WPT1 Methodologies and Tools

WP T1.3 Capacity building programme

Final conference

Vienna

6 December 2022

Project co-funded by European Union funds (ERDF)

www.interreg-danube.eu/savegreen

The Capacity building programme comprised:

- A Report on collection and gap analysis of existing methodologies / best practices / training materials;
- A Toolkit for Ensuring Sustainable Use and Management of Green Infrastructure in Strategic Environmental Assessments (SEA) and Environmental Impact Assessments (EIA);
- A Handbook of best practices for planning and implementation of mitigation measures;
- Capacity building materials which are a support for capacity building events.

Current status

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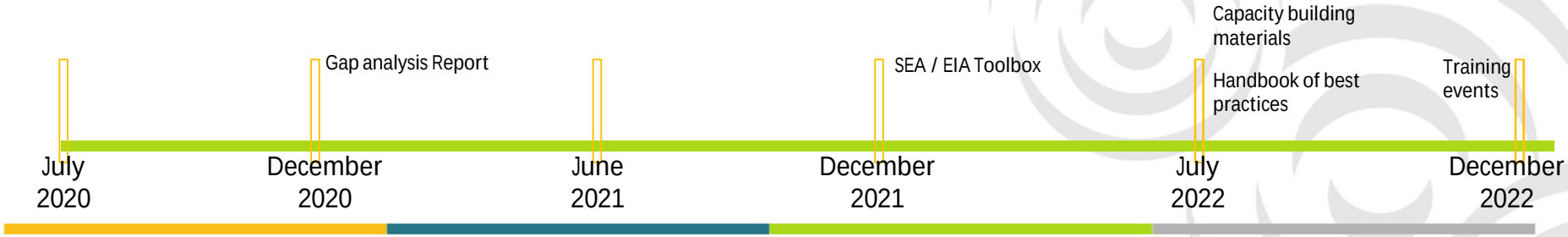
Finalised	In progress	Upcoming
Gap analysis Report	Handbook of best practices	
	Training events	
SEA / EIA Toolbox		
Capacity building materials		



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- Its scope was to ensure that all of the gaps in the knowledge of stakeholders in regards to ecological connectivity will be covered in the future training sessions;
- It was developed based on the responses to a questionnaire, which was sent via email;
- The questionnaire was sent to more than 1200 people from all of the project countries, of which 134 answered the questionnarie (mostly from Romania);
- The Report identified 5 main gaps in the stakeholders knowledge on SEA, EIA and ecological corridors;

Main gaps
Gap no. 1 There isn't a clear understanding of the ways in which ecological corridors should be integrated in the SEA / EIA procedures.
Gap no. 2 Stakeholders generally do not have a high level of knowledge in regards to methodological guidelines for taking into consideration ecological corridors in the context of SEA / EIA.
Gap no. 3 It is not very well known to the stakeholders whether ecological corridors are taken into consideration in project design or if the impact is analysed at the level of the landscape.
Gap no. 4 Lack of knowledge regarding the existence of technical guidance for impact avoidance and mitigation measures.
Gap no. 5 Lack of knowledge regarding the inclusion of ecological corridors in the SEA / EIA procedures and a low likelihood that the procedures take into consideration cumulative impacts.

SEA / EIA Toolkit – current status

- The Toolkit is now finalised and in the process of printing
- It is based on EU level requriements for SEA, EIA and AA
- It integrates the latest EC requirements on AA and Natura 2000 assessments (2021 guidelines)
- It includes requirements for assessments of impacts on protected species outside Natura 2000 sites
- It provides examples and models for calculations (effects and impact quantification, impact assessment)

SEA / EIA Toolbox – current status

- It builds on previous projects' work (TRANSGREEN & ConnectGREEN)
- Includes examples of assessments based on Site Specific Conservation Objectives
- Includes aspects related to Cost Benefit Analyses (not very elaborated due to complexity & very specific application)
- Right now it's available in English and Romanian.

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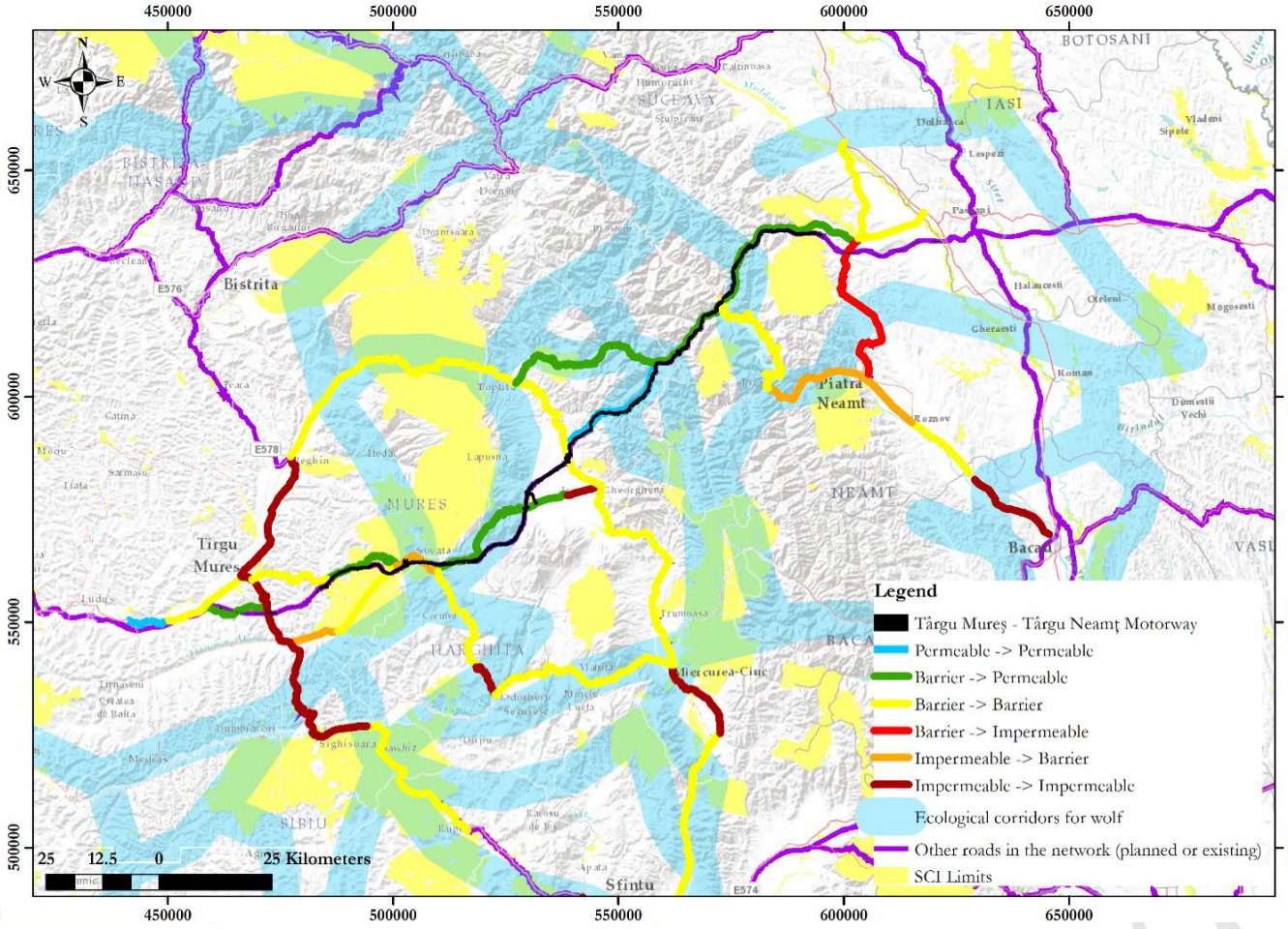

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Area sensitivity	Natural protected area	Km of structure start	Km of structure end	Type of structure	Length (m)	Obstacles for movement	Number of openings	Other movement limitations (m)	Total movement limitations (m)	Length corrected through elimination of obstacles (m)	Average height (m)	Width (m)	OI	Functionality			Distance requirements					
														Large mammals	Medium mammals	Small mammals	Distance to the next functional structure (km)	Large mammals	Distance to the next functional structure (km)	Medium mammals	Distance to the next functional structure (km)	Small mammals
High		916	1+031	**Bridge**	115	Canal	3	60	66	49	3	26	6.28	Medium	Good	Very good	1.947	Yes	1.947	Yes	0.974	Yes
High		2+978	3+158	**Bridge**	180	River	5	48	60	120	5	26	24.31	Good	Very good	Very good	0.806	Yes	0.806	Yes	0.278	Yes
High		4+825	4+863	**Bridge**	38	Canal	1	23	23	15	2	26	0.88	No functionality	Minimal	Medium	2.117	Yes	0.141	Yes	0.141	Yes
High		5+004	5+034	**Bridge**	30	Canal	1	9	9	21	3	26	2.21	Minimal	Medium	Very good	1.946	Yes	1.946	Yes	1.964	No
High		6+980	7+088	**Bridge**	108	Canal	3	12	18	90	4	26	12.69	Good	Very good	Very good	5.412	Yes	2.447	Yes	0.157	Yes
High		9+535	9+590	**Bridge**	55	Creek	1	18	18	37	2	26	2.85	Minimal	Medium	Very good	2.91	Yes	1.412	Yes	0.285	Yes
High		**12+500**	**12+600**	**Ecoduct**	**100**		**1**	**0**	**0**	**100**	**0**	**26**	-	Very good	Very good	Very good	3.5	Yes	0.776	Yes	0.265	Yes
High		13+376	13+425	**Bridge**	49	Creek	1	15	15	34	3	26	3.31	Minimal	Medium	Very good	2.675	Yes	2.675	Yes	0.04	Yes
High		**16+100**	**16+200**	**Ecoduct**	**100**		**1**	**0**	**0**	**100**	-	-	-	Very good	Very good	Very good	4.361	Yes	2.157	Yes	0.08	Yes
High		18+357	18+406	**Bridge**	49	Creek	1	9	9	40	2	26	3.69	Minimal	Medium	Very good	2.155	Yes	2.155	Yes	0.424	Yes
High		**19+806**	**19+820**	**Mammal underpass**	**14**		**1**	**0**	**0**	**14**	**2**	**26**	**1.08**	No functionality	Minimal	Medium	6.362	Yes	0.741	Yes	0.741	Yes
High		20+561	20+668	**Bridge**	107	Creek + county road	2	26	29	78	5	26	16.40	Good	Very good	Very good	5.514	Yes	2.306	Yes	0.132	Yes
Very high	ROSCI0297	22+974	23+014	**Bridge**	40	Creek	1	10	10	30	3	26	3.15	Minimal	Medium	Very good	3.168	Yes	0.847	Yes	0.847	Yes
Low	ROSCI0297	26+182	26+287	**Viaduct**	105	Creek + European road	2	30	33	73	8	26	23.05	Good	Very good	Very good	0.098	Yes	0.098	Yes	0.098	Yes
Low	ROSCI0297	26+385	26+451	**Bridge**	66	River	1	26	26	40	8	26	12.62	Good	Very good	Very good	2.299	Yes	0.284	Yes	0.284	Yes
Low	ROSCI0297	26+735	26+776	**Bridge**	41	Creek	1	11	11	30	4	26	4.23	Medium	Good	Very good	1.974	Yes	0.128	Yes	0.128	Yes
Low	ROSCI0297	26+904	26+954	**Bridge**	50	River	1	10	10	40	2	26	2.97	Minimal	Medium	Very good	1.796	Yes	0.145	Yes	0.145	Yes
Low	ROSCI0297	27+099	27+148	**Bridge**	49	River	1	9	9	40	3	26	5.03	Medium	Good	Very good	1.602	Yes	0.342	Yes	0.342	Yes
Low	ROSCI0297	27+490	27+540	**Bridge**	50	River	1	10	10	40	3	26	5.03	Medium	Good	Very good	1.21	Yes	1.21	Yes	0.9	Yes
High	ROSCI0297	31+285	31+367	**Bridge**	82	Creek	3	12	18	64	19	26	47.59	Very good	Very good	Very good	0.882	Yes	0.882	Yes	0.228	Yes
High	ROSCI0297	32+249	32+386	**Viaduct**	137	Creek	3	16	22	115	6	26	24.77	Good	Very good	Very good	0.694	Yes	0.694	Yes	0.694	Yes
Very high	ROSCI0297	33+080	33+174	**Bridge**	94	Creek + European road	2	17	20	75	8	26	21.97	Good	Very good	Very good	0.247	Yes	0.247	Yes	0.247	Yes
Very high	ROSCI0297	34+352	34+414	**Bridge**	62	Creed	3	22	28	34	7	26	8.72	Medium	Very good	Very good	1.101	Yes	1.101	Yes	0.286	Yes

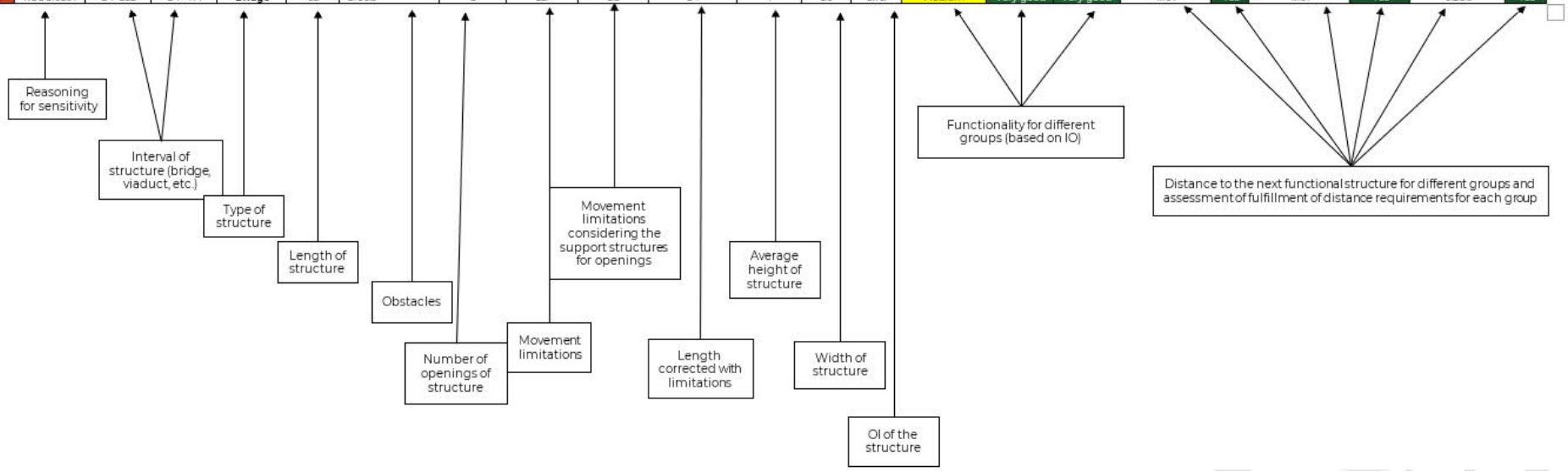

Table 15 Example of a table that could be used for estimating individual mortality due to road traffic during the operation of a project

Category	Species	Average roadkill rate (number of individuals / km / year)	Length of species habitat crossed by road (km)	Estimated mortality of individuals (number of individuals per year)
Birds	*Strix aluco*	2.32	45	104.40
...	...	...	...	...

Current draft includes:

- Overview regarding other available best practice resources
- Overview on measures for connectivity from other domains (agricultural practices, waterbody management, forestry, urban development) (literature)
- Examples of best practices at planning stage – how maintenance of connectivity is included in spatial planning in different countries
- Case studies for mitigation measures proposed for the different domains approached in the document

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Materials include:

- Powerpoint presentation
- Training agenda
- Training plan
- Feedback forms
- SEA / EIA Toolkit
- Handbook
- CSOPs
- Case studies

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What's left to do:

- Finish an online course on SEA and EIA, based on specific videos – to be made availabe in December
- The course will be in Romanian, but in time we intend to have it subtitled in English. It is freely available on a specific platform (Podia.com)
- It covers methodologies necessary for SEA and EIA, detailing the aspects included in the Toolkit mentioned before
- As a support for the course we will also organise an event in Bucharest with representatives of transport companies, authorities, NGOs, universities, project managers, etc.

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Thank you very much!

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