora Milošević, Danijela Durkalić
Title of project:	Environmental awareness as a universal European Value
The source of financial support:	Visegrad Fund
4. Programme or initiative:	
Type of project	Small Grant Project Visegrad Fund (V4)
Reference number:	11410011
Beneficiary organisation/department:	University of Belgrade, Technical Faculty in Bor
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Danijela Voza, Isidora Milošević, Milica Arsić
Title of project:	Possibilities for development of business cluster network between SMEs from Visegrad IV and Serbia
The source of financial support:	Visegrad Fund
5. Programme or initiative:	

Type of project	International academic network– RESITA
Reference number:	
Beneficiary organisation /department:	University of Belgrade, Technical faculty in Bor, Management department
Project participant from Management Department – TF Bor:	Živan Živković, Dragana Živković, Ivan Mihajlović, Danijela Voza, Ivica Nikolić, Marija Panić, Nenad Milijić, Aleksandra Fedajev, Isidora Milošević, Ivan Jovanović, Tamara Rajić, Predrag Đorđević, Milica Arsić, Sanela Arsić, Milena Jevtić, Danijela Durkalić
Title of project:	International Resita Network for Entrepreneurship and Innovation
The source of financial support:	DAAD
6. Programme or initiative:	
Type of project	PHARE-CBC ROMANIA-SERBIA 2004
Reference number:	RO 2004/016-943.01.01.08
Beneficiary organisation/department:	University Eftimie Murgy, Resita, Romania
Project participant from Management Department – TF Bor:	Živan Živković, Dragana Živković, Ivan Mihajlović, Danijela Voza, Nenad Milijić, Isidora Milošević, Ivan Jovanović, Tamara Rajić, Milica Arsić
Title of project:	Center of Entrepreneurship and Cultural Management (CEMI)
The source of financial support:	IPA – PHARE
7. Programme or initiative:	
Type of project	PHARE-CBC ROMANIA-SERBIA 2006
Reference number:	RO 2006/018-448.01.02.15
Beneficiary organisation/department:	University Eftimie Murgy, Resita, Romania
Project participant from Management Department – TF Bor:	Ivan Jovanović, Nenad Milijić
Title of project:	The virtual space of knowledge – the way of integration
The source of financial support:	IPA – PHARE
8. Programme or initiative:	
Type of project	ERASMUS MUNDUS EXTERNAL COOPERATION WINDOW PROJECT BASILEUS
Reference number:	
Beneficiary organisation/department:	Technical faculty in Bor
Title of project:	Balkans Academic Scheme for the Internationalisation of Learning in cooperation with EU
The source of financial support:	EU Commission
9. Programme or initiative:	
Type of project	IPA – HETIP
Reference number:	
Beneficiary organisation/department:	Technical faculty in Bor
Title of project:	Restoration of building and procurement of teaching and research equipment at the Technical Faculty in Bor
The source of financial support:	the infrastructure program for high education
10. Programme or initiative:	
Type of project	GET IT
Reference number:	
Beneficiary organisation/department:	Technical faculty in Bor/Management Department

Project participant from Management Department – TF Bor:	Ivan Mihajlović
Title of project:	GET – IT Serbia (ICT in Entrepreneurship education)
The source of financial support:	Hewlett Packard and Micro Entrepreneurship Institute
11. Programme or initiative:	
Type of project	CARDS
Reference number:	06SER02/03/001 Project No S97
Beneficiary organisation/department:	Technical Faculty in Bor
Title of project:	Banat regions' sustainable development academic camp.
The source of financial support:	EU Commission
12. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	JPCR
Reference number:	511044-TEMPUS-1-2010-1
Beneficiary organization /department:	Technical faculty in Bor
Title of project:	Modernisation of Post-Graduate Studies in Chemistry and Chemistry Related Programmes – MCHM
13. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	JPCR
Reference number:	511001-TEMPUS-1-2010-1
Beneficiary organisation/department:	Technical faculty in Bor
Title of project:	Development of Environment and Resources Engineering Learning – DEREL
14. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	JEP
Reference number:	TEMPUS JEP – 2147 – 91/1
Beneficiary organization/department:	Technical Faculty in Bor
Title of project:	Business School Bor
15. Programme or initiative:	
Type of project (JEP, JPCR, JPGR, JPHES, SMCR, SMHES)	
Reference number:	
Beneficiary organisation/department:	
Title of project:	
If organisation was involved in other TEMPUS projects please add rows as necessary.	
The list of projects for which the organization, or the department responsible for the management of this application, has received financial support from the National Programmes during the last ten years:	
1. Programme or initiative: Technological Development	
Type of project	Research project
Reference number:	TR 33037 (time period 2011 – 2014)
Beneficiary organisation/department:	
Project participant from Management Department – TF Bor:	Darko Brodić, Assistant Professor
Title of project:	Development and application of distributed system for monitoring and control of electrical energy consumption of large consumers
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
2. Programme or initiative: Basic Research	
Type of project	Research project

Reference number:	OI 179013(time period 2011 – 2014)
Beneficiary organization/department:	University of Niš – Faculty of Mechanical Engineering
Project participant from Management Department – TF Bor:	Milovan Vuković, Danijela Voza
Title of project:	Sustainability of the Identity of Serbs and National Minorities in the Border Municipalities of Eastern and Southeastern Serbia
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
3. Programme or initiative: Fundamental Research	
Type of project	Research project
Reference number:	ON 174007 (time period 2011 – 2014)
Beneficiary organization/department:	Faculty of Sciences and Mathematics, University of Niš
Project participant from Management Department – TF Bor:	Ivana Đolović, Ivana Radojević
Title of project:	Functional analysis, stochastic analysis and applications
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
4. Programme or initiative: Technological Development	
Type of project	Materials and Chemical Technology
Reference number:	TR 34023 (time period 2011 – 2017)
Beneficiary organisation/department:	Technical faculty in Bor, University of Belgrade
Project participant from Management Department – TF Bor:	Nada Štrbac, Ivan Mihajlović, Đorđe Nikolić, Isidora Milošević, Milica Arsić, Predrag Đorđević, Ivan Jovanović
Title of project:	Developing technological processes for nonstandard copper concentrates processing with the aim to decrease pollutants emission
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
5. Programme or initiative: Integrated and Interdisciplinary Research	
Type of project	Materials and Chemical Technology
Reference number:	III 46000 (time period 2011 – 2014)
Beneficiary organisation/department:	University of Belgrade, Faculty of Technology and Metallurgy, Belgrade
Project participant from Management Department – TF Bor:	Snežana Urošević
Title of project:	Development of new of capsules and enzyme technologies for the production of biocatalysts and bioactive food components to increase its competitiveness, quality and safety
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
6. Programme or initiative: Technological Development	
Type of project	Materials and Chemical Technology
Reference number:	TR 34020 (time period 2011 – 2014)
Beneficiary organization/department:	University of Niš, Faculty of Technology, Leskovac
Project participant from Management Department – TF Bor:	Snežana Urošević
Title of project:	Development of new and improvement of existing technological processes for production of technical textile fibers and materials
The source of financial support:	Ministry of Science and Technological

	Development of the Republic of Serbia
7. Programme or initiative: Basic Research	
Type of project	Research project
Reference number:	MPN RS – ON 172037 (time period 2011 – 2014)
Beneficiary organization/department:	TF BOR
Project participant from Management Department – TF Bor:	Dragana Živković, Dragan Manasijević
Title of project:	Advanced multicomponent metal systems and nanostructured materials with diverse functional properties
The source of financial support:	Ministry of education, science and technological development
8. Programme or initiative:	
Type of project	Education – Networking
Reference number:	
Beneficiary organisation/department:	Technical Faculty in Bor/Management Department
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Đorđe Nikolić
Title of project:	Adaptation of curriculum to implement the HP LIFE program to promote youth entrepreneurship
The source of financial support:	Center for promotion of Science – Belgrade, Serbia
9. Programme or initiative:	
Type of project	Education – Networking
Reference number:	
Beneficiary organization/department:	Technical Faculty in Bor/Management Department
Project participant from Management Department – TF Bor:	Ivan Mihajlović, Đorđe Nikolić
Title of project:	Round Table – Application of Case Studies in Contemporary Education
The source of financial support:	Mining and Metallurgical Company – RTB Bor
10. Programme or initiative: Fundamental Research	
Type of project	Research project
Reference number:	1232 (time period 2002 – 2005)
Beneficiary organization/department:	Faculty of Sciences and Mathematics, University of Niš
Project participant from Management Department – TF Bor:	Ivana Đolović
Title of project:	Operator equations, approximation and applications
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
11. Programme or initiative: Fundamental Research	
Type of project	Research project
Reference number:	144003 (time period 2006 – 2010)
Beneficiary organisation/department:	Faculty of Sciences and Mathematics, University of Niš
Project participant from Management Department – TF Bor:	Ivana Đolović
Title of project:	Operator theory, stochastic analysis and applications
The source of financial support:	Ministry of Science and Technological

	Development of the Republic of Serbia
12. Programme or initiative:	
Type of project	
Reference number:	EE-223002B
Beneficiary organisation/department:	Technical faculty in Bor, University of Belgrade
Project participant from Management Department – TF Bor:	Tamara Ognjanović
Title of project:	Energy Efficiency – A computer controlled thermal imaging system for monitoring and diagnosis of power and measuring transformers and other elements in power plants Electrodistribution Bor
The source of financial support:	Ministry of Science and Technological Development of the Republic of Serbia
13. Programme or initiative:	
Type of project	
Reference number:	ON 174025
Beneficiary organization/department:	Faculty of science and Mathematics, Department of Mathematics, University of Nis.
Project participant from Management Department – TF Bor:	Darko Kocev
Title of project:	Problems of Nelinear Analysis, Operator theory, Topologies and Applications
The source of financial support:	Ministry of Science and Technological development, Serbia

Capacity: Total number of professors and associates on Technical faculty in Bor and Management Department

	Technical faculty in Bor –TF Bor	Management Department (EMD)
Full professors	19	4
Associate professors	15	6
Assistant professors	30	9
English teachers	4	4
Assistant researchers	18	6
Teaching assistants	5	0
Total number of professors and associates	91	29
Total number of employees	120	

Capacity: Number of students on Technical Faculty in Bor and Management Department per year

	Faculty	Management Department
First year	227	113
Second year	134	33
Third year	139	63
Fourth year	408	200
Total number	908	409

D) Operational Capacity	

D) 1. Skills and expertise of key staff involved in the project	
Name of key person	Summary of relevant skills and experience
Živan Živković	Professor at Management Department of Technical Faculty in Bor. Chief of Management Department of Technical Faculty in Bor. Author or Co Author of 160 papers published in indexed international journals. Founder of Serbian Journal of Management. President of Scientific Board of International May Conference on Strategic management. Google scholar report is available here .
Ivan Mihajlović	Full Professor at Management Department of Technical Faculty in Bor. Master Trainer of International GET IT program sponsored by Hewlett Packard. Author or Co Author of more than 50 papers published in indexed international journals. Main skills: numerical modeling of complex technological processes. Linear and nonlinear statistics. Material flow and heat flow management. Editor in chief of Serbian Journal of Management (http://www.sjm06.com/). Vice-president of the Scientific Board of the International May Conference on Strategic management (http://mksm.sjm06.com). Google scholar report is available here .
Nada Štrbac	Professor at Management Department of Technical Faculty in Bor. Author or Co Author of 43 papers published in indexed international journals. Research skills in Management of technologies and materials. President of Organizational board of International October Conference (http://www.ioc.tf.bor.ac.rs/). Author of 39 papers published in indexed international journals.
Milovan Vuković	Professor at Management Department of Technical Faculty in Bor. Areas of research: Environmental Management – assessment and models of surface water quality; environmental awareness; natural resource conflicts. Business ethics – corporate social responsibility. Research Methods – qualitative methodology, statistical techniques. Author or co-author of 25 papers in indexed international journals (over 100 citations), 80 papers in national journals, 13 textbooks and monographs.
Dejan Riznić	Full Professor at Management Department of Technical Faculty in Bor. Author or Co Author of 5 papers published in indexed international journals. Fruitful experience in teaching at Technical faculty in Bor, in the fields of Marketing, Organization and Organization of Sales. His teaching has been organized following high educational standards and in line with relevant issues and requirements of contemporary business environment. Google scholar report is available here .
Ivana Đolović	Associate Professor at Management Department of Technical Faculty in Bor. Author or Co Author of 15 papers published in indexed international journals. Main interests: Functional analysis and operator theory, sequence spaces, summability, matrix transformations
Slavica Stevanović	EFL/ESP Teacher, Management Department, Technical Faculty Bor. Textbook evaluator certified by the Ministry of Education, Science and Technological Development of Serbia. ELTA association member. Conducting a FLA research at the moment. Main fields of interest: FLA, EFL/ESP teaching methods, communicative and task-based approach to language learning, translating.
Snežana Urošević	Associate Professor Department of Management at Technical Faculty in Bor. Author or Co-Author of four books, of which two primary university textbook, a monograph of national importance, 17 papers published in indexed international journals, more than 60 papers published in the national journal, more than 90 papers presented at national and international scientific meetings. Member of the scientific committees and organizing committees of over 20 international and national conferences. Editor in chief of National Journal "Textile Industry" publisher - Union of textile engineers and technicians of Serbia and member of the editorial board of the international scientific journal "Annals of The University of Oradea, Fascicle of Textiles,

	Leatherwork" publisher - University of Oradea, Faculty of Energy Engineering and Industrial Management, Oradea, Romania. Detailed knowledge of all the topics of Human Resource Management and Career Development. Google Scholar report is available here .
Dejan Bogdanović	Associate Professor at Management Department of Technical Faculty in Bor. Areas of research: Planning, development, and application of different optimization models for solving various problems in the fields of engineering management; Development and application of different multicriteria models for ranking and selection of optimal solutions; Modeling of industrial processes and use of simulation techniques. Research methodologies: Multicriteria methods: PROMETHEE, AHP, ELECTRE; Optimization methods – Linear Programming, Non-linear Programming, Dynamic Programming. Author of 9 papers published in indexed international journals. Google scholar report is available here .
Đorđe Nikolić	Associate Professor at Management Department of Technical Faculty in Bor, Trainer of International GET IT program sponsored by Hewlett Packard. Design, development and use of different optimization models for solving various problems in engineering management. Development and application of different multi-criteria models for ranking and selection of optimal solutions. Modeling of different industrial processes and the application of simulation techniques. The application of statistical tools for the analysis of empirical models in management. Research methodology: Multi-criteria decision methods: PROMETHEE, AHP, TOPSIS, VIKOR, ELECTRE, SAW; Analytical statistics: Models for time series and forecasting, Hypothesis testing, Factor analysis (PCA), Cluster Analysis, Correlation Analysis, and Multiple Regression Analysis; SEM (Structural Equation Modeling) analysis: Confirmatory Factor Analysis (CFA) and Path analysis. Technical editor of Serbian Journal of Management. Author or Co Author of 28 papers published in indexed international journals. Technical Editor of Serbian Journal of Management. Google scholar report is available here .
Ivan Jovanović	Associate Professor at Management Department of Technical Faculty in Bor. Areas of research: Making and application of Business plan; Planning, development and application of optimization models for solving problems in the field of engineering management; The application project management concept in modern business; Development and application of different multicriteria models for ranking and selection of optimal solutions. Research methodologies: Creating a business plan based on different methodologies; Optimization Methods: Linear programming, Transportation problem, Game theory, Network planning techniques, for project management; Methods for multi-criteria optimization: ELECTRA PROMETHEE, AHP. Analytical statistics: Hypothesis testing, Factor analysis (PCA), Correlation Analysis and Multiple Regression Analysis; SEM (Structural Equation Modeling) analysis: Confirmatory Factor Analysis (CFA) and Path analysis. Author or Co Author of 7 papers published in indexed international journals. Google scholar report is available here .
Darko Brodić	Associate Professor of Computer Science at Management Department of Technical Faculty in Bor, University of Belgrade. Research Area: Signal Processing, Image Processing, Document Image Processing, OCR, Pattern Analysis, Artificial Intelligence, Natural Language Processing, Speech Processing, Magnetic Field Measurement, Environmental Risk. Special attention has been made on the development of state of the art methods for script and language recognition, closely related languages, evolving languages, information retrieval and so on. Further, a new proposition of environmental risk standard for the extremely magnetic field emission to which the computer users are exposed is suggested. Wider research area: Algorithms, Programming, Information systems, E-commerce. Tools: Matlab, SPSS, WEKA. Additional tools: Microsoft Office, Microsoft Visio, Latex, Coreldraw, Adobe Photoshop, Pascal, C. International cooperation:

	<p>University of Calabria, Rende, Italy; Federal University of Pernambuco, Recife, Brazil; Tsinghua University, Beijing, China; Technical University of Sofia, Sofia, Bulgaria. More than 120 publications with 70 papers presented at international conferences (24 referenced in Scopus and 20 referenced in Web of Science) and 50 papers in international peer-reviewed journals (48 referenced in Scopus and 36 referenced in Web of Science), two textbooks, edited books. He is a reviewer in the well-known international scientific journals published by IEEE, IET, Elsevier and Springer. Also, he is member of the program committee of the Springer and IEEE conferences as well as the member of the editorial board of the international peer-reviewed journal ETASR (Engineering, Technology & Applied Science Research). Google scholar report is available here. DBLP report is available here. Mendeley researcher profile is available here. Research Gate profile is available here. Scopus author ID: 35726542400, ORCID: http://orcid.org/0000-0001-7923-7876.</p>
Isidora Milošević	<p>Assistant Professor at Management Department of Technical Faculty in Bor, Certified Get- IT trainer. Author or Co Author of 12 papers published in indexed international journals, of which 9 papers cited 32 times. Areas of research: Strategic Management, Market research, Management of New Technology and Innovation, Strategic Management of New Technologies, Sound knowledge of multivariate data analysis techniques, Exploratory Factor Analysis (EFA), Correlation Analysis, Multiple Regression, Structural Equation Modeling (SEM), SWOT- AHP methodology and their application in software packages SPSS, LISREL, Expert Choice Decision Lab.</p>
Milica Arsić	<p>Assistant Professor at Management Department of Technical Faculty in Bor. Areas of research: Environmental management, Research and Development Management, Entrepreneurship. Author or co-author of 6 papers published in international peer-reviewed journals and more than 20 papers presented at national and international conferences. Member of organizational committee of International Conference – Environmental and Material Flow Management. Certificated GET-IT trainer. Google scholar report is available here.</p>
Predrag Đorđević	<p>Assistant Professor at Management Department of Technical Faculty in Bor. Areas of research: Modeling of technological processes for reliable prediction of technological parameters of the processes, especially from the aspect of the management of output parameters of these processes, in order to achieve desired outcomes. Application of advanced statistical tools for the modeling of technological processes, with analysis and comparison of the benefits of the application of certain tools in specific situations. These tools include the application of multivariate linear methods and nonlinear methods (Neural Networks) for the purpose of process modeling, Factor Analysis; Structural Equation Modeling; application of Quality tools in order to control the output of production processes and the quality of services in different sectors (e.g. Control charts, Quality Function Deployment, Sampling Methodology, etc.). Author or Co-Author of 15 papers in indexed international journals. President of Organizational Board and Technical Editor of the Proceedings of the International May Conference on Strategic Management – IMKSM (http://mksm.sjm06.com/). Google scholar report is available here.</p>
Nenad Milijić	<p>Assistant Professor at Management Department of Technical Faculty in Bor. Certificated GET-IT trainer. Fluent user of Statistical package SPSS (multivariate statistical techniques: cluster analysis, factor analysis, principal component analysis, discriminant analysis; descriptive statistics, general linear modeling), LISREL, MS Office (MS Project), Decision Lab, Expert Choice, QM for Windows. Author or Co Author of 7 papers published in indexed international journals. Technical editor of Serbian Journal of Management. Member of the editorial board of the national journal Serbian Academic Thought. Google scholar report is available here.</p>

Aleksandra Fedajev	Assistant Professor for economic subjects at Management Department of Technical Faculty in Bor. Areas of research: business environment, economic policy, regional development, transition, business economy, multi-criteria analysis. Very proficient in various software tools such as SPSS, MS Office, Decision Lab and others. Certified Get- IT trainer. Author or Co Author of over the 30 papers published in indexed international journals, refereed conference proceedings and edited books. Member of organizational board of Environmental Management and Material Flow conference and editorial board of Serbian Journal of Management. Google scholar report is available here .
Danijela Voza	dr Danijela Voza - assistant professor at the Technical Faculty in Bor. She is engaged as a teacher for subjects: Environmental Management, Business Ethics and Business Organizations. She is author or co-author of 12 scientific papers published in international and national journals, 4 articles in national monographs and 9 articles presented at international conferences. Certificated GET-IT trainer. Skills: fluent user of Statistical packages SPSS and STATISTICA (multivariate statistical techniques: cluster analysis, factor analysis, principal component analysis, discriminant analysis; descriptive statistics). Google scholar report is available here .
Marija Panić (ex Savić)	Assistant Professor at Management Department of Technical Faculty in Bor. Expert level of linear and nonlinear programming. Modeling of business and technology processes using modern statistical methods and tools: Bayesian probability and statistics, Monte Carlo Simulation, Markov chains and processes, Game theory, Gibbs sampling, Multi-criteria optimization in technological processes. President of the 11 th Student's Symposium Organizational Board (2015). Member of the Organizational Board of International Symposium on Environmental and Material Flow Management – EMFM. Author or co-author of 9 papers published in indexed international journals. Google scholar report is available here .
Ivana Stanišev	PhD student and assistant at Management Department of Technical Faculty in Bor. Areas of Research: Linear algebra, Indefinite inner product spaces, general inverses.
Ivica Nikolić	PhD student and assistant at Management Department of Technical Faculty in Bor. Skills: Aplicable Knowledge in System Theory, Management of new technology and innovation, Management, Entrepreneurship and Creative thinking. Tools and techniques: SWOT Analysis, Methods of linear and nonlinear statistical analysis, Mind maps, Creative thinking. Knowledge of software: SPSS, MATLAB, MATCAD, MS Excel, MS Access, MS Project.
Milena Jevtić	PhD student at the Faculty of Technical Sciences University of Pristina, Study program of Electrical and Computer Engineering. Teaching assistant at Management Department of Technical Faculty in Bor. Areas of research: Artificial Intelligence, Soft Computing, Metaheuristics algorithms. Google scholar report is available here .
Sanela Arsić	PhD student and Teaching assistant at Management Department of Technical Faculty in Bor. Areas of research: Operations Research (linear and nonlinear programming), Strategic Management, Quality Management, Corporate Social Responsibility. Development and application of different multi-criteria models for ranking and selection of optimal solutions. Fluent user of Statistical package SPSS. Member of organizational committee of International Conference – Environmental and Material Flow Management. Editor in chief of student journal Engineering Management (http://menadzment.tfbor.bg.ac.rs/english/student-journal/). Google scholar report is available here .
Danijela Durkalić	Teaching Assistant at Management Department of Technical Faculty in Bor. PhD student at Faculty of Economics, University of Kragujevac, field macroeconomics. Areas of research: European integration, convergence criteria, monetary and fiscal union. Methods and models: PROMETHEE, Entropy, structural model. Author about of 20 papers in conferences, journals

	and monograph. Google scholar report is available here .
Sandra Vasković	EFL Teacher, Management Department, Technical Faculty in Bor, University of Belgrade. Textbook evaluator certified by the Ministry of Education, Science and Technological Development of Serbia. ELTA (English Language Teachers' Association) member. Conducting a FLA research at the moment. Main fields of interest: EFL teaching methods (Structural, Functional and Interactive), Use of Technology in English language teaching, Teaching Strategies. CLIL, FLA, translating.
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SUGGESTIONS FOR CONSULTANT SERVICES, SEMINARS AND TRAININGS:

Responsible researcher – Dejan Bogdanović	
Subject	Description
Operations researches	<p>Short description -Techniques and methods of operations researches - Linear Programming, Non-linear Programming and Dynamic programming.</p> <p>Potential users - Engineers of all specialties who work in industry and services.</p> <p>Seminar duration– 16h.</p>
Portfolio project management	<p>Short description -Program Management, Portfolio Characteristics Definitions. Methods and Techniques of Portfolio Project. Multi-Project Company.</p> <p>Potential users - Engineers of all specialties who work in industry and services.</p> <p>Seminar duration– 16h.</p>
Responsible researcher – Ivica Nikolić	
Subject	Description
Training for the statistical analysis of data	<p>Short description -The aim of the course is to provide a review of basic and specific knowledge about the possibilities of using a computer programs to process the quantitative data that allows mastery of the knowledge, presentation and interpretation of research results. Classes are held in the form of lectures with practical exercises on the computer.</p> <p>The exam is taken in writing.Syllabus</p> <p>The lecture on the course discusses the following topics:</p> <ul style="list-style-type: none"> - Preparation and organization of data entry

	<ul style="list-style-type: none"> - Transforming the values of variables - Choosing the appropriate statistical test and interpretation of results - Creation and graphic interpretation of results - Calculation and tabulation: <ul style="list-style-type: none"> • descriptive indicators • correlation coefficients • parametric statistical tests • non-parametric statistical tests <p>Potential users - small and medium sized enterprises</p> <p>Seminar duration– 10h.</p>
Techniques of quick learning and reading	<p>Short description -It is a method by which the accelerated reading, increases concentration, attention and recall. Training consists of 10 hours during which the coach demonstrates the technique, the participants, trains and test its performance. Speed reading techniques are learned through training to increase the speed of receiving and decoding text, training concentration and learning organization.</p> <p>Potential users - students and pupils</p> <p>Seminar duration– 10h.</p>
Responsible researcher – Danijela Voza	
Subject	Description
Effective Public Speaking and Presentation Skills	<p>Short description -Strategy and tips how to prepare, write and deliver successful presentation; How to communicate effectively and transfer the message that public listen, understand and act.</p> <p>Potential users - managers, university students</p> <p>Seminar duration– 6h.</p>
Communication Skills	<p>Short description -Improving interpersonal skills; Promoting face-to-face conversation and professionally written e-mail exchange;</p> <p>Potential users – university students, public servants, managers</p> <p>Seminar duration– 6h.</p>
Planning Careers	<p>Short description -Preparing students and graduates to explore opportunities and own preferences, as well as to plan career.</p>

	<p>Potential users - high school students</p> <p>Seminar duration– 4h.</p>
Responsible researcher – Dragan Manasijević	
Subject	Description
Statistical analysis of data using SPSS program	<p>Short description -Fundamentals of statistical data analysis using SPSS software</p> <p>Potential users – students, entrepreneurs, public officers</p> <p>Seminar duration– 20 hours.</p>
Quantitative methods in management using QM for Windows	<p>Short description -Application of quantitative methods in management using QM for Windows software</p> <p>Potential users -- students, entrepreneurs, management structures in public and private companies</p> <p>Seminar duration– 20 hours.</p>
Responsible researcher – Nenad Milijić	
Subject	Description
Application of MS Project in operational planning	<p>Short description -Displaying of all activities on the project and progress monitoring in real time. Management of all types of resources. Using of different types of reports.</p> <p>Potential users - managers, university students</p> <p>Seminar duration– 6h.</p>
The impact of human resource potential on safety climate	<p>Short description -Using the potential of human resources according to demographic factors. Analysis of safety factors and safety issues and connection with the appropriate subgroups of employees in order to achieve a higher level of safety climate.</p> <p>Potential users - different levels of managers</p> <p>Seminar duration– 6h.</p>
Responsible researcher – Aleksandra Fedajev	

Subject	Description
Accounting	<p>Short description– Bookkeeping of business transactions in the enterprise.</p> <p>Potential users - students, unemployed people, entrepreneurs.</p> <p>Seminar duration–12 h.</p>
Financial analysis of enterprises	<p>Short description - Ratio analysis of business operations.</p> <p>Potential users - students, managers, unemployed people, entrepreneurs.</p> <p>Seminar duration–10 h.</p>
Macroeconomic analysis	<p>Short description - Macroeconomic data collection and comparative analysis of macroeconomic stability in chosen economies.</p> <p>Potential users - students, entrepreneurs.</p> <p>Seminar duration– 10 h.</p>
Regional development analysis	<p>Short description - Measuring and comparison of the development in different regions in the country.</p> <p>Potential users - public servants.</p> <p>Seminar duration–6 h.</p>
Improvement of public administration	<p>Short description - Pointing out the possibilities of administrative procedures improvement in the public service.</p> <p>Potential users - public servants.</p> <p>Seminar duration–6 h.</p>
Responsible researcher – Isidora Milošević	
Subject	Description
Getting to know your own business to exploit the opportunities	<p>Short description -The aim of the seminar is the training and education of staff for the professional and collective SWOT analysis to staff on the most appropriate way perceive the market in which they operate, as well as the climate within the company. The seminar would be based on a detailed analysis of internal and external factors that will enable the determination of the optimal strategy for achieving company objectives in terms of decision-making in the presence of uncertainty in a dynamic environment.</p> <p>Potential users - Entrepreneurs, SMEs, NGO</p>

	Seminar duration – 10-15h
Responsible researcher – Darko Brodić	
Subject	Description
Internet and Intranet in the Small Companies	<p>Short description -Introduction in e-business activities on Internet and Intranet for the Small Companies, Internet and Intranet, B2B, B2C, e-banking</p> <p>Potential users - Engineers of all specialties who work in industry and services.</p> <p>Seminar duration: 20h</p>
Responsible researcher – Ivana Đolović	
Subject	Description
Math Playground	<p>Short description - The aim of the project is promotion and popularization of mathematics. This can be achieved by solving many problems which surround us applying mathematical tools, more or less easily, but interesting, for sure.</p> <p>Potential users -all interested (pupils – primary school from 5. grade, secondary school, parents, students)</p> <p>Seminar duration -10h</p>
Subject	Description
How to Write a Scientific Paper and Use of LaTeX	<p>Short description -How to write a paper in scientific journal style and format (meaning of scientific style, SCI list, use of LaTeX)</p> <p>Potential users - students, gifted pupils (secondary school) and young researchers</p> <p>Seminar duration - 10 h</p>
Responsible researcher – Ivan Jovanović	
Subject	Description
Development of the concept of a business plan as a baseline document for starting a new entrepreneurial venture	<p>Short description - Every business venture should first carefully designed then it is possible to objectively plan, if we are its efficient and effective implementation. Therefore, the main aim of the seminar is the education and training of staff to work independently when developing the concept of a business plan.</p>

	<p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies, business people, entrepreneurs (existing and future).</p> <p>Seminar duration -6 h</p>
Creating a business plan as a binding document for starting a new entrepreneurial venture	<p>Short description - The aim of the seminar is to educate and training of staff to independently prepare a business plan. Definition, meaning, purpose, basic elements, and implementation of the business plan. Market analysis, production and sales plan, human resources plan, marketing plan, plan financially, efficiency rating business.</p> <p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies, business people, entrepreneurs (existing and future).</p> <p>Training duration -24 h</p>
The application of techniques Gantt-chart for planning, monitoring and implementation of projects	<p>Short description - The significance, design and implementation Gantt-chart as a basic technique for scheduling projects.</p> <p>Potential users-students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration -6h.</p>
The application of network planning technique for optimizing resources in projects	<p>Short description - Analysis of the structure, the analysis time, resource analysis, cost analysis, CPM, PERT, PERT-COST, PDM .</p> <p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration -20 h.</p>
Using the software program Microsoft Project for planning, monitoring and implementation of modern projects	<p>Short description -The aim of the seminar is to, through practical work on the computer, perform education and training of of staff for the independent application of software tools MS Project.</p> <p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration - 20 h</p>
Creating project plans as a binding document for the project implementation	<p>Short description - The aim of the seminar is to educate and training of staff to independently prepare and implement the Project Plan, the basic document when preparing of the project for implementation.</p> <p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration - 16 h</p>
Histogram - a tool that is used for resource allocation and resource optimization in projects	<p>Short description - The aim of the seminar is to educate and training of staff to independently prepare and implement Histogram tool, which is used in the distribution of homogeneous and non-homogeneous workforce on projects.</p>

	<p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration - 6 h</p>
Brainstorming - a technique for solving problems	<p>Short description - Brainstorming is a group or individual creativity technique by which efforts are made to find a conclusion for a specific problem by gathering a list of ideas spontaneously contributed by its member (participants in brainstorming). The aim of the seminar is to educate and training of participants in mastering this technique.</p> <p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration - 8 h</p>
Using a SWOT analysis for the identification of strategic choices	<p>Short description - SWOT analysis is a structured planning method used to evaluate the Strengths, Weaknesses, Opportunities, and Threats involved in a project or in a business venture. The aim of the seminar is to educate and training of participants in mastering this method.</p> <p>Potential users - students (graduate and unfinished), engineers of all professions, managers in companies.</p> <p>Training duration - 8 h</p>
Responsible researcher – Milica Arsić	
Subject	Description
How to write business plan?	<p>Short description - Understanding the need of writing a business plan before starting any business activity. Development of business ideas through the basic elements of a business plan.</p> <p>Potential users - entrepreneurs, unemployed people.</p> <p>Training duration: 10 h</p>
Pro-active job search	<p>Short description - Introductions to strategies how to utilize your time wisely in job search. Providing assistance in writing an effective CV and cover letter. Answering the questiones: How to prepare for interview and how to act during the interview?</p> <p>Potential users - students, unemployed people.</p> <p>Training duration - 6 h</p>
Responsible researcher – Predrag Đorđević	
Subject	Description
The application of quality tools to increase the efficiency of small	<p>Short description -This training workshop provides an opportunity for its participants to get familiar with effective problem solving tools in order to find the causes of the problems, improve product quality, productivity and process</p>

and medium enterprises	<p>management. The training program contains discussion on all of the seven basic tools of Quality Control, such as Pareto Diagram, Scatter Diagram and Correlation Analysis, Ishikawa Diagram, Control Charts, etc. with illustrative examples of real industrial application of these tools.</p> <p>Potential users - entrepreneurs, managers of SMEs, graduate students.</p> <p>Training duration - 6h</p>
Responsible researcher – Snežana Urošević	
Subject	Description
<p>Seminar for employees and managers to improve their managerial skills:</p> <p>Successful recruitment, interviewing skills and techniques and testing</p> <p>Motivation of employees</p>	<p>Short description -By attending this session, participants will gain the skills to create descriptions and advertisements for the position, adopt the techniques of selection of candidates, get concrete tools to test the candidate answers and to the evaluation of candidates.</p> <p>This training will help managers create a more dynamic, loyal and productive team. The training is designed specifically for managers to recognize what employees want, and training participants will learn how to motivate employees</p> <p>Potential users - Managers and employees</p> <p>Training duration - 2x6-hour course</p>
Responsible researcher – Đorđe Nikolić	
Subject	Description
How to make right decisions	<p>Short description -The aim of this training course is to introduce decision making process and also to presents examples of the decision-making methods in action and recommends sources of additional information on decision-making methods. Furthermore, during this seminar participants will learn how to build different models which will assist them in making decisions that solve business problems. The modeling techniques that will be studied throughout this seminar, are:</p> <ul style="list-style-type: none"> • Module 1: Linear Programming optimization technics (Modeling and Solving LP Problems in a MS Excel spreadsheet), • Module 2: Regression Analysis and Forecasting techniques (Time Series) • Module 3: Decision Analysis (Decision making under risk and Multi-criteria decision making, Group decision making) <p>Potential users -Persons who are involved in different decision-making processes. (Entrepreneurs, Managers in SMEs, Public sector employees)</p> <p>Training duration - at least 12h for each course module.</p>
Responsible researcher – Ivan Mihajlović	

<p>Quantitative techniques for manufacturing amangement and business process management</p>	<p>Short description – quantitative elements of production management and management of a business process. The course includes five modules. The first module is dealing with definition of production program of a company. Second module is about different types of production setups. The third module is describing the organization of the production process immediately before its starting phase. Fourth module is scheduling and time management and fifth module is quality control of the products.</p> <p>Potential users - Entrepreneurs, Managers in SMEs, Public companies employees and managers</p> <p>Training duration– 10 hours</p>
<p>Guidence Course for the HP Microenterprise Development Program (GET – IT) HP LIFE</p>	<p>Short description –HP LIFE program is continuance of a “Graduate Entrepreneurship Training through IT” (GET-IT), which is helping young un- or underemployed people and graduates –to acquire the business and IT skills to enter professional life, or to start their own businesses. (HP LIFE official site: http://www.lifeglobal.org/en/ABOUT-THE-PROGRAM/Find-a-Center).</p> <p>HP LIFE training consists of interactive courses that deal with practical IT solutions for daily business challenges. The core element is a curriculum called Technology Tools (T-Tools) that bridges the divide between pure business skills courses and technical skills courses. T-Tools fills the gap between business and standard IT courses. The modules explore how different IT solutions can address common business challenges in the areas of Management and Operations, Finances, Communication, and Marketing. Students are also in a better position to evaluate their skills and to identify their own needs for further training and development.</p> <p>Potential users – students, highschool students, young un- or underemployed people and graduates.</p> <p>Training duration– 16 hours</p>

For concrete projects proposal / project rational – depending on type of project call

E) Project implementation / Award criteria	
E) 1. The project rationale*	
<p>Please describe briefly the reasons why the proposed project is important for (the development of) your organization:</p>	<p>For educational projects (Erasmus KA1 and KA2): Proposed project is of great interest for Technical faculty in Bor. The experience that will be developed during this project’s realization will further sustain our skills and knowledge in development of contemporary educational process on our departments. This will also be a benefit for our students who will be direct beneficiaries of this project results.</p>

	<p>For technology based projects (Horizon 2020): In potential project proposal, apart from the analysis of the state of pollution of the area around the emission sources, we can also aim at activities for prevention of further pollution of the environment from such operations of the fossil fuel power plants, fuel processing plants and industrial plants, producing: copper, steel, cement and bulk chemicals, by predicting the potential excess pollutant emission according to the developed model. Considering that one of the outcomes of the research on this project will be the Registry of polluters in Serbia, which was not previously developed in this region (the data that is available in Serbia, considering the air, water and soil pollution are scarce: http://www.sepa.gov.rs/index.php), the knowledge that will be gained during the research will be a new type of knowledge for our scientific community and our organization. Also, cooperation with partners who are experts in environmental modeling and research, greenhouse gas research, carbon dioxide footprint, material flow management and sustainable development, will increase our further potentials and knowledge base.</p>
E) 2. Quality of the partnership:	
<p>Please outline, why your organisation is particularly qualified to participate in the project at hand (e.g. specific competences, specific staff and/or other resources relevant for the project, relevant references, specific experience with the target groups or other relevant institutions):</p>	<p>For educational projects (Erasmus KA1 and KA2): Management Department of Technical faculty in Bor is actively involved in educational activities for past 15 years. During this period of time we have developed completely new curriculum, which was not present in such form in Serbia before. Also, during the time, our curriculum is constantly evolving toward best world practice in the scientific field of Engineering management. Our department is participating in International academic networks, for students and professors exchange. One of the networks, created with contribution of Technical Faculty in Bor is Resita – International Network for Entrepreneurship and Innovation (http://www.resitanet.ro/index.php?id=2). Member Universities of this network are: Germany (University of Applied Science Worms), Slovenia (GEA College, Ljubljana), Bulgaria (RUSE University), Romania (University Eftimie Murgu, Resita), Montenegro (University of Podgorica), Macedonia (American College), Bosnia and Herzegovina (University of Zenica), Albania (University of Tirana) and Serbia (University of Belgrade, Technical faculty in Bor). This network is financially supported by DAAD foundation. As the activities of this Network, Technical faculty in Bor is organizing International summer schools (for students) and International summer academies (for professors). Also, this network provides</p> <p>Management department of Technical Faculty in Bor is organizing International May Conference on Strategic Management (http://mksm.sjm06.com/), each year, starting from 2005. This is an international</p>

	<p>conference with more than 200 attendants each year. In the frame of this conference, International Students symposium on strategic management is also organized.</p> <p>Technical faculty in Bor is publishing two International Scientific Journals: Journal of Mining and Metallurgy, Section B: Metallurgy (Which is indexed on Thompson Reuters List) www.jmmab.com and Serbian Journal of Management (which is indexed by EBSCO Publishing) www.sjm06.com</p> <p>For technology based projects (Horizon 2020): Members of EMD have more than 100 references published in international journals (SCI and SCIE list) and presented at international meetings, which are form the field of research proposed in frame of this project. The complete list of references published by the members of EMD, during last 10 years, is available in the appendix of this document.</p>
<p>Describe the specific circumstances/facts which lead to your organisation's relevant contribution to the success of the project?</p>	<p>For educational projects (Erasmus KA1 and KA2): The employees of EMD at technical faculty in Bor, do have large experience in Academic networks building and operation. Also, Technical faculty in Bor is the only accredited partner of the HP LIFE program in Serbia (http://www.life-global.org/). This program is based on most contemporary approach of integrating the ICT in entrepreneurship. Special interest of this project is in acceleration of youth entrepreneurship in the form of SME and microenterprises development. The program was originally developed as the GET IT project, managed by Micro Enterprise Acceleration Institute - MEA I (Switzerland). During 2012 this project continued as HP LIFE program. Education according to the HP LIFE program is organized in 49 countries around the world. As a participating organization, Technical faculty in Bor, received HP equipment, the T-Tools Guidance course for their trainers and the T-Tools training materials. One professor from Technical faculty in Bor, who is the project manager of HP LIFE Serbia, participated in a GET-IT Master training course and received: Practical, hands-on training in how to use information and communications technology to be more productive; Access to an online learning community with resources and tools to help sustain the trainees business's growth</p> <p>With obtained equipment and skills, members of EMD, developed the GET IT curriculum in Serbian language and integrated it in the 3rd year subjects of EMD: Management informational systems and Entrepreneurship. Also, 12 assistants from EMD on Technical faculty in Bor, obtained training and become certificated GET IT trainers. Subsequently, after the GET IT has become the LIFE program, Technical faculty in Bor continued with the partnership.</p> <p>During the year 2012, Technical faculty in Bor</p>

proposed the HP LIFE Serbia to Center for Promotion of Science in Belgrade (<http://www.cpn.rs>). The Center decided to support this project. Accordingly Technical Faculty in Bor organized training for students in high schools in Bor (the high school for economy and trade and the high school for technical education) and for students on Management department of TF Bor (the new HP LIFE training this way replaced the old GET IT at TF Bor).

Obtained knowledge and experience gained on those activities will serve as the bases for relevant contribution to the success of the proposed project.

For technology based projects (Horizon 2020):

Representatives of the EMD from Technical faculty in Bor, University of Belgrade have conducted large number of investigations in the research field of air and soil pollution in the vicinity of large industrial facilities. Main object of our previous research work was the SO₂ and PM emission in the vicinity of copper smelter which is operational in the town where the Technical faculty is located (Bor, Serbia). The main target of our research was development of accurate model for prediction of SO₂ concentration, depending on input parameters of copper smelting process and the meteorological parameters. Also, we conducted research on dependence of PM pollution in the air and in the soil deepening on position of the area relative to smelter plant. Besides this, we have experience in analyzing the sources of tropospheric ozone in the urban environment.

From our previous research, we obtained a database with air pollution indicators (SO₂, NO, NO_x, VO_x, O₃ and PM), together with statistical evaluation of the data. Also, we developed numerical modeling approaches which can be used for processing and analysis of such data.

During our previous research we further developed our skills in Material flow balancing, Environmental management, Quantitative data analysis, Numerical modeling, Statistical modeling (including linear and nonlinear statistics), Modeling of industrial processes and use of simulation techniques (Optimization methods – Linear Programming, Non-linear Programming, Dynamic Programming), Data mining, Algorithm development and multicriteria models for ranking and selection of optimal solutions (Multicriteria methods: PROMETHEE, AHP, ELECTRE). This will be of use in our further research on proposed project.