

LFM

Erasmus+: KA2

*Capacity building projects in Higher
Education*

LOGICAL FRAMEWORK MATRIX – LFM

<p>Wider Objective: What is the overall broader objective, to which the project will contribute?</p> <ul style="list-style-type: none"> • 	<p>Indicators of progress: What are the key indicators related to the wider objective?</p> <ul style="list-style-type: none"> • 	<p>How indicators will be measured: What are the sources of information on these indicators?</p> <ul style="list-style-type: none"> • 	
<p>Specific Project Objective/s: What are the specific objectives, which the project shall achieve?</p> <ul style="list-style-type: none"> • 	<p>Indicators of progress: What are the quantitative and qualitative indicators showing whether and to what extent the project's specific objectives are achieved?</p> <ul style="list-style-type: none"> • 	<p>How indicators will be measured: What are the sources of information that exist and can be collected? What are the methods required to get this information?</p> <ul style="list-style-type: none"> • 	<p>Assumptions & risks: What are the factors and conditions not under the direct control of the project, which are necessary to achieve these objectives? What risks have to be considered?</p> <ul style="list-style-type: none"> •
<p>Outputs (tangible) and Outcomes (intangible): • Please provide the list of concrete DELIVERABLES - outputs/outcomes (<u>grouped in Workpackages</u>), leading to the specific objective/s.:</p>	<p>Indicators of progress: What are the indicators to measure whether and to what extent the project achieves the envisaged results and effects?</p> <ul style="list-style-type: none"> • 	<p>How indicators will be measured: What are the sources of information on these indicators?</p> <ul style="list-style-type: none"> • 	<p>Assumptions & risks: What external factors and conditions must be realised to obtain the expected outcomes and results on schedule?</p> <ul style="list-style-type: none"> •
<p>Activities: What are the key activities to be carried out (<u>grouped in Workpackages</u>) and in what sequence in order to produce the expected results?</p> <ul style="list-style-type: none"> • 	<p>Inputs: What inputs are required to implement these activities, e.g. staff time, equipment, mobilities, publications etc.?</p> <ul style="list-style-type: none"> • <div style="border: 1px solid red; padding: 5px; margin-top: 10px; text-align: center;"> <p>Nakon izrade budžeta</p> </div>		<p>Assumptions, risks and pre-conditions: What pre-conditions are required before the project starts? What conditions outside the project's direct control have to be present for the implementation of the planned activities?</p> <ul style="list-style-type: none"> •

WIDER OBJECTIVE

example:

To ensure that the targeted Partner Country university is in a position to offer education that meets the changing needs of the economic environment

Wider objective – example 1

- *Improvement of regional quality in order to increase competitiveness of the regional economy and improve quality of life*

Attention:
An example of a WO that is not clear and good enough!



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An example of a WO that is not clear and good enough!

Wider objective – example 2

- *...creation of favorable conditions for sustainable development of partner countries through the collaboration of EU & PC Universities for joint training of a new generation of engineers, who will be able to combine the social, environmental and economic-technological aspects of sustainable manufacturing, and use the system approach for decision making.*



Attention:

An example of a WO that is not clear and good enough!

Wider objective - example 3

- *Create Better connectivity of Universities with a stakeholders*
- *Better employability fo graduates*
- *Better connection with a ALUMNI*
- *Strengthening the links and partnership between partner Institutions*
- *Strengthening the partnership between the Stakeholders forums in Region and Partner Institutions.*



Wider objective – example 4

- *To increase attractiveness of engineering education through innovative teaching methods as well as through the strengthening of university- secondary vocational schools collaboration*



SPECIFIC OBJECTIVES

“SMART”

example:

To bring undergraduate curricula, teaching methods and library facilities at the Faculty of Economics of the University of xxx into line with the Bologna requirement by December xxx.

Attention:

An example of SOs that are not clear and good enough!

Specific objectives – example 1

- *To develop training programs and consulting services for quality improvement of WBC enterprises*
- *Improvement of competitiveness of WBC enterprises through increased quality*
- *Improvement of regional cooperation and cooperation with enterprises*
- *Providing the feed back for improvement of University courses in the field of quality*



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Specific objectives – example 2

- Basing on the EU experience, to develop a Methodology for introduction of basic provisions and requirements of Sustainable Manufacturing into existing engineering curricula with the focus on 3-cycle ECTS educational structure, degree and diploma recognition, qualification frameworks during the 1st project year.
- To develop a course 'Basics of Sustainable Manufacturing' for engineering specialties of at least 2 credits ECTS (72 hours of study).
- According to developed Methodology, to modernize Master Program in Mechanical Engineering in terms of inclusion the Course “Basics of Sustainable Manufacturing” into Curricula and modernization of at least 2 existing courses in each PC. To introduce modernized Master Program from September 2015.
- To disseminate widely project results and knowledge about Sustainable Manufacturing among professionals, students and population on the whole aiming to form the culture of sustainable manufacturing during the project and beyond.



Attention:

An example of SOs that are not clear and good enough!

Specific objectives – example 3

- *Study program analysis*
- *Creation of Stakeholders Forum on each Partner University*
- *Creation and better organisation of ALUMNI*
- *Founding and creation of network of Stakeholders and Universities in SEE region*
- *Improvement of students and teachers practical work*
- *Improvement and better University/Faculty connection with a industrial and business environment*
- *Creation of plan for new students grants based on business and industry needs*



Specific objectives – example 4

- *To build cross-universities network of remote engineering laboratories in order to enhance engineering education at Serbian HE institutions*
- *To strengthen university-secondary vocational schools collaboration through secondary vocational schools teacher training in using resources of The Library of Remote Experiments*
- *To bring remote engineering experiments into secondary vocational school classrooms in order to promote engineering education attractiveness to prospective engineering students*



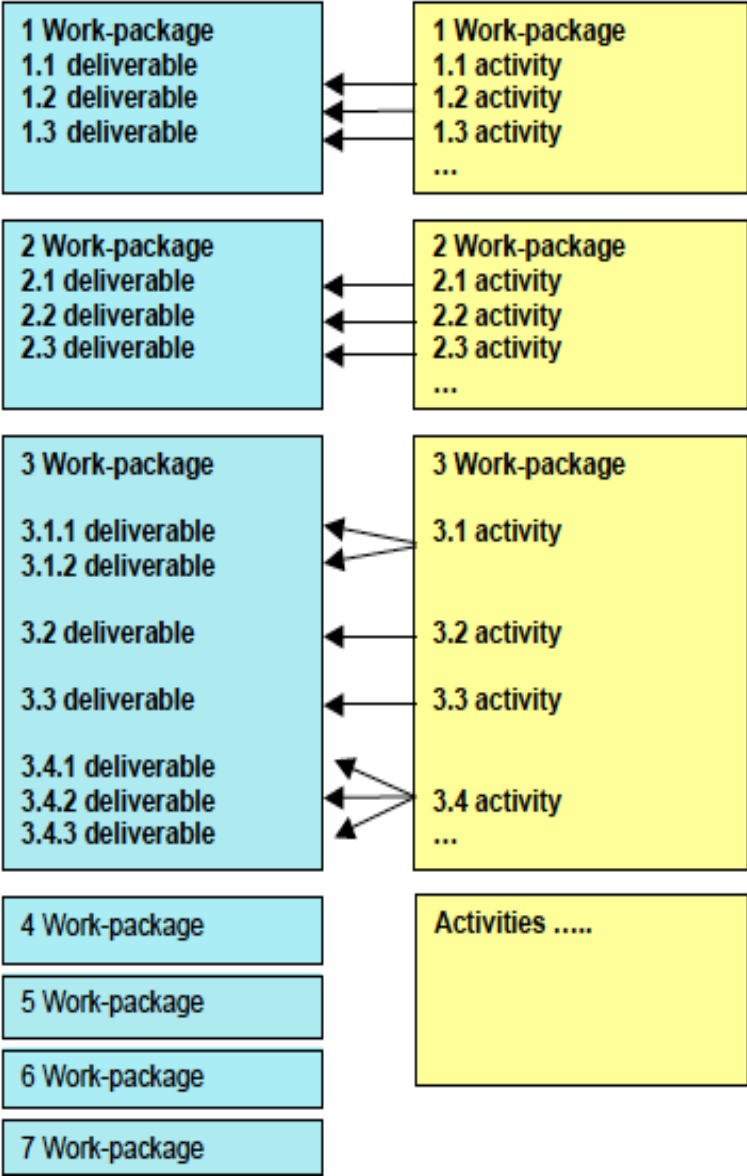
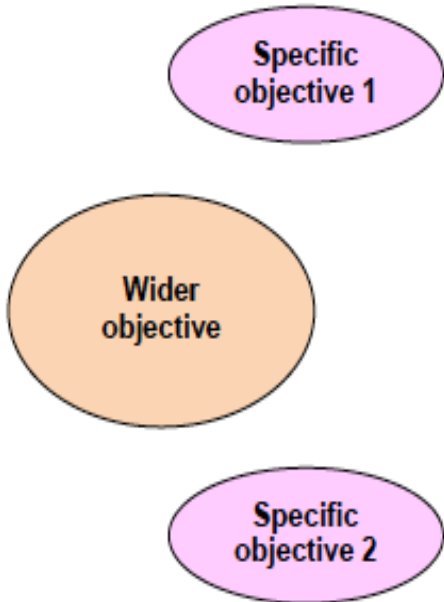
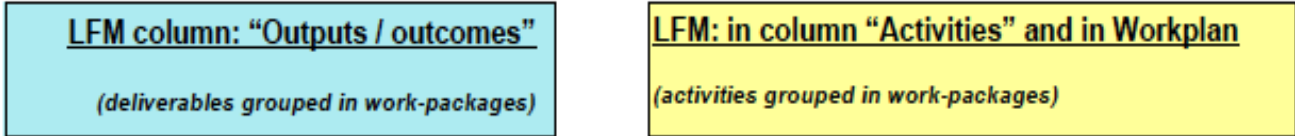
Work packages: types

- **Preparation WP**
- **Management WP**
- **Implementation WP**
- **QA and Monitoring WP**
- **Dissemination and Exploitation WP**

At least one work package must be elaborated for each of the 5 work package types listed above!

Activities → deliverables

- *Consortium meeting → consolidated work plan/ financial plan*
- *Preparation of teaching material → teaching material*
- *Organisation of a training course → training material + staff trained*
- *Preparation of event for students → students questionnaires filled and analysed*
- *Writing of a final report → report*
- *Training of student services → counseling service introduced for students*
- *.....*



Types of work-packages

- Preparation WP
- Management WP
- Implementation WP
- QA and Monitoring WP
- Dissemination and Exploitation WP

– At least one work package must be elaborated for each of the 5 work package types listed above!

Inputs

- *Staff: xxx days partner 1, xxx days partner 2, xxx days partner 3, xxx days of ext. experts (etc.)*
- • *Mobility: xxx flows (average xxx days each)*
- • *Equipment zzzz*



Assumptions and risks

- *... good number of students interested to enroll the study programme developed through the project ≠ ... lack of interest from students*
- *Timely finalisation of the accreditation procedures ≠ ...that accreditation of the new curriculum might not be granted by the national authorities*

LFM and other parts of a project description

- *D 1.2 ...role of your organisation in the project*
- *D 2.1 and D2.2project management and communication arrangements*
- *E1 ...motivation behind the project*
- *E3 ... European added value*
- *E4 ... innovative elements*
- *F1aims and objectives*
- *F2 ... activities and methodology*
- *F3 ... budget and cost effectiveness*
- *F4 ... quality control and monitoring*
- *G1... expected impact and impact indicators*
- *G2... dissemination and exploitation strategy*
- *G3... sustainability*

- *PART H – WORK PACKAGES, DELIVERABLES-RESULTS-OUTCOMES*

Rad u grupama

Vezba 2.1 / ciljevi i radni paketi (naslovi)

- Grupa A (žuti papirići) i
- C (zeleni papirići) ostaju u prostoriji 1
- Grupa B (narandžasti papirići) i
- D (roze papirići) odlaze u prostoriju 2

- Ručak u 12h

Vezba 2.2 / razrada paketa na aktivnosti i rezultate

Nastavak rada u grupama od 12.45h