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ALGAE – ECONOMY BASED ECOLOGICAL SERVICE OF AQUATIC ECOSYSTEMS

AlgaeService for LIFE, No. LIFE17 ENV/LT/000407

COMMUNICATION PLAN

Deliverable of the Action D1

| Project acronym | AlgaeService for LIFE |
|-------------------------------------|---|
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| rioject full litte | |
| | OF AQUATIC ECOSYSTEMS |
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INTRODUCTION

The aim of the communication plan is to increase awareness of stakeholders concerning management of excessive algal blooms in water bodies, development, production and use of potential bioproducts from algal biomass. Also it aims to transfer information and right messages to involved parties and to encourage them to produce feedback. In general project activities are designed to attract the largest possible number of persons and bodies that are interested and involved in dealing with algal blooms in water bodies. Finally, this communication plan will contribute to the change of knowledge and behaviour of general public, scientists and specialists from different institutions.

I. Logical framework of communication plan. The dissemination of the project activities, results and outputs at national and international levels aims to raise awareness on environmental, water quality and health hazard issues, technologies for harvesting of cyanobacteria scums and macroalgae mats, as the source of phosphorus, nitrogen and hazardous cyanotoxins, in various types of water bodies as well as potential applications of algae biomass for bioproducts. This action is focused on the efficient and comprehensive dissemination and other types of communication in order to assure the social and environmental impact of project results (Table 1). Communication tools are provided in figure 1. All the project partners will participate in dissemination activities to reach as wide audience as possible.



Fig. 1. Communication network for AlgaeService for LIFE project.

II. Target groups. The aim of activities of communication and dissemination is to reach representatives of different target groups, thus it requires various methods and channels to reach them. Project results will be communicated and disseminated to the relevant stakeholders and audiences by different online and face-to-face means (Table 2). Methods and channels that will be used for communication require different activities for marketing of the project that has to be implemented in order to reach foreseen results during and after the implementation of the project.

III. Indicators. For the implementation of actions and activities of dissemination and communication different indicators and their values of reference are foreseen. Such way allows controlling and monitoring the implementation and success of dissemination activities (Table 3). Also time and deadline are fixed for each action and activity.

| Action. Activity | What | How | Where | When | Who |
|---------------------|---------------------------------------|--|--------------------------|-----------------------|------------------|
| D1. Project website | Website AlgaeService for LIFE. | Webpage will contain | Placed at NRC web | AlgaeService for | NHF, with |
| and social | | information in three languages | server and maintained | LIFE website will | contribution of |
| networks | All material related with project | (LT, PL, EN) and will serve as | during the entire | be online at latest 6 | NRC and other |
| (Facebook, | activities (field works, | the main tool for the informing | project's lifetime and 5 | months after the | project partners |
| ResearchGate, | implementation actions, photos, | of the general public and | years after the end. | starting date | |
| YouTube) | video, etc.) links to Facebook | stakeholders about project | | following the LIFE | |
| | and project ResearchGate profile | aims, activities and results. | | general conditions | |
| | as well as YouTube channel will | Also LIFE logo, objectives, | | http://www.algaese | |
| | be presented. Project outputs | actions, progress, expected | | rvice.gamtostyrimai | |
| | such as Layman's report, press | results, beneficiary, co- | | .lt | |
| | releases, scientific articles, After- | financiers will be provided. | | | |
| | LIFE Plan will be uploaded and | External service will be | | | |
| | will be available online. QR | acquired in order to create and | | | |
| | (Quick Response) code will be | technically maintain the | | | |
| | generated and linked with the | website (software, design, | | | |
| | project website, and available in | programming, etc.). | | | |
| | project implementation areas. It | | | | |
| | is aimed to register algae blooms | | | | |
| | in LT and PL with the help of | | | | |
| | society. Data will be used for | | | | |
| | creation of hot-spot database of | | | | |
| | blooming freshwaters. | | | , | |
| D1. Training- | Outcomes of Training seminars | Seminar will include | One day training- | River Šventoji (LT) | NHF, BE, NRC |
| demonstration | are expected to engage policy | demonstration of harvesting | demonstration in | – September- | |
| seminars | makers from other policy sectors | prototypes operation, lectures | vicinities of River | October, 2020; | |
| | to widen the impacts of the | related with project objectives, | Šventoji (LT), Lakes | | |
| | project at the regional scale. Four | environmental problems | Tynieckie Circle (PL), | Oporzyńskie (PL) – | AMU |
| | training seminars at the regional | targeted and <i>in situ</i> monitoring | Oporzyńskie (PL); 2 | May-June, 2022; | |
| | scale in LT and PL for | of algae agglomerations by | days – in the Curonian | | |
| | representatives of governmental | distant methods. Summary | Lagoon (LT) will be | Lakes Tynieckie | INC |
| | institutions, municipalities' | with recommendations derived | arranged. | Circle (PL) – | |
| | authorities, administrations of | from the project activities will | | August-September, | |
| | protected areas and other | be prepared and used as a | | 2022; | |
| | relevant stakeholders will be | means of communication | | | |

 Table 1. Elements of communication plan for AlgaeService for LIFE.

| | organised. Each event will gather | towards national and EU | | Curonian Lagoon | NHF, BE, NRC |
|---------------|--|---|--------------------------|-------------------|---------------------|
| | up to 30 participants. | policy makers. Such summary | | (LT) – August- | 1 (III , DL, 1 (ICC |
| | of to co participants. | considering an EU perspective | | September, 2022. | |
| | | with the aim to communicate | | September, 2022. | |
| | | and present project idea, | | | |
| | | results and outcomes will be | | | |
| | | distributed by direct | | | |
| | | communication and through | | | |
| | | different social networks, | | | |
| | | conferences. | | | |
| D1. Lecture- | One seminar-workshop for other | It is expected to raise business | Seminar-workshop | April-June, 2023 | NRC, BE, SPILA, |
| workshop with | policy areas stakeholders, mostly | people interest to produce new | will be organized in | April-Julie, 2023 | NHF |
| businessmen | practitioners and businessmen | ecological products that will | Vilnius, LT (up to 30 | | 19111 |
| Dusmessmen | will be organized (up to 30 | have a socio-economic effect | | | |
| | participants). Project results | due to increased workplaces, | participants). | | |
| | related with potential | provided natural health | | | |
| | 1 | 1 | | | |
| | applications of algae biomass for | products for further steps after | | | |
| | bioproducts will be presented and discussed with stakeholders. | project implementation. Commercialisation of the | | | |
| | and discussed with stakeholders. | | | | |
| | | bioproducts from algal | | | |
| | | biomass gives additional value | | | |
| | | which is important for further | | | |
| | | steps after project | | | |
| | | implementation. | XX 711 1 1 1 1 | F 1 0000 | |
| D1. Leaflets | Background information about | 300 copies of the leaflet (200 – | Will be placed on the | February, 2020 – | LT- NHF with |
| | the project (environmental | in Lithuanian, 100 – in | project website, | LT, May, 2020 – | contribution of |
| | problem, objective, | English) and 600 copies of the | Facebook, distributed | PL | other LT partners; |
| | methodology, description and | leaflet in Polish will be | during the project | | PL- INC, AMU. |
| | partnership) will be provided in | published and distributed | events, sent via e-mail. | | |
| | the leaflet. | between beneficiaries | | | |
| | | (institutional authorities, | | | |
| | | representatives of business, | | | |
| | | members of communities). | | | |
| | | The leaflets that have to be | | | |
| | | distributed will be preferably | | | |
| | | printed on recycled or | | | |
| | | ecologically produced paper. | | | |

| D1. Brochure | Preliminary results of the project after Mid-term report will be published in the brochure. | 500 hard copies of brochure will be preferably printed on Recycled or ecologically produced paper. | Brochure will be printed and distributed for relevant stakeholders during different project events As well as further spread in electronic format, making it available from the web-site to beneficiaries and general public. | April-June, 2021 | LT- NHF with contribution of other LT partners; PL- INC, AMU. |
|-------------------------------|---|--|--|---------------------------|--|
| D1. Video clip | Video clip including demonstration of information on the prototypes for harvesting cyanobacteria and macroalgae operation, distant methods for determination of agglomerations and the application of harvested biomass will be produced. | The video clip will be produced in MPEG-4 format to facilitate internet viewing and will last about 10 minutes. | It will be disseminated in online means and during events to wide audience as well as it will be available at project website to all visitors. | September, 2021 | LT- NHF with contribution of other LT partners; PL- INC, AMU. |
| D1. Attributive material | Attributive material (stickers, flags, folders, pens, etc.) and handouts of the project will be produced for different project events. | Attributive material and handouts will be purchased by public procurement procedures. | Attributive materials will be used during different project events (e.g. demonstration seminars, seminars for stakeholders and businessmen, final conference). | October-December, 2019 | NHF, INC, AMU |
| D2. Scientific conferences | Prototypes which will be constructed, tested and demonstrated in the project, new methodology of distant methods for water blooms estimation prepared, harvested biomass application assessed and the other results will be introduced during international events, | This may promote collaboration for finding other technical solutions for the transfer of prototypes or complex technology for other applications (e.g. to use prototypes not only to harvest scums, but also to apply peroxide treating in harmful | Participation at least 10 national and International conferences (5 for LT and 5 for PL partners) for transfer information of project results to broader research audience is | During all the project | NRC, BE, INC, AMU |

| | conferences for the potential | blooms experiencing small | planned. | | |
|--------------------|---|---|---------------------------------------|------------------------|--------------------|
| | end-users with the purpose of | water ecosystems, etc.). | | | |
| | new instruments application in | | | | |
| | other blooming water bodies. | | | | |
| D2. Research | At least 5 publications in | Applied phycological research | | During all the | NRC, BE, INC, |
| papers | international scientific journals | that provides technical details, | Clarivate Analytics | project starting | AMU |
| | are planned to be prepared for | calculation of technology | Web of Science list, | from November, | |
| | the dissemination of the project | efficiency, and practical | Thomson Routers, etc. | 2019 | |
| | results and promote scientific | suggestions are of higher | | | |
| | interest of the technology | interest and request to compare | | | |
| | developed and its replication in | with the pure science. | | | |
| | other EU countries and | | | | |
| | worldwide. | | D'1 1/ | L L 2010 | |
| D1. Popular | Four popular papers in LT and | Explanation on project related | Regional and/or | January-June, 2019 | LT-NRC; |
| papers | PL are planned for dissemination | environmental problems, their | national newspapers | and January-June, 2021 | PL-INC, AMU. |
| | of project results. | mitigation, proposed solutions | e | | |
| | At least 2 wells on TXI | and project results, outcomes. | Netlegel and a set | Dearline all the | |
| D1. Interview in | At least 2 radio or TV | Action seeks to raise social | National radio and | During all the | LT-NRC; |
| media | presentations in LT and PL are planned for dissemination of | awareness on ecological problems, health issues related | regional or/and national TV channels. | project starting | PL-INC, AMU. |
| | project results. | with the algal blooms and to | national I v channels. | from April, 2020. | |
| | Additionally, press releases and | show new means, approaches | | | |
| | other announcements will be | to problem solution for the | | | |
| | prepared and distributed to the | broad scientific audience, | | | |
| | general media with information | especially decision makers and | | | |
| | of interest to reach a wide | businessmen, also general | | | |
| | audience. | public. | | | |
| D1. Notice Boards | Notice boards include short | Five notice boards with LIFE | Strategic places: LT- | Installation from | LT- NHF with |
| Diff force Dour us | project description for visitors | logos will be erected in | Šventoji River, | October of year | contribution of |
| | explaining importance of algae | strategic places accessible to | Curonian Lagoon, | 2019 till September | other LT partners; |
| | harvesting in particular water | the public close to places | Simnas Lake; | 2020 | PL- INC, AMU. |
| | bodies, QR code, link to the | where the activities of B1.2 | PL- Lake Oporzyńskie | | , |
| | project website. | sub-action will be performed. | (Wielkopolska), Lake | | |
| | | * | Tynieckie Circle, | | |
| | | | Małopolska). | | |

| D1. Layman's | The Layman's report will | The Layman's report will be | It will be available in | May of year 2023 | NHF |
|----------------|--------------------------------------|--------------------------------|--------------------------------------|-------------------|----------|
| v | include the summary of project | prepared by the project team, | digital form on the | Way of year 2025 | ΝΠΓ |
| report | scope, description of techniques, | published in 3 languages (LT, | website, distributed by | | |
| | methods used, results achieved, | PL, EN) before the final | | | |
| | and the impact of the project on | conference. | email, placed on official website of | | |
| | national & European level. | conference. | LIFE-Environment | | |
| | national & European level. | | programme, etc. | | |
| | | | Published hard-copies | | |
| | | | (in colour, printed on | | |
| | | | recycled paper) will be | | |
| | | | distributed to | | |
| | | | stakeholders. | | |
| E1. Final | One day Final project | Project partners will share | Vilnius, LT | July of year 2023 | NHF |
| conference | <i>conference</i> will host 60-70 | main results and achievements, | v mnus, L1 | July of year 2025 | |
| contenence | representatives of state, | gained experience and | | | |
| | commercial institutions, | exchange knowledge. The | | | |
| | scientists, nature | events' hosting and catering | | | |
| | conservationists, NGO's and | services will be outsourced. | | | |
| | other stakeholders who will take | All project outputs in USB's | | | |
| | part in the implementation of the | will be distributed for | | | |
| | project. | participants. | | | |
| D1. Networking | Aiming to reach an effective | Networking strategy will | Potential LIFE and | During all the | NRC, NHF |
| 8 | communication and experience | include exchange of | non-LIFE projects for | project starting | |
| | exchange with other LIFE and | information and experience of | networking: | from July of year | |
| | non-LIFE projects, the project | integrated efficient | NutriBiomass4LIFE, | 2019 | |
| | team will direct its main | management of nutrients and | Life EcoSens | | |
| | networking efforts to share and | algal nuisance blooms at the | Aquamonitrix, COST | | |
| | get the advice from other | catchment scale by harvesting | EuAlgae, EOMORES | | |
| | projects, including their | of cyanobacteria scums and | (Horizon 2020), | | |
| | experience and how they | macroalgae mats in different | COASTAL BIOGAS, | | |
| | integrate best practice, or at least | types of water bodies. During | (Interreg South Baltic | | |
| | take them into consideration | networking activities the | program). | | |
| | during project implementation. | efficiency of the prototypes- | Representatives of | | |
| | Communication will help better | harvesters for mitigation of | those projects and | | |
| | understand possible constraints, | excess algal biomass, as the | COST Cyanocost, | | |
| | overcome later drawbacks and | source of phosphorus, nitrogen | Submariner will be | | |
| | maximize the probability of | and hazardous cyanotoxins, in | invited to the Final | | |

| | | | _ | | |
|-----------------|------------------------------------|-----------------------------------|-----------------------|--------------------------|--------------|
| | achieving overall project targets. | the ecosystems to ensure their | conference. | | |
| | In addition, project results will | applicability and | | | |
| | be provided for at least 20 | transferability to a high variety | | | |
| | selected | of EU aquatic ecosystems will | | | |
| | institutions/organisations which | be demonstrated. The active | | | |
| | are working in relevant field in | exchange of information is | | | |
| | other EU countries transferring | planned between other | | | |
| | all the information electronically | European projects which work | | | |
| | during and after the project. This | in the field of water | | | |
| | will contribute to transferability | ecosystems restoration & | | | |
| | and replication of project results | management or deal with algae | | | |
| | on EU level. | bioproducts & biomass | | | |
| | | applications. The project will | | | |
| | | establish links, for example, | | | |
| | | with state and private | | | |
| | | employees, staff from nature | | | |
| | | conservation and scientific | | | |
| | | institutions, farmers. | | | |
| E1. Internal | Meeting of the project partners | | Nature Research | Defined dates (may | NRC |
| meetings of the | organised every 3 months. | main results and achievements | Centre – LT Partners, | be adjusted by | NIC |
| Project | organised every 5 months. | over the reporting period, raise | on-line video | necessity): | |
| Management | | the troubles that occur and | conference with PL | end of February; | |
| 8 | | vote for the | Partners. | end of May; end of | |
| group | | | Farmers. | | |
| | | decisions/solutions. Outputs of | | August; end of November. | |
| | | meetings will be protocols | | November. | |
| | | prepared by NRC and | | | |
| D1 D | | uploaded to project Dropbox. | | | A 11 (|
| E1. Reports | Technical and financial reports | Each Partner sends the | Nature Research | A week before | All partners |
| | provided for 3 months period. | technical and financial | Centre | Progress meeting | |
| | | Progress reports to coordinator | | (every 3 months). | |
| | | every 3 month. NRC will | | | |
| | | summarise the reports, | | | |
| | | technical part with the general | | | |
| | | information will be uploaded | | | |
| | | to the Dropbox. | | | |

| E1. Meetings of the | Meeting of the SC will be | Project Management group/ | Nature Research | Dates and | NRC |
|---------------------|------------------------------------|---|-----------------------|--------------------------|--------------|
| Steering | organised once a year. The report | Project coordinators will share | Centre | frequency of the | |
| Committee (SC) | on the project activities and | main results and achievements | | meetings will be | |
| | achieved results will be sent to | of the project and discuss with | | defined during first | |
| | SC members two weeks before | the SC members possible | | SC meeting. | |
| | the meeting. | improvement and replication | | C C | |
| | | and transfer possibilities of the | | | |
| | | project results Outputs of SC | | | |
| | | meetings will be protocols | | | |
| | | prepared by NRC and | | | |
| | | uploaded to project Dropbox. | | | |
| E1. | 1. Attendance in two LIFE | Attendance in LIFE | EASME meetings in | At the beginning | NRC |
| Communication | informational meetings organised | informational meetings of | Brussels; | (November, 2018) | |
| | by EASME; | EASME for acquiring | | and in the middle | |
| EASME experts | 2. Providing project | important information, | | of the project (to be | |
| | implementation information for | discussion of uncertainties and | | defined by | |
| | advisor from NEEMO; | questions and networking. | | EASME); | |
| | 3. Providing 3 Progress, Mid- | Each year or under the request | | | All partners |
| | term and Final reports; | NRC will provide information | | | |
| | 4. Communication for | for NEEMO advisor, adjust | | | |
| | clarification of questions related | and discuss all questions raised | | | |
| | with LIFE policy and project | before sending them to | | | |
| | implementation. | EASME experts. | D / 111 | D | NDC |
| | | Project implementation results | Reports provided via | Progress reports: | NRC |
| | | (technical and financial) will | electronic LIFE | 12/219, 12/2021, | |
| | | be summarised in Progress, | system; | 12/2022; | |
| | | Mid-term and Final reports in | | Mid-term report 12/2020; | |
| | | the form as suggested in LIFE template. The reports will be | | , | |
| | | approved by all Partners. | | Final report 10/2023; | |
| | | Auditing will be performed | | 10/2023, | |
| | | before Mid-term and Final | | | |
| | | reports. | | | |
| | | Special questions, changes of | Rest of information | As appropriate. | NRC |
| | | the project implementation | will be exchanged via | | |
| | | will be adjusted with NEEMO | mailing. | | |
| | | and EASME. | manning. | | |
| L | | | l | | |

| E1. | Mid-term | Mid-term | meeting | in | Krakow, | Mid-term | meeting | will be | Kraków, Poland | 9-10/2020 | INC |
|------------|----------|----------|---------|----|---------|----------------------------------|---------|---------|----------------|-----------|-----|
| meeting | | Poland | | | | organised for all partners of | | | | | |
| | | | | | | the project. Partners will | | | | | |
| | | | | | | present their achievements up- | | | | | |
| | | | | | | to time of the meeting and will | | | | | |
| | | | | | | discuss furthers plans. It will | | | | | |
| | | | | | | be also time to visit one of the | | | | | |
| | | | | | | places chosen for | | | | | |
| | | | | | | cyanobacter | erial | scums | | | |
| | | | | | | collections. | | | | | |

| Target groups | Methods and channels to reach them | Activities for marketing the Project during and after implementation | Expected results |
|---|--|--|---|
| General public | Project website, social networks and ArcGIS application "Mark a blooming water body", on- line questionnaire, popular papers, interview in media, leaflets. Also notice boards in places of Project activities. Consultations, workshops and lectures to the community of various age groups (schools, gymnasiums, 3-rd age university, etc.). | Advertisement in social networks and websites of Project partners as well as publications in popular papers, interviews in media and information on notice boards. Lectures and visits in schools, gymnasiums; direct communication with society. | Awareness and knowledge on eutrophication, water quality and health hazard issues as well as causes and outcomes of harmful blooms. |
| Research institutions, scientists | Scientific social networks, scientific conferences, seminars, research papers, networking, ArcGIS application "Mark a blooming water body". Sharing of prepared materials about project and its results (leaflets, brochure, etc.). Training and education of bachelor, master and PhD students. | Active participation of all partners in scientific social networks (e.g. posts and scientific publications on ResearchGate), scientific conferences, thematic seminars, communication with researchers' groups and projects of similar thematic. | Increased interest of scientific community in the field of ecology of water bodies, technologies for harvesting and production of bioproducts. New project proposals generated. |
| Tourism sector | Project website, social networks and ArcGIS application "Mark a blooming water body" as well as popular papers and interview in media. Also notice boards in places of Project activities, specialised questionnaire. | Advertisement in social networks and websites of Project partners as well as publications in popular papers, interviews in media and information on notice boards. | Attraction of tourists to the areas. Responses to the questionnaire from representatives of tourism sector. |
| Governmental institutions, municipalities' authorities, administrations of protected areas | Training-demonstration seminars, popular papers and interview in media. In addition, summary with recommendations derived from the project activities will be prepared and used as a means of communication towards national and EU policy makers. Final conference. Share of brochure and Layman's report. Advertisement of the project by emails, providing information to policy makers, suggestions for amendments of water quality legislation for bathing waters. | Seminars will include demonstration of harvesting using prototypes, also lectures related with project objectives, environmental problems targeted and <i>in situ</i> monitoring of algae agglomerations by distant methods. Summary with recommendations will be distributed by direct communication and through different social networks, conferences. Layman's report and video will be presented during the Final conference. | During training-demonstration seminars and Final conference it is expected to engage policy makers from different policy sectors to widen the impacts of the Project at the national and regional scale. |
| Practitioners and businessmen | Workshop as well as popular papers and interview in media. Direct communication with relevant stakeholders from business (farmers, | Workshop for other policy areas stakeholders, mostly practitioners and businessmen will be organized. | Stakeholders will get acquainted with project results related with potential applications of algae biomass for |

Table 2. Target groups, methods to reach them, activities and expected results in AlgaeService for LIFE.

| | biogas companies, cosmetics, etc.). Final | Representatives of this target group will be | bioproducts. |
|-------------------|--|--|-------------------------------------|
| | conference of the project. | invited to the Final conference. | |
| Nature | Project website, social networks and ArcGIS | Main results and achievements as well as | Representatives of NGOs and other |
| conservationists, | application "Mark a blooming water body". | gained experience and new knowledge will | specialist working in the field of |
| NGO's | Brochure, Layman's report, training seminars | be shared not only via project website and | nature conservation will get |
| | and Final conference. | social networks, but also during training | acquainted with the results, |
| | | seminar and Final conference. | achievements and new knowledge |
| | | | gained during the implementation of |
| | | | project activities. |

| Action. Activity | Indicator | Value of reference | Time/deadline |
|--|---|--|----------------|
| D1. Project website | Numbers of visits | >1 000 | July 2023 |
| D1. Social networks (Facebook, ResearchGate, YouTube) | Number of visits and views | >5 000 | July 2023 |
| D1. Training-demonstration seminars | Number of seminars Number of attendees | • 4 • up to 120 | October 2022 |
| D1. Lecture-workshop with businessmen | Number of workshops Number of attendees | • 1 • up to 30 | July 2023 |
| D1. Leaflets | Number of copies distributed | LT - 200 EN - 100 PL - 600 | December 2022 |
| D1. Brochure | Number of copies distributed | 500 | July 2023 |
| D1. Video clip | Number of views | >5000 | July 2023 |
| D1. Attributive material | Number of items | up to 220 distributed | July 2023 |
| D1. Popular papers | Number of reads | >400 | July 2023 |
| D1. Interview in media | Number of interviews Number of views | at least 2 >200 | July 2023 |
| D1. Notice Boards | Number of notice boards | at least 5 | September 2020 |
| D1. Layman's report | Number of copies distributed | 300 | July 2023 |
| D1. Networking | Number of projects Number of events | up to 5 up to 10 | June 2023 |
| D1. Social events for the society of various age groups (workshops, lectures) | Number of events Number of attendees | up to 4up to 200 | July 2023 |
| D1. Visits to education institutions (kindergartens, schools, gymnasium) | Number of lectures/workshops Number of attendees | 4 up to 120 | July 2023 |
| D1. Project proposals submitted | Number of proposals | at least 1 | July 2023 |
| D1. Direct communication with target stakeholders (politicians, representatives of ministries, municipalities, | Number of stakeholders | up to 10 | June 2023 |

| Table 3. Indicators of communication a | activities progress. | , value of reference. | time and deadline. |
|--|----------------------|-----------------------|--------------------|
| | | | |

| protected areas, farmers, businessman) | | | |
|---|--|---|-----------|
| D2. Scientific conferences | Number of conferences Number of participants in conferences | at least 10 >500 in total | July 2023 |
| D2. Research papers | Number of reads | >500 | July 2023 |
| D2. Training of bachelor, master and PhD students | Number of students | up to 5 | June 2023 |
| E1. Final conference | Number of participants | up to 70 | June 2023 |