



MINISTERUL MEDIULUI,
APELOR ȘI PĂDURILOR



ANANP
Agenția Națională pentru Arii Naturale Protejate

Setting site-specific conservation objectives

Case study: Sibiu-Pitești Motorway

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National Agency for Natural Protected Areas (ANANP)



The National Agency for Natural Protected Areas (ANANP) was established in 2016 under Law No. 95/2016 and functions according to Government Decision No. 997/2016.

The purpose of ANANP is the unitary and efficient administration of the protected natural areas and the conservation of the natural habitats, of the wild flora and fauna, regulated by the provisions of the Government Emergency Ordinance no. 57/2007.

The National Agency for Natural Protected Areas (ANANP) is a permanent member of the Technical Analysis Commission / Specially Formed Committee established within the Agency for Environmental Protection and issues viewpoints and permits for the implementation of plans, projects and activities carried out in protected natural areas.

ANANP manages 1223 protected natural areas, as follows:

- ↯ 5 Natural Park
 - ↯ 492 Natural Reservations
 - ↯ 14 Scientific Reservations
 - ↯ 162 Monuments of nature
 - ↯ 404 Sites of Community Importance
 - ↯ 146 Special Protected Areas
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- ↯ The National Agency for Natural Protected Areas (ANANP) will develop management plans for all the natural areas that do not have a management plan over the course of approximately 5 years.

Case study: Sibiu-Pitești Motorway



Sibiu-Pitești Motorway has a potential impact on the species and habitats of 9 Natura 2000 sites, all having **management plans approved** by Ministerial Order:

No. 1156/2016



ROSCI0122 Făgăraș
Mountains and
ROSPA0098 Făgăraș
Piedmont

No. 1060/2016



Cozia National Park
and ROSCI0046 Cozia
and ROSPA0025 Cozia-
Buila-Vânturarița

No. 1158/2016



ROSCI0085 Frumoasa
and ROSPA0043
Frumoasa

No. 1183/2016



ROSPA0062 Lacurile
de acumulare Argeș

No. 1166/2016



ROSCI0132 Oltul
Mijlociu-Cibin-
Hârtibaciu and
ROSCI0303 Hârtibaciu
South-East

Support materials for the elaboration of specific conservation objectives



The establishment of the methodology for specific conservation objectives has been carried out in close connection with DG Environment, in this way we would like to express many thanks to them.

A minimum period of 4 years is required for the elaboration of the management plan, of which:

- ↻ 2 years for species and habitat inventory;*
- ↻ 1 year for the assessment of the conservation status of species and habitats;*
- ↻ 6 months for the development of databases and maps with mapping and inventory of species and habitats;*
- ↻ 6 months to prepare the management plan*

For Natura 2000 Sites with management plan:

- Inventory studies of species and habitats;
- Studies to assess the conservation status of species and habitats;
- Maps with the distribution of species and habitats at site level;
- Databases with information about the species and habitats from the 9 nature 2000 sites;
- Orthophotos and satellite images;
- Species ecology sheet;
- Different studies available on the respective protected natural areas;

In order to better understand the methodology for setting the specific conservation objectives, the following sources of information were used for protected natural areas that do not have a management plan:

- Standard Data Form and designation studies of the protected natural areas;
- Orthophotos and satellite images;
- National and international databases on species and habitats;
- The results of various studies in those areas (for example: Results of Life project, Results of national project, research of various experts);
- Reporting under Article 17 of the Habitats Directive 92/43 / EEC;
- Reporting under Article 12 of the Birds Directive 2009/147 / EC;
- Different studies available on the respective protected natural areas;
- Species ecology sheet

The structure of the specific conservation objectives

Exemples of ROSCI0122 Făgăraș Mountain - habitat

3220 Alpine rivers and the herbaceous vegetation along their banks

The surface of this habitat in ROSCI0122 is 1,5-2 ha and its conservation status is **unfavorable-inadequate** (conservation status from the point of view of surface unknown, structure and function favorable, perspectives unfavorable-inadequate). The site-specific conservation objective for this habitat is set to **improve its conservation status**, as defined by the following parameters and target values:

Parameter	Unit of measurement	Target value	Additional information
Surface area / size of the habitat	ha	At least 10	The estimated size of this habitat is only 1,5-2 ha. It is found from the upper mountain level to the alpine one. No reference value is provided in the management plan/baseline studies on the size of this habitat for the favorable conservation status. The surface area of this habitat should be increased from current 1,5-2 ha to at least 10 ha by reducing grazing pressure. It should be clarified within the earliest possible period whether a larger increase is feasible for this habitat.
Presence and abundance of characteristic species	Percent cover / 25 m ²	At least 35%	<i>Saxifraga stellaris</i> , <i>S. heucherifolia</i> , <i>Chrysosplenium alpinum</i> , <i>C. alternifolium</i> , <i>Caltha laeta</i> , <i>Philonotis seriata</i> , <i>Cardamine opizii</i> , <i>Juncus triglumis</i> , <i>Doronicum carpaticum</i> , <i>Cratoneuron commutatum</i> .
Surface area of uncovered soil	Percent cover / 25 m ²	Less than 40%	This parameter is related to disturbance by overgrazing / trampling.
Abundance of invasive / ruderal / nitrofilous species	Percent cover / 25 m ²	Less than 5%	This parameter is related to disturbance by overgrazing / fertilization. <i>Rumex alpinus</i> , <i>Veratrum album</i> , <i>Urtica dioica</i> .
Species richness	Number of species / 25 m ²	At least 5 species	Baseline study on non-forest habitats for the management plan, 5-15 species
Vegetation height in June-August	cm	At least 12	Baseline study on non-forest habitats for the management plan. Mean vegetation height is 12-15 cm. This parameter is an indicator of overgrazing/trampling.
Shrub cover	%	Less than 1%	Baseline study on non-forest habitats for the management plan.

Definition of the specific conservation objectives:

- Surface of the habitat (for example 1,5-2 ha);
- The conservation status (favorable, unfavorable-inadequate, unfavorable-bad; in case the conservation status is unfavorable-inadequate or unfavorable-bad it must be specified from which point of view);
- Setting the site-specific conservation objective: if the conservation status is favorable – the site-specific conservation objective is to **maintain its conservation status** if the conservation status is unfavorable-inadequate, unfavorable-bad – the site-specific conservation objective is to **improve its conservation status**



Parameter	Unit of measurement	Target value	Additional information
Surface area / size of the habitat	ha	At least 10	The estimated size of this habitat is only 1,5-2 ha. It is found from the upper mountain level to the alpine one. No reference value is provided in the management plan/baseline studies on the size of this habitat for the favorable conservation status. The surface area of this habitat should be increased from current 1,5-2 ha to at least 10 ha by reducing grazing pressure. It should be clarified within the earliest possible period whether a larger increase is feasible for this habitat.
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Abundance of invasive / ruderal / nitrofilous species	Percent cover / 25 m ²	Less than 5%	This parameter is related to disturbance by overgrazing / fertilization. <i>Rumex alpinus</i> , <i>Veratrum album</i> , <i>Urtica dioica</i> .
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Shrub cover	%	Less than 1%	Baseline study on non-forest habitats for the management plan.



Definition of the parameters:
Parameter-Unit of measurement-Target value-
Additional information

Examples:

Parameter: Surface area/size of the habitat, Presence and abundance of characteristic species, Surface area of uncovered soil, Abundance of invasive/ruderal/nitrofilous species, Species richness

Unit of measurement: must be characteristic for each parameter

Target value: must be characteristic for each parameter and characteristic for each Natura 2000 sites

Additional information: any available information about the value of the parameter

Exemples of ROSCI0122 Făgăraș Mountain - species

1089 *Morimus funereus*

Its conservation status is assessed as **unfavorable-inadequate** (population unfavorable-inadequate, habitat unfavorable-inadequate, perspectives favorable). The site-specific conservation objective for this species is set to **improve its conservation status**, as defined by the following parameters and target values:

Parameter	Unit of measurement	Target value	Additional information
Population size	individuals / population size class	10.000 -50.000 / class 7	Baseline study provides size classes for invertebrates. For <i>Morimus funereus</i> size class 6 is given in the baseline study as the current value, that corresponds to 5.000-10.000 individuals. Reference value for favorable status is 10.000-50.000 individuals, population size class 7. Target is to increase population size class from 6 to 7 on the long term.
Population density	Number of individuals / 500 m transects	To be defined within 1 year	No baseline data are available. Should be completed within 1 year. Transect length according to Campanaro et al (2016).
Habitat size	ha	Around 68.800 To be achieved gradually	The species habitat overlaps partially with deciduous and mixed forests composed of beech, oak and silver fir <i>Abies alba</i> . Current distribution is estimated to 13.765 ha. Potential habitat and reference value for the species is estimated to 68.823 ha according to baseline study.
Amount of standing deadwood in deciduous and mixed forests	Number/ha	At least 3	In deciduous and mixed forests 3-5 standing deadwood will be left, according to management plan. În arboretele de foioase și de amestec se vor menține 3-5 escari /ha.
Deadwood (whole trunks) on the ground in deciduous and mixed forests	Number/ha	At least 3	In deciduous and mixed forests 3-5 pieces of deadwood (whole trunks) will be left, according to management plan. În arboretele de foioase și de amestec se vor menține 3-5 arbori doborâți și aflați în contact cu solul la ha.
At final cut in deciduous or mixed forests, number of 5-7 mature/old trees over 80 y old left standing Insule de îmbătrânire	Number/ha	At least 5	At the final cuts in the habitats of deciduous and mixed forests will 5-7 mature trees, with a minimum age of 80 years / ha will be left, according to management plan.



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Formalize of specific conservation objectives

The specific conservation objectives are approved by the Decision of the president of the National Agency for Protected Natural Areas for the protected natural areas that have a management plan or by Note of the Minister of Environment, Waters and Forests for the 2000 sites that do not have a management plan

Thank you for your
attention !

More Information

For info or further questions on this seminar and the activities of the JASPERS Networking Platform, please contact the JASPERS Networking and Competence Centre at the following email:

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JASPERS Networking Platform:

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