

REPUBLIC OF SERBIA
MINISTRY OF ENVIRONMENTAL PROTECTION
MINISTRY OF FINANCE
Department for Contracting and Financing of
EU Funded Programmes

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**#EY
ЗА ТЕБЕ**

EU FOR BETTER ENVIRONMENT



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ЗА ТЕБЕ**

Launch of the Stakeholder-Led multi-criteria analysis of the WAM A, WAM B and WAM C

Public event for the preparation of the draft Programme of Air protection of the Republic of Serbia with Action plan

Gonçalo Cavalheiro, September, 10 2021

Content of the presentation

- Definition of Multi-Criteria Analysis
- Approach for Multi-Criteria Analysis in the scope of the project
- Key elements of the procedure

Multi-Criteria Analysis: a definition

MCA is a **decision-making tool**:

*Multi-criteria analysis establishes **preferences between options** by reference to an **explicit set of objectives** that the decision-making body has identified, and for which it has established **measurable criteria** to assess the extent to which the objectives have been achieved.*

Department for Communities and Local Government (UK)

MCA and other decision-making tools

MCA can be a useful **complement or alternative** to cost benefit analysis, and is particularly relevant at the two following stages of an Impact Assessment, either independently or in combination:

- at the stage of **assessing the economic, social and environmental dimensions** of each option including possible trade-offs between some of these dimensions;
- at the stage of comparing the policy options: against the 3 main criteria of **Effectiveness, Efficiency and Coherence** with other EU policies (wherever relevant).

https://ec.europa.eu/info/sites/default/files/file_import/better-regulation-toolbox-63_en_0.pdf

Approaches to MCA

Expert-led

- More technically and scientifically sound
- More or less limited depending on the number and respective backgrounds of experts engaged
- Bias based on expertise background
- More robust if (peer) reviewed

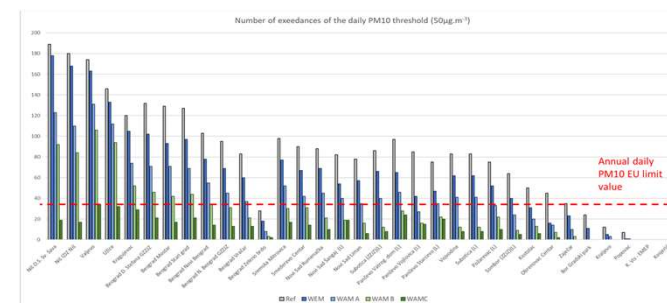
Stakeholder-led

- Great heterogeneity of specific knowledge in the assessment of criteria
 - Challenges associated with translating technical information into language understandable by diverse stakeholders, while retaining technical soundness.
- Greater diversity of interests reflected
- Bias based on personal and/or community interests
- Contributes to greater ownership of policy decision



The stakeholder-led MCA Approach: the accompanying report (i)

- A short report to support participation
 - Description of the methodology
 - Description of the criteria and of indicators
- Written in a simple form, presenting only basic information to facilitate an effective participation by a wide range of stakeholders.



The stakeholder-led MCA Approach: the accompanying report (ii)

The report can be found at the project website:

<https://eas3.euzatebe.rs/en/about-project>



Project

ADDITIONAL DEVELOPMENT OF EU ENVIRONMENT APPROXIMATION FOR
AIR, CHEMICALS AND HORIZONTAL ACQUIS
(EuropeAid/138598/IH/SER/RS)

Multi-Criteria Analysis of the 3 With Additional Measures Scenarios

Instructions and Simplified Technical Information for Stakeholder
Participation

September, 10 2021





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The stakeholder-led MCA Approach: the online questionnaire

- Simple questionnaire, with the same structure for all question to make answering easier.
- Stakeholders are asked to use the same scale to express satisfaction or dissatisfaction with all indicators.
- Accessible via link included in report

Stakeholder MCA Air Quality Program Scenarios

 gnpcavalheiro@gmail.com (não partilhado) [Mudar de conta](#) 

*Obrigatório

Questions regarding environmental criteria

How satisfied are you with the PM10 emissions reductions achieved with scenario WAM A? *

1 2 3 4 5 6 7 8 9 10

Not Satisfied at All ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ Extremely Satisfied

The questionnaire (i)

Three criteria:

- Environmental:
 - PM10 emissions reductoins
 - Number of daily exceedances
- Health:
 - avoid premature deaths
- Economic:
 - Additional costs
 - Net benefits (health benefits minus additional costs)

	2015 Ref	2030 - WEM	2030 - WAM A	2030 - WAM B	2030 - WAM C
Užice	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	
Valjevo	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	
Niš	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	
Kragujevac	PM10 & PM2.5	PM10 & PM2.5	PM10 & PM2.5	PM10	
Beograd	PM10 & PM2.5 & NO2	PM10 & PM2.5	PM10 & PM2.5	PM10	
Pančevo	PM10 & PM2.5	PM10 & PM2.5	PM10		
Novi Sad	PM10 & PM2.5	PM10	PM10		
Sremska Mitrovica	PM10 & PM2.5	PM10 & PM2.5	PM10		
Smederevo	PM10 & PM2.5	PM10	PM10		
Vojvodina	PM10 & PM2.5	PM10	PM10		
Subotica	PM10 & PM2.5	PM10	PM10		
Požarevac	PM10 & PM2.5	PM10 & PM2.5			
Sombor	PM10 & PM2.5	PM10 & PM2.5			
Obrenovac	PM10				
Kostolac	PM10				
Zaječar	PM10				
Vranje	SO2				
Bor	SO2	SO2	SO2	SO2	
Cacak	NO2				

The questionnaire (ii)

Additional questions to better understand the stakeholders background in relation to answers, e.g.

Please help us understand better your answers above

Изаберите изјаву која најближе описује ваш случај: (Please choose the statement below which applies more closely to your case) *

- ☐ На моје одговоре на горња питања највише су утицале емисије и прекорачења граничних вредности у граду у којем живим или радим (или који ми је најближи). (The evaluation I provided above was mostly influenced by the emissions and exceedances in the city where I live or work (or the closest one)).
- ☐ На моје одговоре на горња питања највише су утицали укупни резултати сценарија, без обзира на резултате у граду у којем живим или радим (или који ми је најближи). (The evaluation I provided above was mostly influenced by the overall results of the scenarios, regardless of the results in the city I live or work in (or the closest one)).

The questionnaire (iii)

Weighing the criteria

Бодовање критеријума (Weighing the criteria)

Оцените релативан значај критеријума заштите животне средине. (Please attribute a relative importance to the environmental criterion.)

1 2 3 4 5
никава (Not Important at All) ☐ ☐ ☐ ☐ ☐ изузетно значајан (Extremely Important)

Оцените релативан значај критеријума здравља. (Please attribute a relative importance to the health criterion.)

1 2 3 4 5
никава (Not Important at All) ☐ ☐ ☐ ☐ ☐ изузетно значајан (Extremely Important)

Оцените релативан значај економског критеријума. (Please attribute a relative importance to the economic criterion.)

1 2 3 4 5
никава (Not Important at All) ☐ ☐ ☐ ☐ ☐ изузетно значајан (Extremely Important)

The questionnaire (iv)

Available for answering during two weeks from

Monday, September 13th
until
Monday, September 27th

Accessible at <https://eas3.euzatebe.rs/en/about-project>

Hvala!



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Questions and assistance

Matej Gasperic

SNKE | EuropeAid/138598/IH/SER/RS

+381 60 768-6660

matej@eas3.rs

Gonçalo Cavalheiro

Senior Non-Key Expert

gcavalheiro@caos.com.pt

Thank you for your attention!