



Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Training Workshop on Quality Control of SEA and EIA Documentation in the Republic of Moldova

24 May 2023, Chisinau

Michal Musil

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Guidelines on Quality Control of SEA Documentation (SEA QC Guidelines) for the Republic of Moldova

- to support effective application of the existing SEA-related legal framework (national and international), i.e., to serve as a tool for the SEA competent authorities to evaluate the quality of SEA procedure (including the SEA report)
- to complement existing Guidance documents (such as the Guideline for conducting the Strategic Environmental Assessment, published as Order No 219 dated 01/10/2018 of MARDE and published in the Official Gazette of the Republic of Moldova no. 384-395 articles 1493).

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Guidance structure

The quality of SEA as understood for the purpose of this Guidelines as a compliance with the criteria derived from both formal provisions (stipulated by the law 11/2017 on SEA) and from general objectives and principles of an international good SEA practice. This distinction is reflected by the structure of the Guidelines, which consists of two sets of criteria concerning:

- Design of the SEA process and compliance with the Law 11/2017 on SEA (Check-list 1)
- Quality review of the SEA Report (Check-list 2)

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by the European Union

Procedural check

- **The Checklist 1** concerning SEA process and legal compliance can be used by the responsible staff of the Competent Authority as a guiding tool on each SEA step throughout the whole process to ensure that all procedural steps were correctly executed, as well as in the final stage as a component of the overall quality control of SEA evaluation.

Checklist 1: Compliance with the SEA procedural requirements

Criteria	Yes	No	Comments
Determination of need for SEA (Screening)			
(See) Has the initiator established whether the strategic document under preparation requires SEA?			
Does the strategic document meet criteria stipulated in Article 3, para 1, letters a,b of the Law 11/2017 on SEA (i.e., no screening required)?			
Does the strategic document meet criteria stipulated in Article 3, para 2 or 3 of the Law 11/2017 on SEA (i.e., screening required)?			
Has the initiator submitted the application for the preliminary assessment/ scoping application as per Article 5?			

(See the full template)

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Substantial SEA Report quality review

- **The Checklist 2** is used only when the SEA Report is available, i.e., in the advanced phase of the SEA process, namely as an aid tool in the phase of formal quality control as per Article 8 of the Law 11/2017 on SEA). Upon receipt of the SEA Report the responsible experts (e.g., members of the commission of experts, as per Article 8 of the Law 11/2017 on SEA) can use both checklists provided in this Guidelines containing a set of evaluation questions for each of the aspects of the SEA quality

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Checklist 2: Quality review of the SEA Report

- Guiding questions
- Each question accompanied with explanation of 'rationale' (i.e. why it is important and what to consider in evaluation)

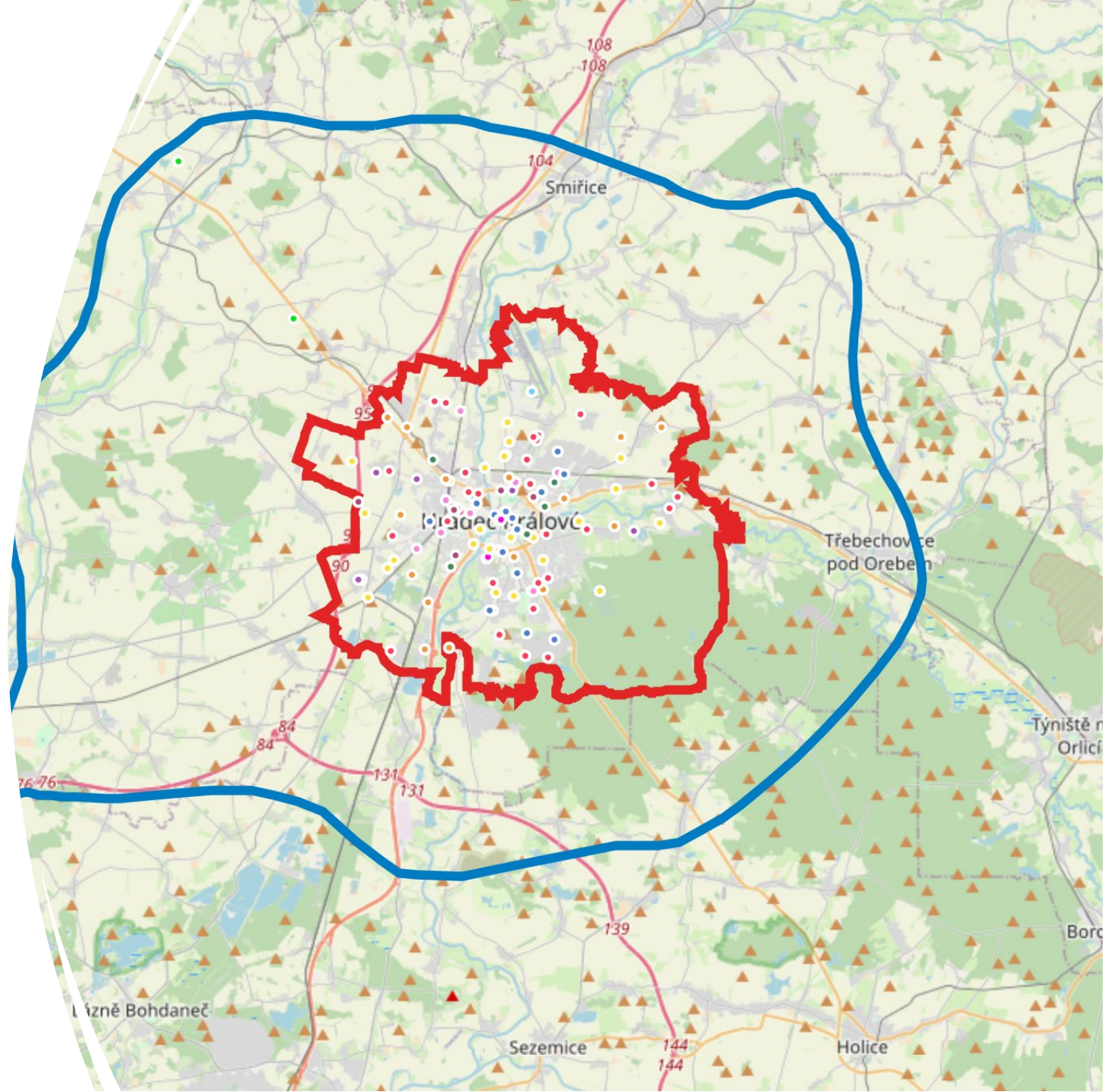
(See the full checklist)

Action implemented by:



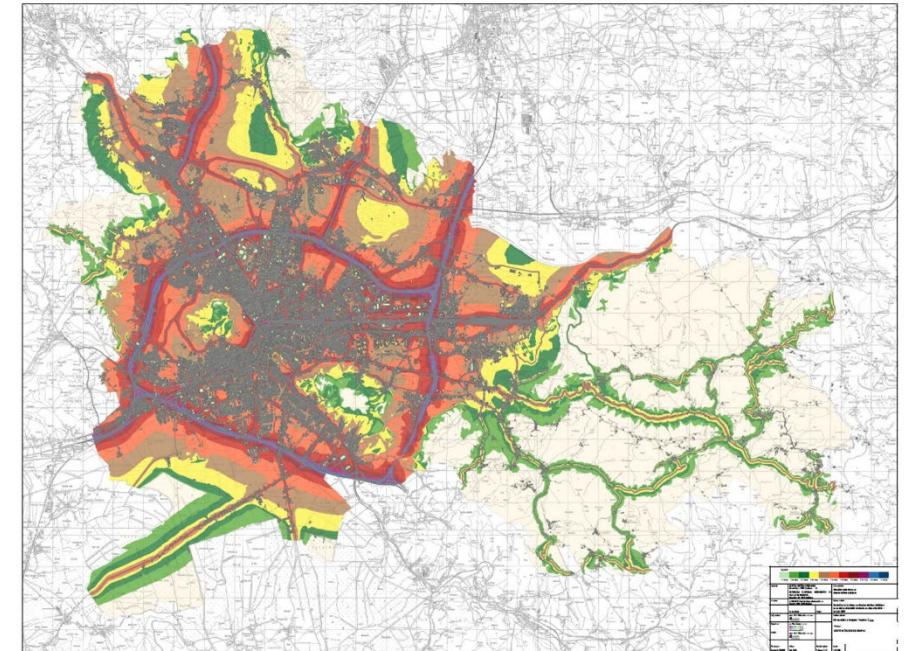
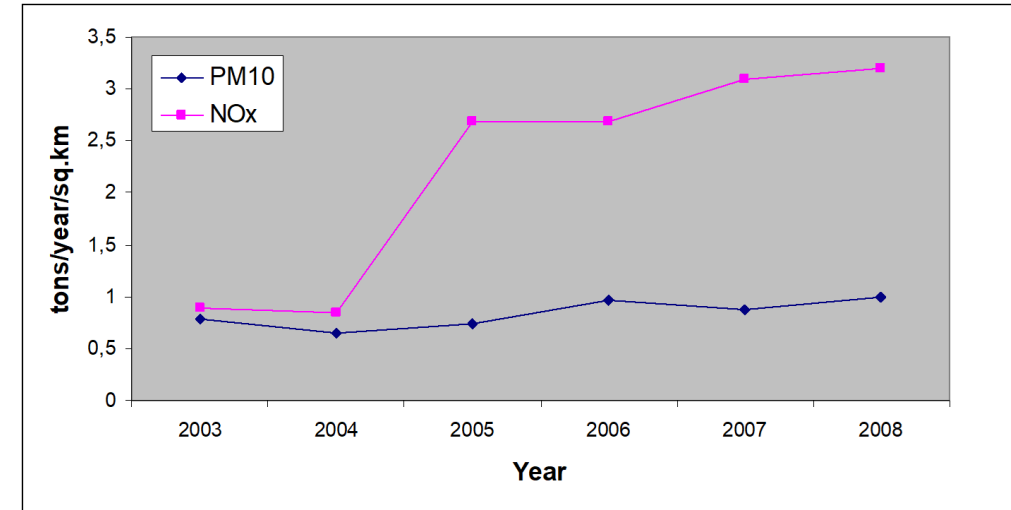
Typical issues – insufficient understanding to the Program/Plan

- Were the linkages between the plan under assessment and other existing plans (or major projects) identified and described?
- Was the territorial scope of SEA (i.e., area to be likely affected by the plan) defined?
- Does the Plan contain specific projects (which would not take place without the Plan)?



Typical issues – Meaningfull Baseline analysis

- Were the past trends for the key environmental issues analyzed?
- If so, were the main drivers (i.e., factors influencing trends) identified?
- Was the future evolution of the key environmental issues without the plan's implementation analyzed?
- Were possible limitations regarding the data and information availability (including their availability in the national, district / municipal authorities) and related potential uncertainties in analyses described?





Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Typical issues – description of impacts

- Were all types of effects considered i.e., direct and any indirect, secondary, positive and negative, cumulative?
- Were impacts quantified where possible?
- Was impacts' evaluation substantiated by calculations, examples, references to literature etc.?

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by
the European Union

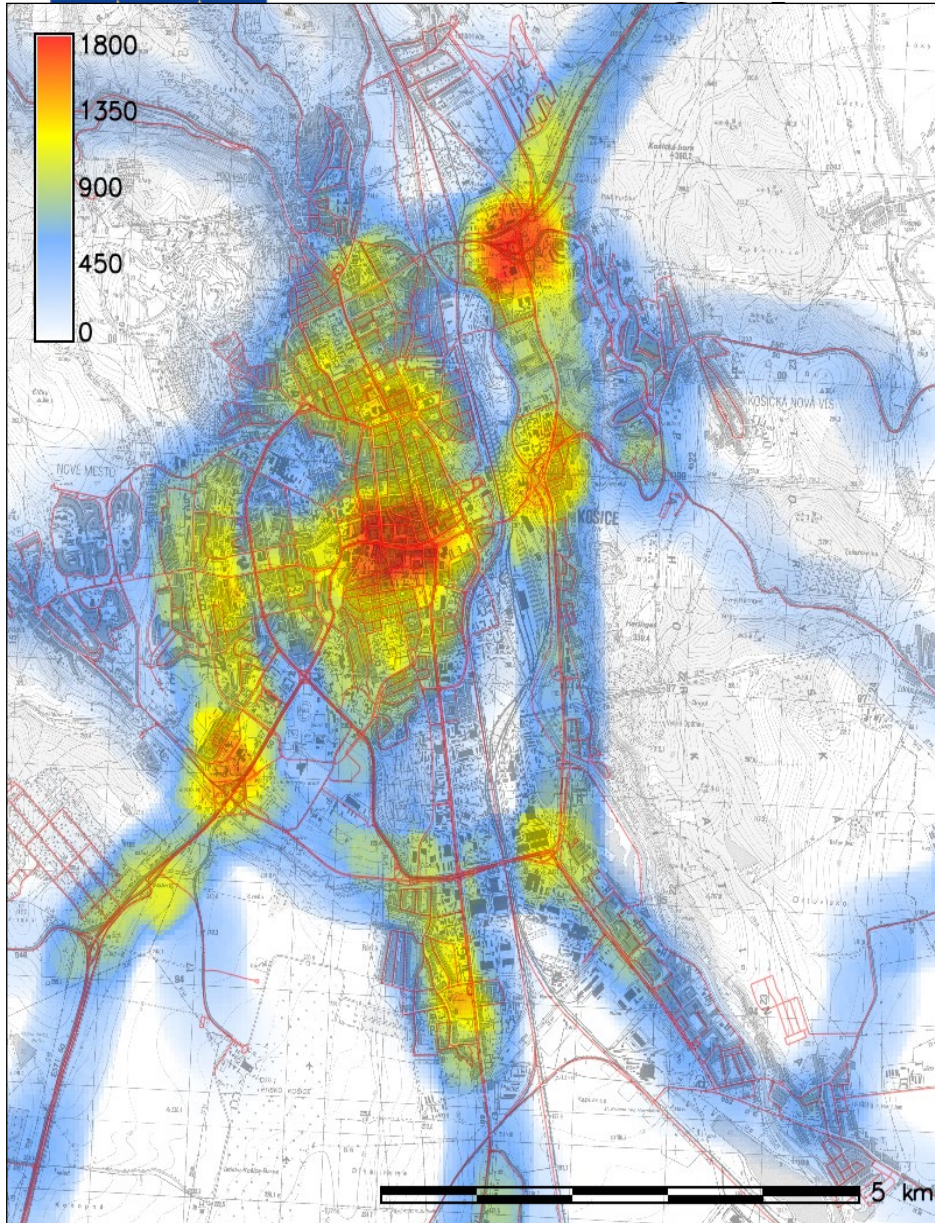
Approach to impact assessment – air quality

Scenario	NO _x	NO ₂	PM ₁₀	PM _{2,5}	B(a)P
	t/year	t/year	t/year	t/year	g/year
Zero	785	194	374	120	715
Active	646	163	375	116	609
Difference	-139	-31	1	-5	-106
	-18%	-16%	0,3%	-3,8%	-15%

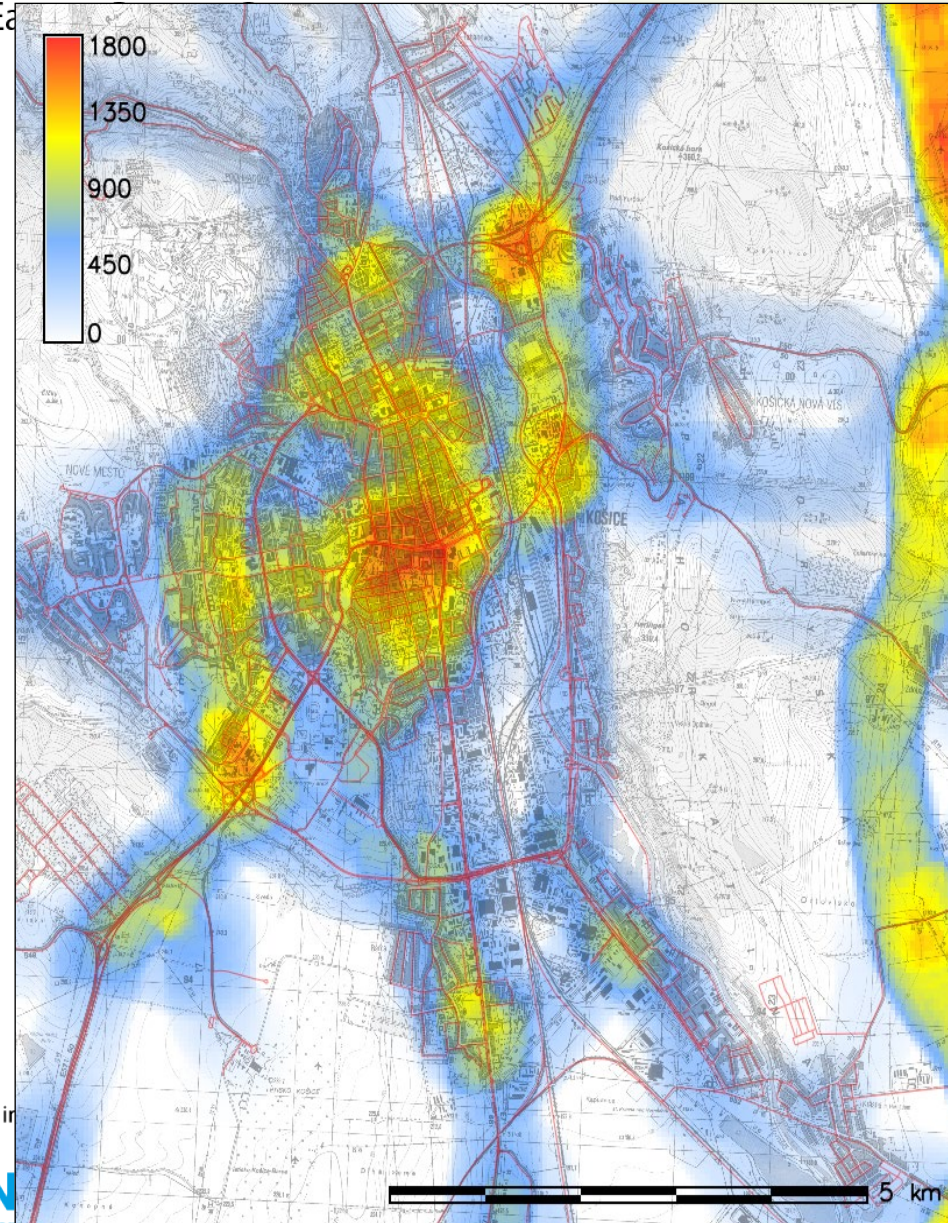
Action implemented by:



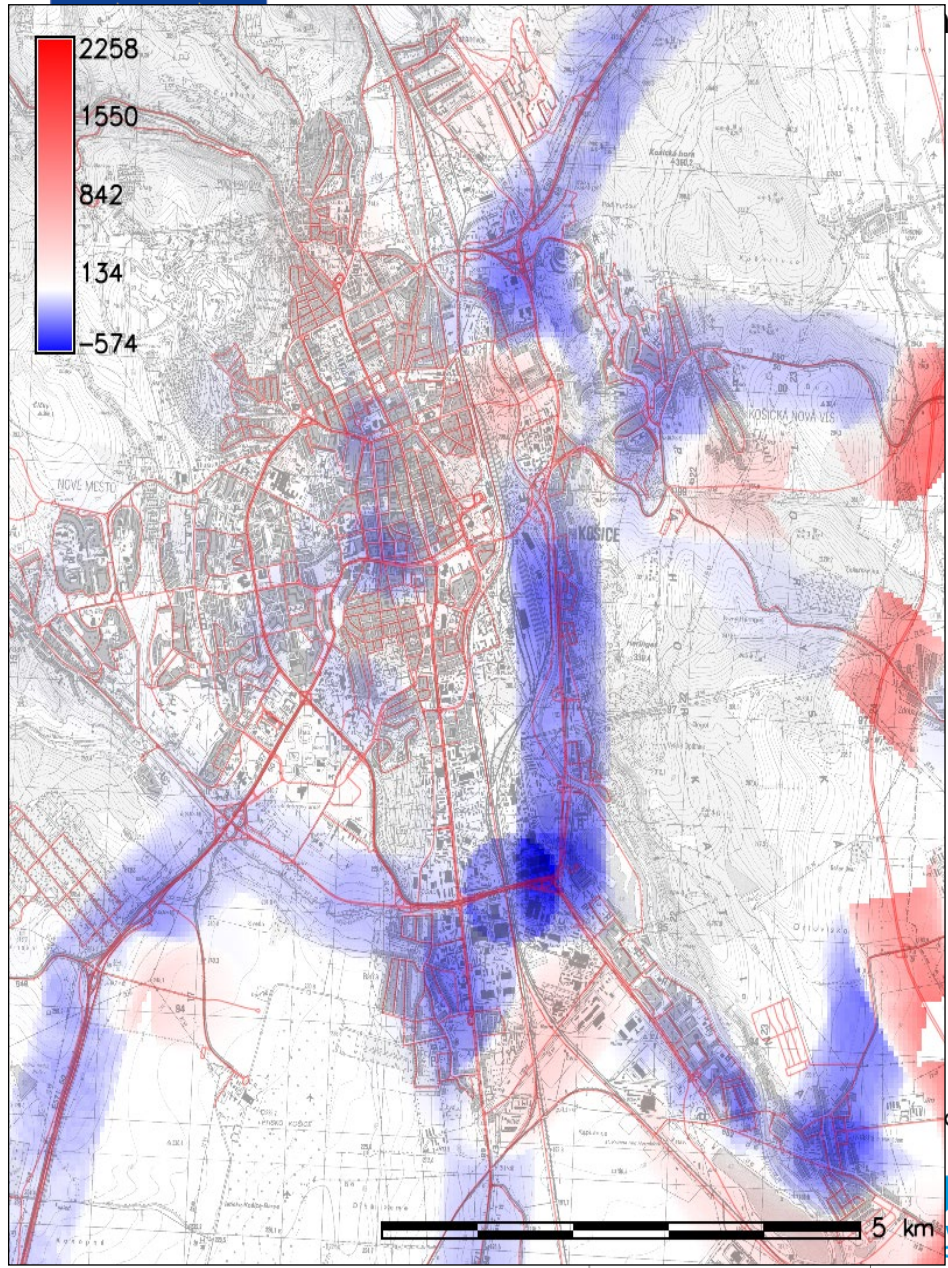
Emisná hustota PM_{2.5} - nulový variant (kg/rok/ha)



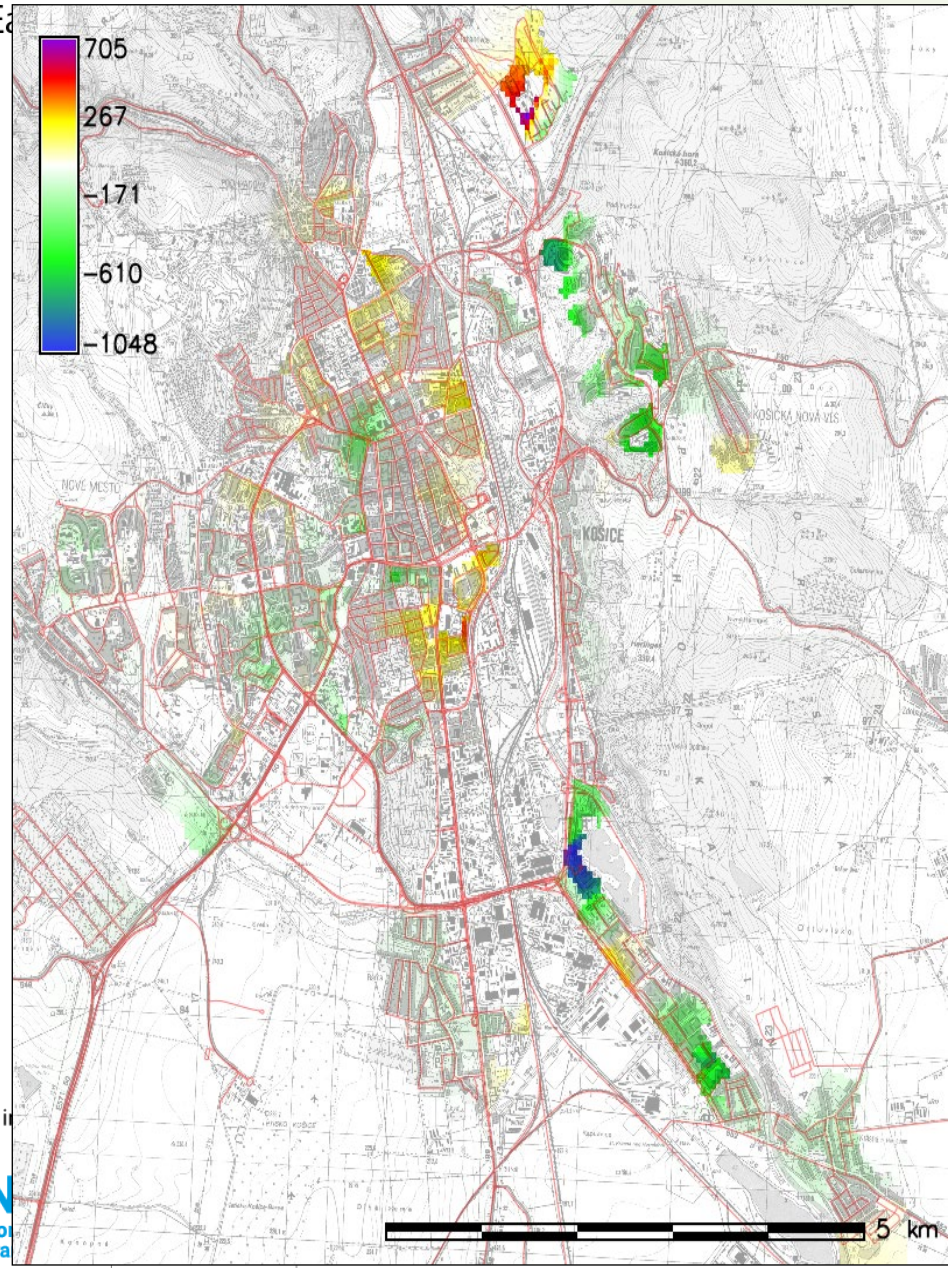
Emisná hustota PM_{2.5} - návrhový variant (kg/rok/ha)



Emisná hustota PM_{2.5} - rozdielová mapa (kg/rok/ha)



Emisná hustota PM_{2.5} - rozdielová mapa (kg/rok/ha).(obyv/ha)





Funded by the European Union

EU4Environment

Green Economy in Eastern Part

Typical issues – Alternatives

- Have any proposed mitigation strategy's negative impacts been described?
- Is it clear if the Initiator has made a binding commitment to implement the mitigation proposed or acknowledged that the Mitigation Measures are just suggestions or recommendations?
- Have the responsibilities for the implementation of mitigation, including roles, responsibilities, and resources, been clearly defined?

Impact / risk	INITIAL PROPOSAL						OPTION 1						OPTION 2	
	Sanitary landfill - Vasov Do (Berane)		Sanitary landfill - Budoš (Nikšić)		Sanitary landfill - Duboki Do (Herceg Novi)		Sanitary landfill - Bijelo Polje (Ramčina, Zaton)		Sanitary landfill - Budoš (Nikšić)		Sanitary landfill - Duboki Do (Herceg Novi)		Sanitary landfill - Bijelo Polje (Ramčina, Zaton)	
	Reg. operation	Accident	Reg. operation	Accident	Reg. operation	Accident	Reg. operation	Accident	Reg. operation	Accident	Reg. operation	Accident	Reg. operation	Accident
Air														
Climate factors														
Water														
Land, soil														
Biological and landscape diversity														
Population, public health														
Cultural heritage														
Material assets														

Environmental issue	Zero alternative	Alternative with 40 % co-fianancing	Alternative with 65 % co-fianancing	Justification for preferred alternative
Emissions of greenhouse gases and climate change	-		+	
Air qulaity	-		+	
soil	-		+	
...	Action implemented by:			





Funded by the European Union

EU Green E

Typical issues – mitigation and monitoring

- Are mitigation measures clearly linked to identified negative impacts – i.e., is it clear which negative effects of the PP will be mitigated by a given measure?
- Was responsibility for implementation of mitigation measures assigned?



Funded by
the European Union

SEA Quality Control Matrix

1. Scope of assessment of the SEA report
2. Baseline analysis
3. Assessment of possible significant effects on the environment
4. Mitigation measures
5. Monitoring
6. SEA report
7. Consultations and stakeholders' participation

Final verdict

(see the full matrix)

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP



Funded by
the European Union

EU4Environment
Green Economy in Eastern Partner Countries

Thank you for your attention.

Q&C

Michal Musil

michal.musil@integracons.com

Action implemented by:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP