

02. EXAMPLE OF ARAD-DEVA RAPID SECTORAL ASSESSMENT

Zarand (draft v1.)

PRESSURE / THREAT	OBJECTIVE	SECTOR	STAKEHOLDERS
1. Increasing <u>barrier effect</u> through implementation of <u>new</u> infrastructure projects	1. Ensure functionality of underpasses	TRANSPORT, ENVIRONMENT	Motorway comp., Railway comp., Env. agency.
	2. Ensure functionality of overpasses	TRANSPORT, ENVIRONMENT	Motorway comp., Env. agency.
	3. Assign legal status and develop coherent regulations for wildlife passages	TRANSPORT, ENVIRONMENT	Env. ministry
	4. Increase permeability of railway embankments	TRANSPORT, ENVIRONMENT	Railway comp., Env. agency.
	5. Ensure permeability on the BRUA gas pipe sector	TRANSPORT, ENVIRONMENT	BRUA? Env. agency.
2. Increasing <u>barrier effect</u> of existing linear features caused by structural interventions	1. Maintain permeability of existing transport infrastructure	TRANSPORT, ENVIRONMENT	Motorway comp., National roads, County roads, Railway comp.,
	2. Maintain the permeability of main river banks at current level	WATER, ENVIRONMENT	Water management body, Env. agencies
	3. Maintain / increase longitudinal permeability of main river and of its tributaries	WATER, ENVIRONMENT	Water management body, Env. agencies

3. <u>Wildlife mortalities</u> associated with linear infrastructures (including electric power lines)	1. Implement an adequate fencing system on motorways, including escape gates	TRANSPORT, ENVIRONMENT	Motorway comp., Env. agencies
	2. Direct animals towards functional underpasses	TRANSPORT, ENVIRONMENT	Motorway comp., Railway comp., Env. agencies
	3. Warning drivers on road-kill / accident-danger areas	TRANSPORT, ?	Motorway comp., National roads, County roads, Police?
	4. Warning train conductors on road-kill / accident-danger areas	TRANSPORT, ?	Railway comp.,
	5. Prevent accidents caused by mammals blocked in railway tunnels or on long bridges	TRANSPORT, ENVIRONMENT, ?	Railway comp., Env. agencies
	6. Increase drivers / conductors visibility on roads / railways	TRANSPORT, POLICE, FOREST, AGRICULTURE	Motorway comp., National roads, Railway comp., County roads, Police?
	7. Special measures to avoid birds' mortalities (powerlines, sound panels)	TRANSPORT, ELECTRIC POWER, ENV.	Power company, Railway comp., Motorway comp. Env. agency
	8. Special measures to avoid bats' mortalities (lighting)	TRANSPORT, ENV.	Motorway comp. Env. agency
	9. Special measures to avoid amphibians & reptiles' mortalities	TRANSPORT, ENV.	Motorway comp., National roads, Railway comp., County roads, Env. agency
	10. Collect and process data to understand incidents/accidents critical sectors	TRANSP, ENV, POLICE, CITIZEN	Motorway comp., Railway comp., Env. agency

	11. Create and/or train specialized teams to deal with wildlife-related incidents on motorways, including emergency interventions	POLICE?, ENV.	Motorway Police, Gendarmerie, Env. guard.
	12. Develop and use an integrated database as decision-supporting tool to address traffic incidents (to implement / adjust measures to prevent wildlife traffic-kills, damages, human casualties)	TRANSP, ENV, POLICE, CITIZEN	?
4. Reduced landscape permeability caused by <u>changes in land-use</u>	1. Inforce legislation on changes of land-use towards a less permeable categories	AGRICULTURE, FORESTRY, WATER, ENV, Spatial planning	
	2. Facilitate / support changes of land-use toward high permeable categories	AGRICULTURE, FORESTRY, WATER, ENV., EC – subsidy programme?	
5a. Reduced landscape permeability caused by <u>land management</u> - fencing	1. Fencing regulations and promoting non-fenced areas	AGRICULTURE, FORESTRY, ENV, EC – subsidy programme	
	2. Develop guidelines and impose fencing-related conditions linked with agriculture / forestry subsidies or programmes	AGRICULTURE, FORESTRY, ENV, EC – subsidy programme	

5b. Reduced landscape permeability caused by <u>land management</u> – crops/vegetation	1.Prevent large-scale monocultures and/or facilitate/support mosaic cultivation	AGRICULTURE, FORESTRY, ENV, EC – subsidy programme	
	2.Support adequate management of natural features / marginal habitats	AGRICULTURE, FORESTRY, ENV, EC – subsidy programme	
	3.Support and promote development of good-practice examples of connectivity-sensible agriculture and forestry practices	AGRICULTURE, FORESTRY, ENV, EC – subsidy programme	
5c. Reduced landscape permeability caused by <u>land management</u> – degradation of natural habitats	1.Prevent/control spreading invasive plant & animal species and renaturation of invaded /degraded lands	TRANSPORT, AGRICULTURE, FORESTRY, ENV,	
	2.Prevent/inforce legislation on fire	TRANSPORT, AGRICULTURE, FORESTRY, ENV,	
	3.Prevent alteration of water bodies, restore hydric system and support renaturation of wetlands	WATER, AGRICULTURE, FORESTRY, TRANSPORT, ENV,	

6a. Reduced landscape permeability caused by <u>other anthropogenic activities</u> – game management	1. Develop coherent game management plans and apply EIA/AA procedures	HUNTING, ENV	Hunting associations, Ministries, Env. agencies, N2000
	2. Facilitate data-collection on key-species	HUNTING, ENV Citizen	Hunting associations, Ministries, Env. agencies, N2000, NGOs Public
	3. Harmonize game management with Natura 2000 and connectivity-related objectives	HUNTING, ENV FORESTRY, AGRICULTURE, LOCAL STRATEGIES	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs Public
	4. Poaching prevention and control	HUNTING, POLICE, GENDARMERIE, ENV	Hunting associations, Police, Gendarmeries, Env. agencies, N2000, NGOs, Local communities, Public

6b. Reduced landscape permeability caused by <u>other anthropogenic activities</u> – human-wildlife conflicts	1. Facilitate the implementation of legislation on damage compensations	HUNTING, AGRICULTURE, ENV,	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs
	2. Facilitate implementation of traditional shepherding	AGRICULTURE,	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs
	3. Facilitate implementation of modern methods for prevention	AGRICULTURE, ENV,	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs
	4. Facilitate increased subventions based on large carnivores conservation	AGRICULTURE, ENV	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs
	5. Regulate other anthropogenic activities which favor conflicts	ENV,	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs
	6. Facilitate rapid intervention in special situation related with wild animals	GENDARMERIE, HUNTING, ENV	Hunting associations, Ministries, Local communities, Env. agencies, N2000, NGOs

7. <u>Lack of coherent monitoring and adaptation</u>	1. Develop an integrated monitoring programme – indicators, methodologies, tools, standard protocols, database, data management,...	ENV, TRANSPORT, HUNTING, AGRI?.FOREST? – EU subsidies?	
8. <u>Lack of experience / Reduced support from stakeholders at landscape level for an integrated ecosystemic approach</u>	1. Facilitate networking and develop a common platform and database	ALL	
	2. Facilitate information, awareness, education, communication	ALL	
	3. Support research and studies; inter-sectoral capacity building and facilitate development of new labour opportunities	ALL	
	4. Develop a regional identity and promote the area – nature, culture, services	Local/regional communities, N2000	
	5. Facilitate development & alignment of local sustainable development strategies into regional sectoral strategy	Local/regional communities, N2000	
	6. Facilitate / support sustainable development initiatives	Local/regional communities, N2000	