



ADA

ADVANCED DATA
ANALYTICS IN BUSINESS



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



Workshop on Metrics for ADA

Location: Vienna University of Economics and Business Administration, Austria

Time: March 10th 2020, 14-16h

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Expected Deliverable/Results/ Outcomes	Work Package and Outcome ref.nr	5.2.	
	Title	Metrics for ADA	
	Type	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input checked="" type="checkbox"/> Training material	<input type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input checked="" type="checkbox"/> Service/Product
	Description	<p>Within this task the goal is to define metrics for master study program of advanced data analytics in business according to report on the survey of the practices and experiences of the successful study programs in the area of business analytics, data science, big data courses and LLL courses in the EHEA countries. Workshop will be organized to introduce the institutions organizing study program and LLL courses to set quality metrics.</p> <p>The following tasks will be a part of this activity:</p> <ol style="list-style-type: none"> 1. defining metrics for operation of the master program, 2. defining metrics for cooperation with companies, 3. defining metrics for LLL courses 4. defining metrics for training of teachers 5. defining metrics for learning analytics 6. defining metrics for employability of students 7. workshop on quality metrics. 	
	Due date	31-01-2020	



Metrics for of the degree of completion of Accreditation process

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number of accredited ADA study programs	Decisions of NEAQA	UNS, UB, UNI	At the end of accreditation process
2	Difference between planned and actually accredited ADA study programs	ADA project proposal and Decisions of NEAQA	QCC and PC	At the end of accreditation process
3	Number of accredited modules within study program	Decisions of NEAQA	UNS, UB, UNI	At the end of accreditation process
4	Number of accredited courses	Decisions of NEAQA	Each Serbian HEI partner	At the end of accreditation pr.
5	Number of accredited (confirmed, verified) lecturers	Decisions of NEAQA	Each Serbian HEI partner	At the end of accreditation pr.
6				



Metrics for training of teachers

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number of organized trainings for teachers	Event reports	WP2 Leader	After every training visit to EU partners
2	Number of teachers trained during study visits abroad	Individual travel reports; Event reports	Each Serbian HEI partner	After every training visit to EU partners
3	Number of courses covered by teachers trained during study visits abroad	Individual travel reports; Event reports	Each Serbian HEI partner	After every training visit to EU partners
4				



Metrics for the student enrollment

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number of published enrollment calls per year (Number of Serbian HEI partner who published enrollment calls per year)	Enrollment calls	WP3 Leader	After the enrollment period for master studies (in November each year)
2	Number of open positions for students (per institution)	Enrollment calls	UNS, UB, UNI	After the enrollment period for master studies (in November each year)
3	Number of candidates applied (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November each year)



Metrics for the student enrollment (2)

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
4	Number of candidates applied from Serbia (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November each year)
5	Number of candidates applied from abroad (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November each year)
6	Number of candidates who don't meet enrolment requirements (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November e.y.)



Metrics for the student enrollment (3)

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
7	Number of enrolled students (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November each year)
8	Number of enrolled students from Serbia (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November each year)
9	Number of enrolled students from abroad (per institution)	Enrollment documents	UNS, UB, UNI	After the enrollment period for master studies (in November each year)
10				



Metrics for operation of the master program

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number of students per study program (per institution)	Student records	UNS, UB, UNI	At the end of each semester
2	Number of students per module (per institution)	Student records	UNS, UB, UNI	At the end of each semester
3	Number of students per course (per institution)	Student records	Each Serbian HEI partner	At the end of each semester
4				



Metrics for learning analytics

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number and % of students who successfully passed the course	Student records	Each Serbian HEI partner	Cumulative, after each exam term
2	Success rate per module (% of students who passed all courses)	Student records	UNS, UB, UNI	At the end of school year
3	Success rate per course (% of students who passed the course)	Student records	Each Serbian HEI partner	At the end of school year
4	Average grade per course	Student records	Each Serbian HEI partner	At the end of school year
5	Total number of submitted master thesis applications	Student records	UNS, UB, UNI	At the end of school year



Metrics for learning analytics (2)

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
6	Number of submitted master thesis applications per course	Student records	UNS, UB, UNI	At the end of school year
7	Total number and % of approved master thesis applications	Student records	UNS, UB, UNI	At the end of school year
8	Number and % of approved master thesis applications per course	Student records	UNS, UB, UNI	At the end of school year
9	Total number and % of completed master thesis	Student records	UNS, UB, UNI	At the end of school year
10	Number and % of completed master thesis per course	Student records	UNS, UB, UNI	At the end of school year



Metrics for learning analytics (3)

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1 1	Number of students who left studies – dropout rate (per institution)	Student records	UNS, UB, UNI	Cumulative, at the end of each semester
1 2	Average duration of studies	Student records	UNS, UB, UNI	At the end of school year
1 3				



Metrics for cooperation with companies and student internships

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number of companies contacted for cooperation	Communication records	UNS, UB, UNI	At the end of school year
2	Number of companies agreed to cooperate	Communication records	UNS, UB, UNI	At the end of school year
3	Success rate of cooperation invitation	Communication records	UNS, UB, UNI	At the end of school year
4	Number of granted internships	Communication records, signed agreements	UNS, UB, UNI	At the end of school year
5	Number of students applied for internship (per internship)	Application records	UNS, UB, UNI	At the end of school year



Metrics for cooperation with companies and student internships (2)

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
6	Number and % of students granted an internship	Application records, internship agreements	UNS, UB, UNI	At the end of school year
7	Number and % of students started an internship	Internship reports	UNS, UB, UNI	At the end of school year
8	Number and % of students successfully completed an internship	Internship reports	UNS, UB, UNI	At the end of school year
9	Average duration of internships	Internship reports	UNS, UB, UNI	At the end of school year
10				



Metrics for LLL courses

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number of LLL courses	LLL course list	WP3 Leader	When LLL course list is approved by SC
2	Number of LLL courses per institution	LLL course list	Each Serbian HEI partner	When LLL course list is approved by SC
3	Number of candidates applied for LLL course (per course)	Application records	Each Serbian HEI partner	After application process for LLL courses
4	Number and % of candidates attended LLL course (per course)	Application records	Each Serbian HEI partner	After application process for LLL courses
5	Success rate (% of attendees who finished LLL course)	Event reports	Each Serbian HEI partner	After finish of LLL courses



Metrics for satisfaction of students

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Satisfaction with premises (space, equipment)	Student feedback form (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of the semester
2	Satisfaction with course description (objectives, structure, requirements)	Student feedback form (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of the semester
3	Satisfaction with clarity of presentation	Student feedback form (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of the semester
4	Satisfaction with teaching materials	Student feedback form (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of the semester
5	Satisfaction with communication with lecturer	Student feedback form (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of the semester
6	Satisfaction with gained knowledge	Student feedback form (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of the semester
7				



Metrics for satisfaction of LLL course attendees

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Satisfaction with premises (space, equipment)	LLL course feedback from (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of LLL course
2	Satisfaction with course description (objectives, structure, requirements)	LLL course feedback from (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of LLL course
3	Satisfaction with clarity of presentation	LLL course feedback from (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of LLL course
4	Satisfaction with teaching materials	LLL course feedback from (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of LLL course
5	Satisfaction with communication with lecturer	LLL course feedback from (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of LLL course
6	Satisfaction with gained knowledge	LLL course feedback from (Satisfaction questionnaire)	Each Serbian HEI partner	At the end of LLL course
7				



Metrics for employability of students

	Indicator	How indicator will be measured	Who is responsible for measurement and reporting	When to measure
1	Number and % of students employed 6 months after graduation	Communication records	Each Serbian HEI partner	6 months after graduation
2	Number and % of students employed a year after graduation	Communication records	Each Serbian HEI partner	A year after graduation
3				



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Thank you for your attention!