Action plan for a new regulatory framework and permit route in the protected areas, focusing on the Nature park "Velebit" protected areas

[IMFBE-RP 3/1-D]

Project partner:
Javna ustanova "Park prirode Velebit"
Kaniža Gospićka 4b, 53 000 Gospić
Project:
Interreg Mediterranian
FORBIOENERGY - Forest Bioenergy in the
Protected Mediterranean Areas

Consultant: Forest green d.o.o. Žegar i/26, 47 300 Ogulin Procurement code: IMFBE – RP 3/1; PO T 3.6

Table of Contents

1.	Introduction	1
2.	Objectives	4
3.	SWOT analysis	9
4.	Impact and Responsibilities	. 11
5.	Proposed new regulatory framework and permits in protected areas (Nature Park "Velebit")	. 12
6.	Reference	. 18

1. Introduction

As stated in the previously drafted document of the project FORBIOENERGY - Forest Bioenergy in the Protected Mediterranean Areas, "Baseline review/Situational analysis of production / biomass potential of Lika-Senj County - focusing on the Nature park "Velebit" protected areas (PO T 3.2) the Lika-Senj County is a space that includes a large percentage of protected areas. This is the teritory of karst and with large forest areas.

Most of the forests in the Lika-Senj County are owned by the Republic of Croatia and are managed by the state-owned company Hrvatske šume d.o.o. (Croatian Forests L.t.d) through its two subsidiaries, the Management Administrations Senj and Gospić (Senj branch and the Gospić branch office). Hrvatske šume d.o.o., which implement a forest management plans (for every 10 years), are the main actors of nature protection and are the main supplier of raw materials for the wood processing industry, supply of fuel to the firewood and are, at the most recent, the main supplier of biomass-built cogeneration and pellet factories. Very small part of the forest is owned by private forest owners (4,192 ha, 3.79% of private forests in the Nature Park "Velebit").

The private forests are mostly enclaves and semi-enclaves within the state forests or are located at the edge of the settlement. Part of the area is abandoned meadows that are slowly transformed into forests. Much of these forests have been degraded and do not undertake the necessary cultivation measures.

In terms of wood usage, private forest owners are, in most cases, not market-oriented and use wood mainly for the production of firewood for personal use. Private forests are characterized by lower productivity and fragmentation.

In the area of Nature Park "Velebit" (hereafter: NP Velebit), the situation is the same for the majority of forests outside the National Parks, which are the state forests managed by the Hrvatske šume d.o.o., through its Management Administrations in Senj and Gospić (branches). In the area of NP Velebit, the most valuable forests, from the economic standpoint, are predominantly in the area managed by the Forest Administration Senj, and the openness of these forests is the largest (under the open forest it is meant the construction of forest roads that allow for access to forests for the implementation of cultivation measures, fire protection and exploitation).

The construction of the cogeneration and the pellet plant increased interest in the use of biomass as a raw material in the production of electrical and thermal energy and pellet production. Demand for biomass is steadily increasing. This led to the fact that already (March 2018), although most of the planned power generation plants were not built and put into operation, the market felt a lack of raw material. This disadvantage is felt most by the locals and small businesses involved in the production of firewood. This extreme shortage has also been caused by the ever-increasing export of pellets and firewood, which in 2018 threatened to supply local markets (data obtained by interviews with consumers and SMEs in the County). In the local market, there is a shortage of pellets and a shortage of fuel wood. Main supplier - Hrvatske šume d.o.o. do not deliver pre-contracted annual quantities for small companies which are producing firewood for



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

the local market, , consequentlyh causing earthquakes in their regular business (lower incomes, reduced liquidity, layoffs and reduced capacity for investments in modernization of production).

The lack of biomass in the market, consequently, leads to a rise in the price of biomass and the price of fuel wood and pellets. There is also an increase in uncontrolled harvesting of forests in private forests, but also in the part of state forests. The lack of biomass, if continued, will endanger the operations of existing cogeneration and pellet factories.

This is significantly contributed to the unexplored but present influence of climate change as well as the problems with the workforce in forestry.

Climate change has its immediate effect in changing microclimate. Observing and monitoring the data of the National Hydrometeorological Institute (Državni Hidrometeologološki Zavod) may be noted that, in the Lika-Senj County and also in the NP Velebit, during the winter period, temperatures are higher than normal, less snow and more rainy days, also, winds are stronger than in previous period. Also the summer period occurs after a very short spring with higher temperatures, less precipitation and more or less pronounced droughts. All this leads to an increased risk of natural disasters, floods, droughts and forest fires.

Regarding the workforce in forestry. Part of the workforce employed in forestry, first of all - loggerheads, has been able to make better profits in EU countries, therefore, Hrvatske šume d.o.o. have to change their salary policy (or overcome the lack of labor force from other countries) if they want to keep workers in production or exploitation of forests and forestry works.

So far, the projected tasks have not specifically considered the existence of mine suspected areas in the forest areas, with the previous line of demarcation with the former Occupied Territory of the Republic of Croatia (as a result of the Homeland War 1991.-1995). Most of these areas are forests, whose surfaces are decomposed from the EAFRD through the implementation of Rural Development Programme (hereinafter: RDP) Croatia 2014-2020. (Measure 5, type of operation 5.2.2 "Demining of agricultural land"). At 1st of January 2014. the total surface area of mine suspected areas was 613.6 km² (PSI-2), extending across the territory of 91 units of local self-government in 12 counties in Croatia. The structure of mine-contaminated land (incl. explosive devices and unexploded ordnance) consists mainly of forest and forest land (81%), and the remaining 19% (11,000 ha) is agricultural land.

Within agricultural areas, 55% make arable areas, while the rest are meadows and pastures. According to the size of the mine suspected area, Lika-Senj County is the most polluted, and according to the total number of mines recorded is the second (behind Vukovar-Srijem County) with 16,103 registered mines. According to the data of the Croatian De-mining Center (hereinafter: HCR) in the Lika-Senj County, at the end of 2017, there were 138.6 km² of mine suspected areas (up to 30% of total mine suspected areas in the Republic of Croatia).



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

Therefore, in order to stabilize the existing situation, it is necessary to increase existing biomass production capacities.

This is possible by simultaneous action in three directions:

- 1. Enhance the management of private forests. Improving private forest management is a long-term process that is delayed for more than 10 years. The result of this delay is the fact that, although there are funds provided under the RDP of the Republic of Croatia for the period 2014-2020, the absorption power of the private forest owners in the Lika-Senj County is extremely low. Improving the management of private forests would ultimately contribute to increasing local population income, but would also contribute to greater private forest productivity, reduce fire risk and increase local biomass supply, due to the implementation of forest cultivation measures..
- 2. **Increasing the openness of state-owned forests.** The only way to increase biomass production quality and long term, and to meet market demand is the opening of existing economic forests, above all those managed by the Forest Administration Gospić. This applies equally to the state-owned commercial forests located in the area of NP Velebit as well as in other areas of the County.
 - Though, the opening of the forest must be carefully considered and planned, in cooperation between key development stakeholders (at least the Public Institution "Nature Park Velebit", Hrvatske šume d.o.o. and Private Woodprocessing Associations) to simultaneously increase the availability of protected nature areas in the NATURA 2000 network. The existing human capacities of the Public Institution "Nature Park Velebit" can not provide quality and continuous monitoring. Public Institution "Nature Park Velebit" (in cooperation with Hrvatske šume d.o.o.), due to the size of the Velebit Nature Park, needs to find opportunities and funds for fixed and mobile video surveillance (drones) in the near future, at least on access roads and key areas of valuable natural heritage as well as across the entire territory (forests cover 110,494 ha in the NP "Velebit", economic forests comprise 81.017 ha and are the the most important economic resources of the Park).
- 3. Increasing the safety of people and property, with the preservation of biodiversity in forest areas by demining of mine contaminated areas or mine-suspected areas (hereinafter: MSA areas)
 - During this and the next programming period (2021.-2027.), it is necessary to provide funds for the demining of mine-suspected areas in the forests due to increased human security, but also due to the increase of economic activities and the protection of biodiversity.



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

2. Objectives

The key message (vision) is: To enable sustainable production of biomass in the area of "Velebit Nature Park", which should contribute to increasing economic activities in the Park and increasing the incomes of the local population.

General Objective:

Sustainably increase biomass production in the area of NP Velebit and Lika-Senj County.

Specific Objectives:

- 1. Increase the openness of economic state-owned forests managed by Hrvatske sume d.o.o. in the area of NP Velebit and Lika-Senj County.
- 2. Enhance the management of private forests in NP Velebit and Lika Senj County.
- 3. Increase the security of people and property, with the preservation of biodiversity in the forest areas of NP Velebit and Lika-Senj County.

Strategic goals must be defined according to SMART principles, namely: Specific, Measurable, Achievable, Relative and Realistic and Timed Defined or Real Time Frame, short-term (up to 1 year), middle-aged (2-5 years) and long-term (over 5 years) (Time-bounded).

Sustainable increase in biomass production in the Nature Park "Velebit" was imposed as a necessity for approving the construction of several cogeneration plants and pellet factories. At the same time, it is obvious that the openness of state-owned forests decreases in the direction of the north to the south. For each economic unit, a forest management plan is made (with a deadline of 10 years). Investments in the construction of forest roads for years have not been implemented in accordance with the adopted forest management principles, since, up to the promotion of the use of renewable energy sources (including biomass), the supply was higher than demand.

For the purpose of achieving the general objective, three specific objectives have been defined. It is necessary to define a series of activities whose realization will contribute to the realization of specific goals. This process will benefit SMART access.



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

Guide, ie, instructions for the implementation of project activities 3.6.1 Action plan for a new regulatory framework and permit route in the protected areas, was prepared by the responsible project partner: Association of Forest Communes of the Comunitat Valenciana (AMUFOR); the task of this sub-chapter is to answer a few questions:

- For what and when does the Action Plan implement?
- What is expected to be achieved in the short-medium and long term?
- What is the expected effect?
- What is the expected impact? The impact is traduced in results.

(SO - Specific Objective 1) Increasing the openness of state-owned forests, given the built capacities and those at different stages of realization, is rapidly becoming a fundamental development priority. If this problem is not accessed in a good manner it is possible to expect a deepening of the crisis in the biomass demand market.

Therefore, it is necessary to make a study of the justification for the opening of state-owned forests in the area of NP "Velebit" (as well as for other, important forests of the Lika-Senj County). These studies would determine the dynamics of forest opening on economic units by first opening forest in those economic units that will justify the construction costs in a shorter period of time and allow the exploitation of larger quantities of biomass. At the same time, the construction of new forest roads increases the accessibility of forests for cultivation measures as well as reducing the risk of forest fires (as the greatest threat to forest communities, habitats and biodiversity reduction). Hrvatske šume d.o.o. can implement all planned activities for achieving results (in the implementation of Specific Objective 1), through the competent Forestry Offices. The founder of the study should be Hrvatske šume d.o.o. in direct cooperation with the Public Institution "Nature Park Velebit". Studies should also be developed in consultation with local development stakeholders, forest owners and entrepreneurs - woodworking.

(SO - Specific Objective 2) To improve the management of private forests, there are many predispositions which, ten years ago or 15 years ago, there was no National Forestry Policy and Strategy.

Today, within the National Advisory Service, technical assistance to forest owners has been established, new rural development actors are also accredited LAGs (except local self-government units of the County). There are specific resources for improving forestry, not only from national sources such as the Forestry Fund, but also the European funds available through the RDP Croatia 2014-2020. (EAFRD).

This Action Plan can be implemented in the form of a Program for Improving the Management of Private Forests (hereinafter: Program) at the level of the Public Institution "Nature Park Velebit" and / or the County, with several different activity bearers and sources of funding. Benefits from the realization of the program would be, first of all, owners of private forests and the local biomass market. The NP Velebit would have a direct benefit because it would increase the traditional



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

economic activity within the protected area. Increasing economic activity would contribute to reducing the depopulation trends and further economic erosion of the County area (one of the most underdeveloped in the Republic of Croatia).

(SO - Specific Objective 3) Increasing the security of people and property, with the preservation of biodiversity in forest areas by demining mined areas or mine-suspected areas is the basic developmental imperative of the NP Velebit and Lika-Senj County. The problem is recognized at the national and international level. The demining process has been going on for years (up to date, the County has spent 134 million HRK (EUR 17.9 million).

On April 5th, 2018., the Lika-Senj County signed with HCR a new demining agreement of 90 million HRK (EUR 12 million) that plans to demine another 26 km² (90% of forest and 10% of agricultural land, all in the NP Velebit), which is extremely important for the safety of the people and visitors of the area as well as the development of agriculture and forestry.



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

Table 1. Detecting activities according to SMART approach, according to specific goals

Objective	Description	Expected Result	Possibility of implementation	Relevance	Time frame/years
Increasing the openness of state-owned forests (SO 1)	In order to implement forest management units, forest openness needs to be improved, thereby increasing the implementation of forest-growing measures, reducing fire risk, illegal, uncontrolled felling, and increasing biomass production	A study on the opening of forest roads, which will determine the construction priorities according to established parameters (protective and economic); Built and equipped new forest roads; Improvement of the monitoring system for the protection and sustainable use of forests; Increasing visitor and tourist use of forests and forest areas	For the implementation of this measure it is necessary to: Provide support from the Ministry of Agriculture and the Managing Board of Hrvatske šume d.o.o. in order to allow increased funding from the general forest functions fund; Provide support from the Ministry of Environmental Protection and Energy in developing a surveillance system for protected areas	Forest-based foundations of a single economic unit; Nature Park "Velebit" Management Plan	15
Enhance the management of private forests (SO 2)	A number of activities provide support to forest owners in creating conditions for improving private forest management	Establish Associations of Private Forest Owners; Make private forest cadastre; Inform them about the possibilities financing of breeding measures; Develop appropriate forest management principles	These activities can be carried out in cooperation with the Advisory Service, LAGs in the County, and other stakeholders in rural development	RDP Croatia 2014-2020. National Forestry Policy and Strategy, Objective: To encourage the consolidation of private forest holdings and the establishment of private forest owner associations	15
Increasing the safety of people and property, preserving	Provide technical and financial preconditions for demining mine suspected forest areas in this and subsequent programming period	Include demining of mine suspected areas under forests and forest land in RDP for the next programming period; Provide the other necessary capacities	For the implementation of this activity it is necessary to provide resources for the demining of forests in the territory of the	RDP Croatia 20142020.; Croatian De-mining Centre	10



Žegar I/26, 47300 Ogulin, mob: 091 153 18 39, forest.green@net.hr,

biodiversity in	for demining (preliminary demining	Republic of Croatia during this	
forest areas	projects, human capacity and	and the next programming period	
(SO 3)	equipment)		

3. SWOT analysis

Based on the studies / analyzes that have been developed so far in the project FORBIOENERGY - Forest Bioenergy in the Protected Mediterranean Areas, by the Public Institution Nature Park "Velebit" as a project partner, this SWOT analysis of biomass production in the area of PP Velebit can be completely transferred in the entire Lika-Senj County.

STRENGTHS	WEAKNESSES
 Established state-owned forest management system in the County and Nature Park "Velebit"; Large production potential in the area of NP Velebit and the County Biomass market demand at the local level; Possibility of export of finished products and the possibility of buying energy at subsidized prices; Rural Development Program of the Republic of Croatia for the period 2014-2020 contains measures to improve forestry; Available Funds for Forest General Purpose for Carrying Forest Works in forests on karst 	 Biomass demand tendency is higher than the capacity or existing production capacity; Insufficient openness of commercial (economic) forests leads to less biomass production; Illegal forest harvesting indirectly endangers the biodiversity of protected areas; Private forests are shriveled and lower productivity than state-owned forests; Private forest owners are unorganized; All private forests do not have a forest management plan; Big demand for biomass increases the risk of uncontrolled (illegal) harvesting in private and state forests I

OPPORTUNITIES	THREATS
 Usage of RDP Croatia measure for forestry development (benefitiaries: SME, private forest owners, Hrvatske šume d.o.o.); Available Funds for Forest General Purpose for forest roads; Using other European sources of funding for sustainable development projects and circular economics 	 Natural disasters as a result of climate change can cause damage to forests; Insufficient national level support and regulatory framework for the implementation of quality and continual monitoring of the use of forest resources and protected areas; Illegal forest harvesting indirectly endangers the biodiversity of protected areas; Increased demand can negatively affect biodiversity in protected areas; Better wages in forestry in other EU countries are the cause of leaving the workforce; Disproportion to decision making, adoption and implementation of strategic business decisions in forestry; Monopolistic position of Hrvatske šume d.o.o.





 d.o.o. in the biomass market; The existence of mine-suspected areas, especially in the south-eastern part of NP
Velebit, and in the different areas of the County (the so-called former borderline with occupied territories)

4. Impact and Responsibilities

Guide, ie, instructions for the implementation of project activities 3.6.1 Action plan for a new regulatory framework and permit route in the protected areas, prepared by the responsible project partner: Association of Forest Communes of the Comunitat Valenciana (AMUFOR), the task of this sub-chapter is to answer a few questions:

- Whom is the Action Plan addressed?
- Who is the responsible to implement it?

In consultations with individual engineers in Hrvatske šume d.o.o. information was gained that, so far, the forest road management was left to decisions that were not economically based. The construction of forest roads depended on the demand for biomass, which has become current and secured funds for their construction only in the last ten years, which, in the karst area, is largely financed by the general forest function fund.

There is no systematic approach to the construction of forest roads in the areas managed by Hrvatske šume d.o.o.

Based by the previously drafted document of the project FORBIOENERGY - Forest Bioenergy in the Protected Mediterranean Areas, "Baseline review/Situational analysis of production / biomass potential of Lika-Senj County - focusing on the Nature park "Velebit" protected areas (PO T 3.2) it is clear that after the first attempts to organize private forest owners, which failed, any further directed action towards improving their productivity was halted. This is partly due to the lack of interest of forest owners themselves.

Lack of funds to finance activities to improve private forest management and the fact that the results in improving private forest management can only be expected after a long period of years have been the most important factors that led to the present situation that, in addition to available resources and increased demand for biomass, the situation in private forests in the area of NP Velebit and Lika-Senj County does not improve.

For both barriers detected here, there are no pilot projects that could be examples of good practice (case studies) on which further activities could be planned.

However, the detected lack of biomass supply that will, in the next five-year period, require immediate access to solving or reducing these barriers. This will save existing investments in biomass plants in the County, as well as open jobs, and will continue the already started economic activity.

5. Proposed new regulatory framework and permits in protected areas (Nature Park "Velebit")

	/ Specific objective (SO)/	Why?	Solutions	How to tackle the barrier. To include the title of the action	With who? Definition of the main stakeholders
B1/ SO 1	Insufficiently open state- owned forests in the area of NP Velebit and the whole Lika-Senj County	In the previous period, the production of biomass was higher than the demand for cogeneration and pellet factories. Part of the forest is a mine suspected area. Lack of financial resources, lack of awareness by Hrvatske sume d.o.o. and at state level.	It is necessary to make 2 studies of the opening of state-owned forests for the area of the min. Forest Administration Gospić (for a protected area and non-protected area), which will assess the costs and directions of opening, dynamics, sources of funding and future revenues resulting from the increased opening of state economic forests. After the preparation and adoption of these studies, it is necessary to approach reinforced forest roads, based on the priorities defined by the Study.	In order to overcome this obstacle it is necessary to present the existing supply and demand situation for biomass Hrvatske šume d.o.o. (Managing Board) independent of the middle management who manages regional affiliates. The situation was reached by the data collection method presented in 3.2 Basic analysis It would also be necessary to present the result of this research to the Association of pellet producers, briquettes and wood biomass CROBIOM, because investments of some of their members are jeopardized due to possible lack of raw material (biomass) in the earliest future.	The main stakeholders in this process should be representatives of cogeneration and pellet factories and small companies producing firewood (individually or through the umbrella organization), Managing Borad of Hrvatske šume d.o.o.,, representatives of the Croatian Chamber of Commerce, representatives of the Ministry of Agriculture and representatives of protected areas in Lika-Senj County. These stakeholders represent both interested parties (the supply and demand market), while representatives of public institutions managing the protected areas also play a role due to the potential consequences of open forest without specific estimates of well-being and risk (fire hazard, uncontrolled and illegal logging, uncontrolled visits and similar.).
B2/ SO2	Inadequate and poor management of private forests in the area of NP Velebit	Because of the abandonment of villages and inadequate traditional practices of private forests, they are neglected, poorly productive and fragmented, and forest owners are unorganized and poorly educated and team-mated to carry out breeding works.	It is necessary to create a Private Forest Management Program in the area of NP Velebit and / or the Lika-Senj County because the problem is similar and for small areas it would be desirable to merge all measures under one Program (although in the following table are devided in two subsections). The Program should specify the	A3/A4/A5 It is necessary to carry out an assessment of the needs and to familiarize it with its results to all the defined stakeholders. Also, the situation with private forests is to be presented as part of the solution to the problem of the lack of raw material (biomass) used as raw material by cogeneration, pellet factories and fuel wood producers.	It is necessary to present the idea / draft of the Program to rural administrative organizations involved in rural areas development (LSU, County, LAGs, Advisory Service, Public Institutions for Nature Protection), forest owners, hunters associations and representatives of tourist communities; in targeted discussions, on several workshops, it is difficult to discuss specific and general issues relevant to all multisectoral stakeholders. It would be optimal for the Program to be adopted at the level of the Lika-Senj County (County

			main measures for the individual measures, deadlines and sources of funding.		Assembly / Council) and the Managing Board of the Public Institution "Nature Park Velebit". Potrebno je predstaviti ideju/nacrt Programa administrativnim organizacijama koje se bave ruralnim razvojem (JLS, Županija, LAG-ovi, Savjetodavna služba, Javne ustanove za zaštitu prirode) te šumoposjednici, ovlaštenici prava lova, te predstavnici turističkih zajednica; u ciljanim I zajendičkim raspravama, na više održanih radionica, teba se raspraviti specifična i opća pitanja važna za sve multisektorske dionike. Optimalno bi bilo da se navedeni Program usvoji na razini Ličko-senjske županije
B3/ SO3	Endangering the safety of people and property and biodiversity for the mine-suspected areas of forests	Mines and explosive devices are the result of warfare in forest areas. The area of NP Velebit was an area of intense war activities and the former line of demarcation with the Occupied Territory. Demining will enable access to the forests that are now being managed and will increase economic activity and reduce the dangers for human lives, property and biodiversity (there are also major fire hazards).	Demining of mine suspected areas (forests and forest land)	A6 Provide demining funds through RDP 2014-2020. (EAFRD) for the next programming period. Provide the necessary technical documentation (demining plans), human resources and equipment.	(Županijska skupština/Vijeće) i Upravnog vijeća JU PPV. The main stakeholders are the Ministry of Agriculture and the Croatian De-mining Center (HCR), which will jointly design this measure during this and the next programming period (2021-2027).

Barrier/ Objective/ Specific barrier	Action To include only the code of the	e To include the	Specific action lines: required modification to reach	Link with other barriers	Terms *To include whe when its end is	en the activity wou expected.	ld start and	Budget € Responsible How much to face the money is costs	to face the	Expected result	Indicator Indicators of successfully
	action code of the SA the obje	the objectives		Short term: 1 year (2019)	Medium term: 2-5 years (2020-2025)	Long term: > 5 years (>2025)	needed to reach the objective?			implemented activities. The indicators have to be quantifiable	
B1 Insufficiently open state- owned forests	A1 Awareness of biomass market imbalance in the	A 1.1 Animation of Hrvatske šume d.o.o.	Presentation of the situation in the demand and hiomass supply	B2				1.000,00	Ministry of Environmental Protection and Energy;	Increased public awareness of stakeholders about biomass market	Min. 3 Consultation Meetings
in the area of NP Velebit and the whole Lika-Senj County (SO 1)		market in the Lika- Senj County to Hrvatske šume	B2				5.000,00	The Environmental Protection and Energy Efficiency Fund; Ministry of Agriculture	nvironmental rotection and nergy fficiency und; linistry of	5 workshops with different target groups of development stakeholders and joint workshops were held	
		A1.3 Public animation		B2				10.000,00			Min. 4 informative campaigns
	A2 The process of opening state-owned forests	A 2.1 Preparation for the long-term accelerated construction of forest roads	Preparation of 2 studies on the opening of state forests: First - for the area of NP Velebit; Second - for the entire Lika-Senj County; Preparation of project documentation in accordance with the Law on Construction and Forest Road Permits defined by the mentioned studies (according to	B2				500.000,00	Hrvatske šume d.o.o.	Created preconditions for accelerated construction of forest roads in the area of NP Velebit and Lika-Senj County	2 studies on the opening of state forests: First - for the area of NP Velebit; Second - for the entire Lika-Senj County; evidence of consultation with development stakeholders; The number of roads for which the project documentation was created and

A 2.2 Construction of forest roads in state-more froats in the area of PP velotit and poor management of private forests in the area of NP velotit and and poor management of private forests in the area of NP velotit and and bias-Senj County A 3.4 Avaneness of binness and poor management of private forests in the area of NP velotit and and bias-Senj County A 4. Draffing of the Program for the Program for the Improvement of Program for the Improvement of Private Forests in the area of NP velotit and Lika-Senj County A 4. A 5. Avaneness of NP velotit and poor management of Program for the Improvement of Program for the Improvement of Provide forests in the area of NP velotit and Lika-Senj County A 4. Draffing of the Program for the Improvement of Provide forests in the area of NP velotit and Lika-Senj County A 4. Draffing of the Program for the Improvement of Provide forests in the area of NP velotit and Lika-Senj County A 4. Draffing of the Program for the Improvement of Provide forests in the area of NP velotit and Lika-Senj County A 4. Draffing of the Program for the Improvement of Provide forests in the area of NP velotit and Lika-Senj County A 5. A 4. A 4. The A 5. A 5				the priority system)						the obtained permit
Inadequate and poor management of private forests in the area of NP Velebit and Drotte for improvement of private Forests in the area of NP Pvelebit and Lika-Senj County A 4 Drafting of the Improvement of Program for the Improvement of NP Velebit and Lika-Senj County NP Velebit and Lika-Senj County A 4 Drafting of the Program for the Improvement of NP Velebit and Lika-Senj County NP Velebit and Lika-Senj County A 4 Drafting of the Program for the Improvement of Program for the Improvement of NP Velebit and Lika-Senj County NP Velebit and Lika-Senj C			Construction of new forest roads in the area of PP Velebit and Lika-	forest roads in state- owned forests in the area of PP Velebit and Lika-Senj			possible to evaluate, depending on the needs defined by the Studies (A 2.1); (cca up to EUR 20	Agriculture (MA for RDP,	state-owned forests in the area of PP Velebit and Lika-Senj County; Improve supervision, protection and sustainable use of	forest roads in the area of PP Velebit and Lika-
A 4 .1 Preparation and development of Program for the Improvement of Private Forests in the area of NP Velebit County A 4 .1 Preparation and development of Programs for the Appointment of the Programs; in the area of NP Velebit MP Managing Board of the Public Institution NP Velebit MP Velebit MP Velebit MP NP	Inadequate and poor management of private forests in the area of NP Velebit	of biomass market imbalance in the area of NP Velebit and Lika-Senj	Animation of local and regional development stakeholders - private forest owners and legal entities (Hrvatske šume, Advisory	situation on the demand and biomass supply market in the area of Lika-Senj County and PP Velebit, with possibilities of economic development that provides for improvement of private forests	B1			Environmental Protection and Energy; The Environmental Protection and Energy Efficiency Fund; Ministry of Agriculture; Lika-Senj	awareness of interested parties about developments in the	consultation workshops with target groups and together; Min. 4 media/ informative
20 000 00 Like Soni Protection at the county Doyalanda		Drafting of the Program for the Improvement of Private Forests in the area of NP Velebit and Lika-Senj	Preparation and development of Programme for	Appointment of an expert, multisectoral working group for the development of the Program; Implementing Public Procurement for the Supplier; Drafting the Program Proposal; Adoption of the Program at the Managing Board of the Public Institution	В3		20.000,00	Public Institution "Nature Park	economic development through the introduction of a private forest management system; Improvement of the supervision, protection and sustainable use of natural heritage in the area of NP Velebit and the area of Lika-Senj County (outside the border of NP Velebit) managed by the Public	Program for improving the management of forests in private ownership in the area of NP Velebit; Found min. 3 private forest owners associations in the area of NP Velebit (at the LSU level in the

	Preparation and development of Programme for Lika-Senj County (oustside NP Velebit area)	expert, multisectoral working group for the development of the Program; Implementing Public Procurement for the Supplier; Drafting the Program Proposal; Adoption of the Program at the County Council				County	level; Strengthening human resources in the management of private forests; a sustainable support system has been established for private forest owners	Private Ownership Forest Management Program in the Lika-Senj County; The County Association of Private Forest Associations (LSU associantion joined in umbrella association)
A 5 Implementation of the Program for the Improvement of Private Forests in the area of NP Velebit and Lika-Senj County	A 5.1 Programme implementation in NP Velebit area	Appointment of the multi-sectoral supervisory board of the program and the performance program team; Procurement for the purpose of implementing activities defined by the Program; Monitoring and evaluation of the implementation of the activities and the program as a whole.	B1/B3		0,7 mil.	Public Institution "Nature Park Velebit" incl. Managing Authorities responsible for EU funds (Mainly – Ministry of Agriculture and Ministry of Environmental Protection and Energy)		Implemented a program for the improvement of private forestry management in the area of NP Velebit; Min. 3 private forest owners associations in the area of PP Velebit (at the LSU levels in the park area) operational and min. 3 development pilot projects implemented
	A 5.2 Programme implementation in Lika-Senj County (oustside NP Velebit area)	Appointment of the multi-sectoral supervisory board of the program and the performance program team; Procurement for the purpose of	B1/B3		1 mil.	Lika-Senj County incl. Managing Authorities responsible for EU funds (Mainly – Ministry of		A program for the improvement of private-owned forests management in the Lika-Senj County; The County

			implementing activities defined by the Program; Monitoring and evaluation of the implementation of the activities and the program as a whole.				Agriculture and Ministry for Regonal Development and ESI funds)		Association is operational, provides technical assistance to its members, has min. 2 persons employed through project financing; min. 3 development project financed by the EU
B3 Endangering the safety of people and property and biodiversity for the mine- suspected areas of forests	A 6 Demining mine- suspected areas	A 6.1. Programming; Preparation of project documentation	EU Funds / National Funds Insurance from Current and Next Budget Period; Developing financial instruments; Creating the necessary technical documentation (preliminary demining project)	B1/B2		It can not be estimated without HCR detailed analysis; but the need is about 30 million Eur	EU funds and national budget (Ministry of Agriculture and Croatian De-mining Centre)	Implementation of Measure 5, RDP Croatia 2014-2020; Clearance of mine suspected forest areas in and for the next programming period under the Operational Programs / EU Financing Implementation	RDP Croatia for this and nex programming period - EU funds and national budget
(SO 3)		A 6.2. De-mining implementation	Implementation of public procurement procedures for the performance of works; Contracting, Monitoring and Evaluation	B1/B2				Increased areas cleared of mines to be managed in accordance with established forest management principles	km² of forests and forest land clear from mines and explosive devices

6. Reference

- PP Velebit 2007., Plan upravljanja PP Velebit za razdoblje 2007-2017.
- Nacionalni program protuminskog djelovanja Republike Hrvatske 2009-2019.
- ForBioEnergy "Osnovna analiza stanja proizvodnje/potencijala biomase na području Ličko-senjske županije s naglaskom na zaštićeno područje Parka prirode Velebit" (PO T 3.2)
- Program ruralnog razvoja Republike Hrvatske za razdoblje 2014.-2020.
- Pravilnik o postupku za ostvarivanje prava na sredstva iz naknade za korištenje općekorisnih funkcija šuma za izvršene radove u šumama "Narodne novine" broj 22/15, 93/15, 57/17
- Vlada Republike Hrvatske, 2018., prijedlog Izvješća o provedbi protuminskog djelovanja i utrošenim financijskim sredstvima za 2017. godini