

ANNEX 2a- MAIN SECTORAL STAKEHOLDERS IN THE ARAD-DEVA PILOT AREA

Threat – Objective – Sector – Stakeholders

THREAT / PRESSURE <i>What we want to address?</i>	GENERAL OBJECTIVE <i>What we want to achieve?</i>			SECTOR	STAKEHOLDERS	MAIN ACTORS <i>Who is responsible / could contribute?</i>
	High priority	Medium priority	Low priority			
1	2			3	4	5
1. Increasing barrier effect through implementation of new infrastructure projects	01.Ensure support data for new infrastructure projects			TRANSPORT, ENVIRONMENT LOCAL ADMIN.	MoT, MoE, Motorway comp. (CNAIR), Railway comp. (CFR), Env. agency. (ANPM) Consultancies Research inst. Universities NGOs PAs (ANANP, adm.) Local administrations	Not the case

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	02. Support the SEA/EIA/AA processes and procedures with relevant data and examples of good-practice	TRANSPORT, ENVIRONMENT LOCAL ADMIN.	MoT MoE Motorway comp. (CNAIR), Railway comp. (CFR), Env. agency. (ANPM) Consultancies Research inst. Universities NGOs PAs (ANANP, adm.) Local administrations Funding bodies (EC) Local & general Public	Not the case
	03. Support the design, implementation with examples of good-practice	TRANSPORT, ENVIRONMENT LOCAL ADMIN.	MoT MoE Motorway comp. (CNAIR), Railway comp. (CFR), Env. agency. (ANPM) Consultancies Research inst. Universities NGOs	MoT, MoE, CNAIR, CFR, ANPM Consultancies, Research inst., Universities? NGOs (AZ, FFI, WWF, RO, ProInfrastructura,

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			PAs (ANANP, adm.) Local administrations Funding bodies (EC) Local & general Public	IENE,...), ANANP
	1. Ensure functionality of underpasses	TRANSPORT, ENVIRONMENT	MoT MoE Motorway comp. (CNAIR), Railway comp. (CFR), Env. agency. (ANPM) NGOs PAs (ANANP, adm.)	MoT, MoE, CNAIR, CFR, ANPM Consultancies, NGOs (AZ, WWF RO, ProInfra, IENE,...), ANANP
	2. Ensure functionality of overpasses	TRANSPORT, ENVIRONMENT	MoT MoE Motorway comp. (CNAIR), Railway comp. (CFR), Env. agency. (ANPM) NGOs PAs (ANANP, adm.)	MoT, MoE, CNAIR, CFR, ANPM Consultancies, NGOs (AZ, WWF RO, ProInfra, IENE,...), ANANP
	3. Assign legal status and develop coherent regulations for wildlife passages	TRANSPORT, ENVIRONMENT	MoT MoE Motorway comp.	MoT, MoE, CNAIR,

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	4. Increase permeability of embankments		(CNAIR), Railway comp. (CFR), Env. agency. (ANPM) NGOs PAs (ANANP, adm.)	CFR, ANPM NGOs (AZ, WWF RO, ProInfra, IENE,...), ANANP
		TRANSPORT, ENVIRONMENT	MoT MoE Railway comp. (CFR), Env. agency. (ANPM) NGOs PAs (ANANP, adm.)	MoT, MoE, CFR, ANPM NGOs (AZ, WWF RO, IENE,...), ANANP
2. Increasing barrier effect of existing linear features caused by structural interventions (maintenance, upgrading without changing the category/class of the infrastructure etc.)	1. Safeguard the permeability of existing transport infrastructure	TRANSPORT, ENVIRONMENT	Motorway comp., National roads adm., County councils, Railway comp., Env. agency. (ANPM, APM) Env. Guard (GNM, GMJ) NGOs PAs (ANANP, adm.)	CNAIR, County Councils (AR, TM, HD, BH?) CFR ANPM, APM (AR, TM, HD, BH?) GNM, GM (AR, TM, HD, BH?) NGOs (AZ, WWF RO, IENE,...), ANANP

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	2. Safeguard the the permeability of main river banks	WATER, ENVIRONMENT	MoE Apele Romane Water management body (ABA), Env. agency. (ANPM, APM) Env. Guard (GNM, GMJ) NGOs PAs (ANANP, adm.)	MoE Apele Romane ABA – Mureş, TM, Criş ANPM, APM (AR, TM, HD, BH?) GNM, GM (AR, TM, HD, BH?) NGOs (AZ, WWF RO, ...), ANANP
	3. Safeguard the longitudinal permeability of main river and of its tributaries	WATER, ENVIRONMENT	MoE Apele Romane Water management body (ABA), Env. agency. (ANPM, APM) Env. Guard (GNM, GMJ) NGOs PAs (ANANP, adm.)	MoE Apele Romane ABA – Mureş, TM, Criş ANPM, APM (AR, TM, HD, BH?) GNM, GM (AR, TM, HD, BH?) NGOs (AZ, FFI, WWF RO, ...), ANANP

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3. <u>Wildlife mortalities</u> associated with linear infrastructures (including electric power lines)	1. Implement an adequate fencing system on motorways/railways, including escape gates	TRANSPORT, ENVIRONMENT,	Motorway comp., Railway comp. Transelectrica Env. agency. (ANPM, APM) Env. Guard (GNM, GMJ) NGOs PAs (ANANP, adm.)	CNAIR CFR Transelectrica, ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) NGOs (AZWWF RO, ...), ANANP
	2. Direct animals towards functional underpasses	TRANSPORT, ENVIRONMENT AGRICULTURE	Motorway comp., Railway comp., Env. agencies, NGOs	CNAIR CFR ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) NGOs (AZ, WWF RO, ...), ANANP
	3. Warning drivers on road-kill / accident-danger areas	TRANSPORT, LAW ENF.	Motorway comp., National roads, County roads, Police NGOs	CNAIR County gov. (AR, TM, HD, BH) Police (motorway, AR, TM, HD, BH)

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				NGOs (AZ, WWF RO, ...)
	4. Warning train conductors on rail-kill / accident-danger areas	TRANSPORT, LAW ENF.	Railway comp., Police NGOs	CFR Police (AR, TM, HD, BH) NGOs (AZ, WWF RO, ...)
	5. Prevent accidents caused by mammals blocked in railway tunnels or on long bridges	TRANSPORT, ENVIRONMENT, LAW ENF.	Railway comp., Env. agencies, Police NGOs	CFR Police (AR, TM, HD, BH) NGOs (AZ, WWF RO, ...)
	6. Increase drivers / conductors visibility on roads / railways	TRANSPORT, POLICE, FOREST, AGRICULTURE	Motorway comp., National roads, Railway comp., County roads, Police	CNAIR County gov. (AR, TM, HD, BH) Land owners/admin. Police (motorway, AR, TM, HD, BH) NGOs (AZ, WWF RO, ...)

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	7. Special measures to avoid birds' mortalities (powerlines, noise barriers)	TRANSPORT, POWER COMP. POWER, ENV.	Power company, Railway comp., Motorway comp. Env. agency NGOS	Transelectrica, CFR CNAIR ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) NGOs (AZ, WWF RO, ...), ANANP
	8. Special measures to avoid bats' mortalities (light)	TRANSPORT, ENV.	Motorway comp. Railway comp., NGOs Env. agency	CFR CNAIR ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) NGOs (AZ, WWF RO, ...), ANANP
	9. Special measures to avoid amphibians & reptiles' mortalities	TRANSPORT, ENV.	Motorway comp., National roads, Railway comp., County roads, Env. agency	CNAIR County gov. (AR, TM, HD, BH) ANPM, APM (AR, TM, HD) GNM, GM (AR, TM,

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				HD) NGOs (AZ, WWF RO, ...), ANANP
	10. Collect and process data to understand incidents/accidents critical sectors	TRANSP, ENV, POLICE, GEN.PUBLIC	Motorway comp., Railway comp., Env. Guard, Env. agency Police, General Public	CNAIR CFR ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) Police (motorway, AR, TM, HD, BH) NGOs (AZ, WWF RO, ...)
	11. Create and/or train specialized teams to deal with wildlife-related incidents on motorways, including emergency interventions I.e. Bears on the motorway/railway tunnels	LAW ENF. ENV.	CNAIR, CFR, Police, Gendarmerie, Env. agency Env. guard. Vets, NGO	CNAIR CFR ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) Police (motorway, AR, TM, HD, BH) Gendarmerie (AR, TM, HD) Vets

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	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	CNAIR, CFR, Police, Gendarmerie, Env. agency Env. guard. Vets, NGO	NGOs (AZ, FFI, WWF RO, ...) CNAIR CFR ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) Police (motorway, AR, TM, HD, BH) Gendarmerie (AR, TM, HD) Vets NGOs (AZ, FFI, WWF RO, ...)
4. Reduced landscape permeability caused by changes in land-use	1.Inforce legislation on changes of land-use towards a less permeable categories	AGRICULTURE, FORESTRY, WATER, ENV, Spatial planning	AGRICULTURE APIA ABA Env. agency Env. guard. Forest guard. ANANP NGOs Spatial planning	AGRICULTURE APIA (Nat, AR, TM, HD) ABA Mures (AR, HD), TM ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD)

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				GF (Nat, AR, TM, HD) ANANP, NGOs (AZ, FFI, WWF RO, ...) Spatial planning AR, TM, HD
	2.Facilitate / support changes of land-use toward high permeable categories le through agricultural payments	AGRICULTURE, FORESTRY, WATER, ENV., EC – subsidy programme	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs, CE	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs (WWF, AZ), CE
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, Spatial planning	MoA, MoE, MoF, APIA, ANANP, NGOs, CE Local administrations	
	2.Develop guidelines and impose	AGRICULTURE,	MoA,	MoA,

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	fencing-related conditions linked with agriculture / forestry subsidies or programmes	FORESTRY, ENV., EC – subsidy programme	MoE, MoF, APIA, ANANP, NGOs, CE	MoE, MoF, APIA, ANANP, NGOs (WWF, AZ), CE
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, WATER, EC – subsidy programme	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs, CE	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs (WWF, AZ), CE
	2.Support adequate management of natural features / marginal habitats	AGRICULTURE, FORESTRY, ENV, WATER EC – subsidy programme	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs, CE	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs (WWF, AZ), CE

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	3.Support and promote development of good-practice examples of connectivity-sensible agriculture, water management and forestry practices	AGRICULTURE, FORESTRY, ENV, WATER EC – subsidy programme	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs, CE	MoA, MoE, MoF, MoW APIA, ABA, ANANP, NGOs (WWF, AZ), CE
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, WATER, ENV,	Agriculture? CNAIR, CFR, Nat/County roads, Forestry Guards, Env guards, Env agencies, ABA NGOs ANANP	AGRICULTURE? APIA? (Nat, AR, TM, HD) CNAIR, CFR, ABA Mures (AR, HD), TM ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) GF (Nat, AR, TM, HD) ANANP, NGOs (AZ, FFI, WWF RO, ...)

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	2.Prevent/inforce legislation on fire	TRANSPORT, AGRICULTURE, FORESTRY, ENV,	CNAIR, CFR, Nat/County roads, Forestry Guards, Env guards, Env agencies, ABA NGOs ANANP	APIA (Nat, AR, TM, HD) CNAIR, CFR, ABA Mures (AR, HD), TM ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD) GF (Nat, AR, TM, HD) ANANP, NGOs (AZ, FFI, WWF RO, ...)
	3.Prevent alteration of water bodies, restore hydric system and support renaturation of wetlands	WATER, AGRICULTURE, FORESTRY, TRANSPORT, ENV,	CNAIR, CFR, Nat/County roads, Forestry Guards, Env guards, Env agencies, ABA NGOs ANANP	APIA (Nat, AR, TM, HD) CNAIR, CFR, ABA Mures (AR, HD), TM ANPM, APM (AR, TM, HD) GNM, GM (AR, TM, HD)

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				HD) GF (Nat, AR, TM, HD) ANANP, NGOs (AZ, FFI, WWF RO, ...)
5d. Reduced landscape permeability caused by <u>land management</u> – mineral extraction	1.Develop coherent management plans and apply EIA/AA procedures	TRANSPORT, DEVELOP., MINERAL RES., WATER, WASTE MANAG., ENV,	RES MIN, CNAIR, CFR, Nat/County roads, Env guards, Env agencies, ABA NGOs ANANP	
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, Env.guards ANANP NGOs	
	2.Facilitate data-collection on key-species	HUNTING, ENV Citizens	Hunting associations, Ministries, Env. agencies, ANANP	

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			NGOs Public	
	3. Harmonize game management with Natura 2000 and connectivity-related objectives	HUNTING, ENV FORESTRY, AGRICULTURE, LOCAL STRATEGIES	Hunting associations, MoE, MoF, Local communities, Env. agencies, ANANP NGOs Public	
	4. Poaching prevention and control	HUNTING, LAW ENF. ENV	Hunting associations, Police, Gendarmeries, Env. guards, Forestry Gurads, ANANAP, 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	

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	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, EC	MoA, MoE, Local communities, ANANP, NGOs, EC	
	5. Regulate other anthropogenic activities which could increase the level of conflicts (waste management, unsustainable development & tourism activities etc.)	ENV, DEVELOP. TOURISM	Hunting associations, Env. agencies, Env. guards, Local admin., Local communities, ANANP, NGOs	

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	6. Facilitate rapid intervention in special situation related with wild animals	GENDARMERIE, HUNTING, ENV, AGRICULTURE,	Hunting associations, MoE, MoF, MoA, Env. agencies, Env. guards, Local communities, ANANP, VETS, NGOs	
7. <u>Lack of coherent monitoring and adaptation</u>	1. Facilitate an integrated monitoring programme – procedures, database, indicators, assessment	ENV, TRANSPORT, HUNTING, AGRI. FOREST? EC – EU subsidies? LAW ENF. GENERAL PUBLIC	MoE, MoF, MoA, Env. agencies, Env. guards, Hunting associations, CNAIR, CFR, Police, Gendarmerie, ANANP, VETS, NGOs, General public	Addressed by WPT

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8. Reduced support from stakeholders at landscape level for an integrated ecosystemic approach	1. Facilitate networking and develop a common platform and database	ALL	Initiate – Savegreen!	CCIBIS, GreenWeb,IENE
	2. Facilitate information, awareness, education, communication	ALL	Initiate – Savegreen!	
	3. Support research and studies; inter-sectoral capacity building and facilitate development of new professional opportunities (mainstream biodiversity to other sectors)	ALL + UNIVERSITIES	Initiate – Savegreen! UNIV Bucharest, Cluj, Brasov, Iasi, Tg. Mures, Arad, Timisoara	
	4. Facilitate the development a regional identity and promote the area – nature, culture, services (connectivity as one of the themes)	Local admin. Env, Tourism	CJ, Communes, GALS, NGOs, ANANP	
	5. Facilitate the development & alignment of local strategies into regional sectoral strategy (connectivity as one of the themes)	Local admin. Env, Tourism	CJ, Communes, GALS, NGOs, ANANP	

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	6.Facilitate / support initiatives (connectivity as one of the themes)	Local admin. Env, Tourism	CJ, Communes, GALS, NGOs, ANANP	