



LIFE17 ENV/LT/000407



Algae
Service
for
Life

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Networking with society and other stakeholders: networking, social events, media interviews, video



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ALGAE – ECONOMY BASED ECOLOGICAL SERVICE OF AQUATIC ECOSYSTEMS

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

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Summary

Networking with society and other stakeholders was launched with different other EU projects, collaboration with scientific community and preparation of scientific project proposals was carried out. Another part of the networking was the involvement and spread of information for general public using such communication tools as social events, media interviews and video. Information about project and its achievements was published on Facebook, websites of project partners, also advertised on EU level.

Abbreviations

AMU – Adam Mickiewicz University in Poznan
INC – Institute of Nature Conservation of Polish Academy of Sciences (INC PAS)

NHF – Nature Heritage Fund
NRC – Nature Research Centre

1. Networking

Networking with professionals and experts in the field was carried out with other EU projects (8 projects, 214 persons), discussions on networking opportunities and projects' cooperation (4 projects, 4 persons), networking meetings (7 meetings, 50 persons), matching events (4 events, 201 persons), proposals of networking projects (3 proposals, 50 persons) as well as collaboration with scientific community, specialists and companies (19 collaborations, 64 persons) and scientific project proposals (8 projects, 103 persons) – 1 financed, 6 not financed, 1 under evaluation.

NETWORKING HAS BEEN LAUNCHED WITH OTHER EU PROJECTS

1. *NutriBiomass4LIFE* (LIFE17 ENV/LT/000310) (3 persons). Coordinator Mindaugas Šilininkas; collaboration NRC: A joint trial with populus biomass plantations for testing macroalgal and cyanobacteria biomass as fertilizers was elaborated participation at the final conference of the project, participated in AlgaeService for LIFE demonstration events. LT
2. *EOMORES*, Horizon 2020 (2 persons): tools developed are used for the analysis; NRC was a associated user of the project. Collaboration with researchers from Klaipėda University (Lithuania) in order to perform water quality evaluation in Curonian Lagoon based on remote sensing data. LT
3. *TODAY* (Klaipėda University, Lithuania, (3 persons) NRC networking with the project for combining satellite images and UAV images for cyanoblooms analysis in Kaunas Reservoir. Further collaboration and data exchange was agreed, participated in AlgaeService for LIFE demonstration events and remote sensing conference. LT
4. *Building LIFE Capacities in Lithuania* (LIFE14 CAP/LT/000008; 2 persons), coordinator Aušra Šmitienė. NRC taking part in 4 organised events, providing information for press release, informational papers, video of advertising LIFE projects, presentation at the final project conference, participated in AlgaeService for LIFE demonstration events. LT
5. *EU4Algae: European Stakeholder platform* (200 persons) (https://maritime-forum.ec.europa.eu/theme/blue-economy-and-fisheries/blue-economy/eu4algae_en). NRC participated at WG 2. Microalgae Production, WG 4. Algae for Feed, WG 5. Ecosystem

- Services / Bioremediation; joined to WG6: Materials / Chemicals / Bioactives and Algae Biorefining. Presentation *AlgaeService* for LIFE project results. LT
6. *COSTAL BIOGAS*, Cluster on Anaerobic Digestion, Environmental Services and Nutrient Removal, Interreg South Baltic program, (<https://www.coastal-biogas.eu/>). Contact person Andrius Tamošiūnas (Lithuanian Energy Institute), collaboration NRC, BE: exchange information on biogas production from macroalgae, participation with presentation at on-line event, participated in *AlgaeService* for LIFE demonstration events. (1 person) LT
 7. *NUTRIMAN*, Horizon 2020. Coordinator Edward Someus (biochar S&T senior engineer) Terra Humana Ltd. BIOFARM Agri Research Station. Questionnaire of the project “Nutrient Management and Nutrient Recovery Thematic Network” was completed sent on 02/2019 for the networking. The project *NUTRIMAN* is a network compiling knowledge for recovered bio-based fertiliser products, technologies, applications and practices (<https://www.nutrیمان.net/project/objectives>). Topic for networking is biofertilisers and the legislation in European Union. (1 person) LT
 8. *Lukasiewicz-Institute of Aviation in Warsaw* (Poland), INC PAS established collaboration for monitoring of cyanobacterial blooms using UAV photos and satellite photos use for monitoring. (2 persons) INC

NETWORKING OPPORTUNITIES AND PROJECTS’ COOPERATION WAS DISCUSSED WITH

1. *IDEA*, The Project “Algae as a viable alternative to food, animal feed and care products“, the European Interreg North-West Europe programme with the partners in Belgium, the Netherlands, France, Germany and Ireland. Leader & Senior Project Manager bij. VITO, dr. Leen Bastiaens (Antwerp Area, Belgium). Involved the NRC. Agreed to test specialised algae concentration system developed by *IDEA* project to concentrate more cyanobacteria scums in manufactured AS-L prototype. (1 person) LT
2. *Life EcoSens Aquamonitrix* (LIFE17 ENV/IE/000237), coordinator Sandra Lacey. Involved the NRC. Agreed to search possibilities to test a new water quality monitoring solution developed by LIFE project to monitor inter-seasonal changes in Lithuanian rivers, selected for prototypes testing. The developed device can carry out near continuous analysis of water sources, monitoring the indicators of water quality including nutrients, pH, chemical oxygen demand and suspended solids. (1 person) LT
3. *MicroBiorefine*, the project “Integrated microbial biomass production and refinement for sustainable fuels & feed”, Umeå University, Sweden (https://solarfuels.eu/?page_id=2398); Leader Dr. Christiane Funk. Involved the NRC. Agreed exchange the knowledges on application of algae for biogas production. (1 person) LT
4. *CYANO* “Monitoring and Treatment of cyanobacterial contaminated surface waters”, 2018-2019, Bilateral Cyprus-France project, Cyprus University of Technology, Assoc. Prof. Maria G. Antoniou. Involved the NRC. Exchange of the information on cyanobacteria harvesting technologies. (1 person) LT

NETWORKING MEETINGS

1. *Baltic Networking Meeting*, Klaipėda, Lithuania 09/2018. The project *AlgaeService for LIFE* was introduced, communication with other projects. LT

2. *Kick-off meetings of the LIFE projects* in Brussels, 11/2018. Presentation the project, communication with project advisor M. Piecha and other LIFE projects. LT
3. “*LIFE days*”, Warsaw, Poland, 04/2019. The project *AlgaeService for LIFE* was introduced, communication with other LIFE projects in Poland. PL
4. Baltic Networking Meeting (11/2019, Sigulda, Latvia). The project *AlgaeService for LIFE* was introduced, communication with other LIFE projects. LT
5. Info days organised by *Building LIFE Capacities in Lithuania*, 04/2019, 05/2019, 02/2020 and 2021 (on-line) 10. Exchange the experience in writing and implementation. Presentations at final conference. LT
6. Presentation of project at Life information Day “The circular economy and quality of life” 09/2021 (Poland). PL
7. Participation and project representation in LIFE Info Day, 05/2023 in Lithuania. LT

MATCHING EVENTS

1. Horizon Europe matching event “Circular economy for biodiversity: unlocking the green potential“ (Brussels) 07/2021; NRC presented profile. Two proposals to join consortium have been got. (6 contacts) LT
2. European Algae Biomass Association webinar, 07/2021, LIFE project pitch presentation by NRC. Horizon4Poland’22, Warszawa, Poland, 21/11/2022, INC participated in first matchmaking meeting, established contacts with the Centre for Bioeconomy and Eco-Innovation of the Łukasiewicz Institute of Operating Technology in Radom (35 persons) PL
3. Klaipėda Manifesto: Blue economy match-making event, Klaipėda, Lithuania, 10/2023, BE did the presentation of their LIFE activities. 100 persons) LT
4. BLUEINVEST E-PITCHING SESSION, 10/2023 (online , BE presented their business plann with bioplastics (60 persons) LT

PROPOSALS OF NETWORKING PROJECTS

1. *Transnational ecosystem services for sustainable rural economic growth in the Baltic Sea region* (Baltic-TransEco), submitted to Swedish Institute Baltic Sea Cooperation program (02/2019), but not approved. Coordinator SocEco Analysis & Education AB (Sweden), NRC. (10 persons)
2. *Cyano Action*, COST action, submitted several times, but not succeeded. MC J. Karosienė, NRC. (20 persons)
3. *ALBIOME* COST, COST action, submitted several times, but not succeeded. MC J. Koreivienė, NRC. (20 persons)

COLLABORATIONS WITH SCIENTIFIC COMMUNITY, OTHER TYPES OF SPECIALISTS AND COMPANIES ESTABLISHED

1. *National Sun Yat-Sen University* (Taiwan, 8 persons), Department of Marine Biotechnology and Resources with NRC. Collaboration for search for bioproducts with strong antibacterial and antifungal properties from wild cyanobacteria biomass, visit NSYS university, and lectures 12/2023; partners in Biodiversa+ project. LT
2. *Academia Sinica* (Taiwan, 2 persons) with NRC. Visit on 12/2023 and discussed

- possibilities for collaboration with dr. Y.-L. Yang and dr. S.-C. Fang. LT
3. *Lucerne University of Applied Sciences and Arts* (Switzerland, 3 persons), for testing cyanobacteria biomass as antifungal compounds. LT
 4. *Martin-Luther University Halle-Wittenberg* (Germany, 1 person) with NRC, discussed possibilities of use cyanobacteria biomass for extraction of cyanotoxin standards. LT
 5. *Animal Rearing Technologies*, Lithuanian University of Health Sciences (Lithuania, 4 persons) with NRC, algal biomass as feed for rabbits. Two joint scientific papers were published. LT
 6. *The Fisheries Service* under the Ministry of Agriculture of the Republic of Lithuania and Simnas Fish farm (Lithuania, 3 persons), NRC in solving *Aphanizomenon* bloom problem in fish farm. LT
 7. *Ecotechnologies Laboratory*, Poznań University of Life Sciences (Poland, 2 persons). INC PAS started collaboration for utilizing of cyanobacterial biomass in the processes of biogas production provided harvested cyanobacterial biomass for gas production. PL
 8. *Gdańsk University* (Gdańsk, Poland; 2 persons) with INC PAS and screening cyanobacterial biomass for releasing compounds. PL
 9. *Klamath Valley Botanicals LLC* (Oregon, USA, 1 person), Mr. William Shannon Hamilton with NRC, a visit to the blooming Klamath Lake where a large-scale collection of *Aphanizomenon flos-aquae* is performed and further collaboration established. Sharing experiences on harvesting cyanobacterial biomass and its application for various products: powder for food supplements, cosmetics, kombucha, etc. LT
 10. *Paper factory "Grigeo"* (Lithuania, 2 persons) with NRC. Communication with the representatives of for replication or transfer of the LIFE project results are under discussion. LT
 11. *JSC Metal Production* (Lithuania) with NRC. Communication with the representative of company discussion of collaboration of manufacturing various devices in the future. LT
 12. *Kaunas Yacht club* (Lithuania, 3 persons) with BE, NRC. Communication concerning rent of prototypes for cyanobacteria biomass collection services. LT
 13. *JSC Horecka* (Lithuania), Andrius Dubnikas and colleagues (3 persons) with NRC. Discussed possibilities to use algal biomass production with food waste for biogas production in their factory. LT
 14. *JSC "Naujasis Nevėžis"* (Lithuania, 1 person) with NRC collaboration with feed additives production. Partners of Eureka, ECO-AQUA-Recycle project. LT
 15. *JSC BioVaga* (Lithuania, 3 persons) with NRC. Discussion about soil conditioners from *Cladophora* biomass. LT
 16. *Prof. Barry A. Costa-Pierce, Ph.D.* (Graduate Program in Ocean Food Systems, School of Marine & Environmental Programs, University of New England, USA, 1person) with NRC. Both scientifically and commercially interest in the use of both freshwater algae and seaweeds in producing biostimulants for vegetable crops; planning to assemble a research group in cold (Maine) and warm (Florida) sites that can examine both the viability and functioning of freshwater algae once applied to soils, and the role(s) of micro- and macroalgae once degraded in soils. LT
 17. *KTH Royal Institute of Technology* (Stockholm, Sweden, 4 persons) with NRC. Discussions with the researchers from for extending biofertilisation and biogas production testing as well as on evaluation of processes cost-efficiency through energetical chain. Project proposal to Swedish Institute or other EU call was also under consideration. LT

18. *Sofia K. Ohriski University*, Prof. M. Stoyneva-Gäertner, Assoc. Prof. B. Uzunov. Involved the NRC. Exchange of the information on distant technologies application for determination of biological ecosystem components. The seminar-workshop with two presentations of both institutions was organised on 05.2019 (10 participants from the NRC and 10 from *Sofia K. Ohriski University*). LT
19. *Riga Technical University* (Latvia) with associated Prof. Francesco Romagnoli. Involved the NRC. Discussed information exchange on wastewater treatment of algae and LCA analysis of environmental projects. (1 person) LT

SCIENTIFIC PROJECT PROPOSALS

Project proposals submitted (not financed):

1. Proposal to HORIZON-MISS-2022-SOIL-01-10: “*Innovations for soil improvement from bio-waste*“ was prepared, but not submitted 08-09/2021 (Coordinator Universidade NOVA de Lisboa, NRC – partner). NRC established contacts with the Avi Cesar „Wormarvel Group” (Israel), discussed application of worms in composting process of macroalgal and cyanobacterial wild biomass (2 persons)
2. Proposal to HORIZON-CL6-2022-FARM2FORK-01-05, “FIMTA-U: Freshwater Integrated Multi Trophic Aquaculture for the EU“ on submitted 02/2022, passed threshold, but not granted (Coordinator Agencia estatal consiejo, superior de investigaciones cientificas, NRC partner). Established contacts with The Fisheries Service under the Ministry of Agriculture of the Republic of Lithuania and the Simnas Fish farm (19 other institutions)
3. Proposal to HORIZON-MISS-2022-OCEAN-01, “Coaction with the MISSION to develop a sustainable algae-based Blue Bioeconomy – Algae 2023” submitted 09/2022, collected threshold points, rejected (Coordinator ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS, NRC organised Lithuanian lighthouse, not financed. Proposal was focused on bioproducts from algal biomass (35 other institutions)
4. Proposal to HORIZON-CL6-2023-GOVERNANCE-01-12: Citizen Sensing 2030 – Empowering citizens to monitor, report and act in partnership with relevant public authorities to protect their environment in the context of environmental compliance assurance”. Coordinator University of Iceland, Co-partners - NRC (+NHF), submitted 03/2023, not financed (24 other institutions)
5. CYANOMETICS - HORIZON-MSCA-2023-PF-01: MSCA Postdoctoral Fellowship 2023, „Biotechnology servicing nuisance management: using CYANObacteria as sustainable suppliers of the cosMETICS industry” (Coordinator University of Aveiro, Portugal, NRC – internship organisation) was submitted on 09/2023 (preparing for resubmission) (3 persons)
6. PRE-PROPOSAL APPLICATION FOR BIODIVERSA+ “Screening wild cyanobacteria biomass harvested from blooming freshwater ecosystems to extract bio-antipathogenic allelochemicals to control plant fungal pathogens as a contribution to sustainable agriculture”, (Coordinator Lucerne University of Applied Sciences and Arts, Switzerland; NRC - partner), Submitted 11/2023 (not financed) (5 persons)

Project proposals under evaluation

1. Project proposal to Research Council of Lithuania: HABpest, Biopesticides for agriculture: harmful blooms forming species against plant pathogens (Coordinator NRC), submitted 01/2024 (under evaluation). (3 persons)

Transfer project (financed)

1. *EUREKA* - ECO-AQUA-RECYCLE (2021-2023). Design of functional fish feed additives from wild algal biomass (Coordinator Lithuanian University of Health Science, NRC - partner). (15 persons)

2. Social events

One part of the networking is the involvement and spread of information for general public. Project partners have attended various events which were dedicated for society (pupils, students, general public). These events include lectures, presentations, field trips, training seminars, etc. 18 such type of events were attended and 8887 participants in total attended these events.

1. XIII Night of Biologists – „Water – the source of LIFE: Present and Future”, the Collegium Biologicum, Faculty of Biology AMU, Poznań, Poland, 13/01/2023. (Advertising the project in the forum of national participants, 1800 participants (people from Poznan and surroundings). PL
2. 6th National Competition for children from primary schools „Science – I like it” („Science – lubię to”), the Collegium Biologicum, Faculty of Biology AMU, Poznań, Poland, 4/03/2023. Advertising the project in the forum of national participants, 72 participants (teachers, pupils and their parents). PL
3. NRC: event „Sustainable projects for society”, Klaipėda, Lithuania, 26/08/2023. Award for Sustainability. LT
4. AMU: Field trip “Do you know what biodiversity is in the aquatic environment?”, 12/09/2023, Zbąszyń, Poland. Advertising the project in the forum of national participants, 15 participants (High school students), presence of representatives of the local government of Zbąszyń (the Mayor). PL
5. AMU: Oral presentation “Do you know what biodiversity is in the aquatic environment?”, AMU Collegium Biologicum, Poznań, Poland, 26/09/2023. Advertising the project in the forum of national participants, 96 participants (residents of Grodzisk Wielkopolski and the surrounding area; age 60+), presence of representatives of the local government of Grodzisk Wielkopolski – the Mayor and the Deputy Mayor.
6. AMU: European Research’s Night – AMU, Collegium Biologicum, Faculty of Biology AMU, Poznan, Poland, 29/09/2023. A series of workshops was held under the theme: *Faces of biodiversity? A workshop and an exhibition were held: Do you know how diverse microorganisms and macroalgae are? What is their application significance?* Forum was attended by 3000 participants: councillors of local authorities, Poznan’s residents and pupils of the school.
7. AMU: European Research’s Night – AMU, the Collegium Biologicum, Faculty of Biology AMU Poznan, Poland, 30/09/2022. A series of workshops was held under the theme: *From a test tube to an ecosystem. How science saves the planet?* (included 2 workshops and a short

- field trip). In addition, an exhibition was held: *Bioindicators - a treasury of information about the environment*. Forum was attended by 3200 participants: councilors of local authorities, Poznan's residents and pupils of the school.
8. Videofilm thumbnail have been prepared to make the video more attractive and increase visits. Video was promoted among NRC researchers, S. Daukantas gymnasium, personal contacts in the society.
 9. NRC: Festival of Green Ideas at the Presidential palace, Vilnius, Lithuania, 05/06/2022
 10. NRC: event for society "Laboratory for Developers of a Sustainable Future. WASTE FREE. 2022", Klaipėda, Lithuania, 10/06/2022.
 11. Specialised handout materials for various events have been prepared to increase the interest to the project: badges, stickers, puzzles – for children, t-shirts with picture „Mark the blooming lake“, small packages with macroalgae as fertilisers. AMU provided the creams they are testing to show to the society.
 12. AMU: XI Night of Biologists – Biodiversity from gene to ecosystem (Noc Biologów – Różnorodność biologiczna: od genu po ekosystem), Poznań, Poland, 14/01/2022. Advertising the project in the forum of national participants, 420 participants.
 13. 5th National Competition for children from primary schools „Science – I like it” („Science – lubię to”), Poznań, Poland. 05/03/2022. Advertising the project in the forum of national participant, 72 participants (teachers and pupils).
 14. Communication with the society of Anykščiai city during macroalgae biomass collection (~ 20 persons) and during cyanobacteria testing (9 persons) at Kaunas yacht club in September-October, 2019-2021.
 15. NRC: Communication with community of Lithuanian school "Bitė" from United Kingdom, 08/2021 (13 pupil, 7 adult).
 16. NRC: Lecture and training seminar on eutrophication and its consequences, water quality determination to community of Simnas Gymnasium, 04/06/2019, about 25 pupils, 5 adult.
 17. NRC: National Science Festival "Spaceship Earth", Vilnius, Lithuania, 17/09/2019. Lectures and workshops "Blooms in freshwaters: is it safe to bath in Lithuanian lakes", 53 participants.
 18. Lecture and workshop: ERASMUS +, „CLEAN WATER CLEAN FUTURE” („CZYSTA WODA CZYSTA PRZYSZŁOŚĆ”). Primary School nb 1 in Kaszów, Poland. Students from Portugal, Macedonia, Turkey, Romania, Poland, ca. 40 students and teachers, 2022.

3. Media interviews

Popular publications on various topics of the project activities were published in different newspapers and news portals. These popular papers were published not only in local newspapers, but also in news portals that have a large audience of readers (TVN24, Rzeczpospolita, 15min.lt, Delfi.lt, TV3.lt, LRT.lt). In total 25 publications were published.

Interview in media – 24 interview in different broadcast channels such as radio, TV, news portals (TVN24, TVP3, Radio Wagrowiec, Radio Eska, WTK television, RTP PLAY, TV EUROPA „Ūkininkas Jurgis“, LRT PLIUS „Mokslo sriuba“, LRT.LT, TV3, LRT.LT „Labas rytas, Lietuva“etc.).

POPULAR PAPERS

1. „Žydintys“ dumbliai – naudingas išteklius naujame Lietuvos LIFE projekte". 2018. *15min.lt*, published 2018-08-03. https://lifeprojektai.lt/publikacijos/straipsniai-spaudoje/zydintys-dumbliai-naudingas-isteklis-naujame-lietuvas-life-projekte-_-15min.lt.pdf/@@inline-view
2. "Pažymėk žydintį vandens telkinį" 2020. *Jonavos žinios*, published 2020-07-01. <https://www.jonavoszinios.lt/naujiena/pazymek-zydinti-vandens-telkini>
3. Kasperovičienė J., Koreivienė J., Karosienė J. 2020. Vandens telkinių "žydėjimai" klimato kaitos kontekste: grėsmės ir sprendimai. – *Žaliasis pasaulis*, published 2020-07-22. <https://zpasaulis.lt/vandens-telkiniu-zydejimai/>
4. Karosienė J., Koreivienė J., Kasperovičienė J. 2020. Vandens „žydėjimai“ – ar saugu maudytis Lietuvos vandens telkiniuose? – *15min.lt*, published 2020-08-06. <https://www.15min.lt/naujiena/aktualu/lietuva/vandens-zydejimai-ar-saugu-maudytis-lietuvas-vandens-telkiniuose-56-1356698>
5. Karosienė J., Koreivienė J., Kasperovičienė J. 2020. Vandens „žydėjimai“ – ar saugu maudytis Lietuvos vandens telkiniuose? – *Suvalkietis*, published 12/08/2020.
6. "Vandens "žydėjimai" – ar saugu maudytis Lietuvos vandens telkiniuose?" laikraštyje "Švenčionių kraštas" 2020-08-12
7. "Šventosios upėje renkama perteklinė dumblių biomasė". 2020. *Anykšta*, published 2020-08-12.
8. Koreivienė J., Kasperovičienė J., Karosienė J. 2020. Gamtai draugiškų priemonių įvaldymas vandens „žydėjimų“ švelninimui ir tvariam gamtinių resursų naudojimui. – Vilniaus miesto savivaldybės internetinis puslapis, published 2020-10-02. <https://aplinka.vilnius.lt/gamtai-draugisku-priemoniu-ivaldymas-vandens-zydejimu-svelninimui-ir-tvariam-gamtiniu-resursu-naudojimui/>
9. Wilk-Woźniak E., Koreivienė J., Krztoń W., Walusiak E., Kustosz D., Łaciak M., Karosienė J., Kasperovičienė J., Messyasz B., Łęska B., Pankiewicz R., Juškaitė L., Zagorskis A., Gulbinas Z., Valskys V. 2020. Sinice i glony pomogą złagodzić skutki globalnego ocieplenia - projekt LIFE. – *Chrońmy Przyrodę Ojczystą*, 76 (1): 66–76. <https://www.iop.krakow.pl/pobierz-publicacje,1853>
10. "LIFE programa padės įgyventi Europos žaliąjį kursą". 2021. *15min.lt*, published 2021-03-25
11. "Šventosios upėje surinkta daugiau nei tona dumblių". 2021. *Anykšta*, published 2021-10-02.
12. *Žaliasis pasaulis*: Kasperovičienė J., Karosienė J., Koreivienė J. Melsvabakterės. Ar jos "žydės" po gilios, šaltos žiemos vandens telkiniuose vasarą? 18/03/2021. Access: https://zpasaulis.lt/vandens-telkiniu-zydejimai/?fbclid=IwAR2obxfOv31KDtOyUySv72JiJnchsKNj5qt_tcxw4x1maG7fxMaygtg_xKw.
13. Koreivienė J., Karosienė J., Kasperovičienė J., Savadova-Ratkus K. 2022. Pasakė, ar tinka žvejoti „žydinčiame“ vandens telkinyje: pažiūrėkite, kaip atrodo jame sugautos žuvies kepenys. – *Delfi Grynas*, published 2022-07-26. <https://www.delfi.lt/kablys/zvejyba/pasake-ar-tinka-zvejoti-zydinciame-vandens-telkinyje-paziurekite-kaip-atrodo-jame-sugautos-zuvies-kepenys.d?id=90809241>
14. Wilk-Woźniak E. 2022. Sposób na kłopotliwe zakwity. *Chrońmy Przyrodę Ojczystą*, Instytut Ochrony Przyrody Polskiej Akademii Nauk 78 (3): 40-41.

15. „Įspėja dėl maldynių Lietuvoje: toks vanduo ypač pavojingas sveikatai“. 2022. *TV3.lt*, published 2022-07-01.
16. „Kauno marios užtvindė maurai“. 2022. *Kauno diena*, published 2022-07-08
17. „Kauno mariose pristatytas įrenginys, galintis sumažinti vandens „žydėjimo“ problemą“. 2022. *LRT.lt*, published 2022-09-07.
18. „Kauno mariose pristatytas įrenginys, galintis sumažinti vandens „žydėjimo“ problemą“. 2022. *15min.lt*, published 2022-09-07.
19. „Žaliuojančios Kauno marios sulaukė pagalbos“. 2022. *Kauno diena*, published 2022-09-08.
20. „Kauno mariose pristatytas įrenginys, galintis sumažinti vandens „žydėjimo“ problemą“. 2022. *Elektronika*, published 2022-09-08.
21. „Kauno mariose pristatytas įrenginys, galintis sumažinti vandens „žydėjimo“ problemą“. 2022. *Sodo spalvos*, published 2022-09-14.
22. Messyasz B. 2021. „Innowacyjny zbiór biomasy glonów – międzynarodowa myśl technologiczna nabiera rozpędu” [Innovative harvesting of algae biomass - international technological thought is gaining impetus]. *Merkuriusz*, XI: 22-23.
23. INC: Program LIFE dla nauki i środowiska: - rp.pl – newspaper Rzeczpospolita, 07/06/2023. Access: <https://klimat.rp.pl/klimat/art38581921-program-life-dla-nauki-i-srodowiska>.
24. AMU: Messyasz B. Wodnie zniwa. Polish for local newspapers: Życie Uniwersyteckie, 27/08/2021. Access: <https://uniwersyteckie.pl/nauka/prof-beata-messyasz-wodne-zniwa-video>.
25. "Patent na "sinozielony kozuch". Jak działa kombajn wodny?" w TVN24

INTERVIEWS TO MEDIA

1. Interview to portal lrytas.lt: „How dangerous is the blooms of water bodies? (06/2019) (*in Lithuanian* „Kuo pavojingas vandens telkinių žydėjimas?“). Access: <https://www.lrytas.lt/gamta/eko/2019/06/03/news/kuo-pavojingas-vandens-telkiniu-zydejimas--10597965/>
2. Advertisement of the Project Algae Service for LIFE in video created by EPMA (02/2019). Access: https://www.youtube.com/channel/UC3cXtxJme_w8ul943_oIWCO
3. Europa TV has made two video about the project activities. Video are uploaded to YouTube: (1) <https://www.youtube.com/watch?v=Oku6XZAg9FA> and (2) <https://www.youtube.com/watch?v=0OXA9jmu5sY&t=1087s>.
4. Video interview to LRT „Labas rytas, Lietuva“ 27/07/2022 (13:50 min.) Access: <https://www.lrt.lt/mediateka/irasas/2000225432/labas-rytas-lietuva-i-d-darbuotoju-poreikiu-tyrimas-is-darbdaviu-daugiausiai-siekiamo-emocines-geroves>
5. Video interview to TV3 News 02/09/2022. Access: <https://play.tv3.lt/Ghost%202/tv3-zinios,serial-2500943/2022-m-rugsejo-4-d-1830-val-irasas,episode-4570834>.
6. Video interview to LRT „Laba diena Lietuva“ 17/09/2022.
7. Video interview to LRT „Mokslo sriuba“ 15/09/2022, Access: <https://www.youtube.com/watch?v=XwSkAbtQuk4>
8. Interview to TVN24 – Jak pozbyć się sinic i makroglonów? Naukowcy mają na to patent: kombajn wodny - TVN24. Published 13/08/2022 as a Premium TVN24
9. NRC Interview about eutrophication provided to the news portal 13/06/2022.
10. Interview for Radio Eska, “Scientists have created a harvester that will collect cyanobacteria

- and algae from the water surface!”. 03/09/2021, time: 8:28. Access: <https://www.eska.pl/poznan/naukowcy-stworzyli-kombajn-ktory-bedzie-zbierac-z-powierzchni-wody-sinice-i-glony-aa-97BM-hdKa-DUBB.html>
11. Video relation of work of harvester in Wągrowiec in YouTube Channel: Cyanobacteria and algae harvester (posted on 31/08/2021; ~1600 views on 04/09/2021)
 12. INC. The interview for a Polish 24-hour commercial news channel TVN24. Being a part of the TVN Network, TVN24 has been owned since July 2017 by US-based TV content provider Discovery.
 13. AMU interview to AMU newspaper “Życie Uniwersyteckie”, 29/07/2021.
 14. Scientists from AMU co-created a map of cyanobacteria, 03/08/2021. Access: <https://uni.uniwersytetecskie.pl/nauka/naukowcy-z-uam-wspoltworza-mape-sinic>.
 15. Interview to Radio Eska, 04/08/2021. Access: <https://www.eska.pl/poznan/sinice-pod-lupa-poznanskich-naukowcow-z-uam-aa-WMR6-MGhL-u1Mm.html>
 16. Scientists collect information about cyanobacteria. Radio EMAUS dobre radio (Adrian Wojtasz), 04/08/2021. Access: <https://radioemaus.pl/aktualnosci/naukowcy-zbieraja-informacje-o-sinicach/>
 17. Interview “Polish-Lithuanian study of cyanobacteria. Anyone can help...”, Jacek Piechota, TVP3 Poznań, 04/08/2021. Access: <https://poznan.tvp.pl/55205832/polskolitewskie-badania-sinic-pomoc-moze-kazdy>
 18. Interview to Radio S, 05/08/2021
 19. Interview to WTK Television, 06/08/2021
 20. Interview “Cyanobacteria can be very useful”, Information Service Ten Poznań, 08/08/2021. Access: <https://tenpoznan.pl/poznan-sinice-moga-byc-bardzo-pozyteczne-twierdza-naukowcy>
 21. Interview to Melo-radio, 10/08/2021
 22. Interview to Polskie Radio Czwórka, 17/08/2021
 23. Interview to Radio Wągrowiec, 30/08/2021
 24. Interview for Radio Eska, “Scientists have created a harvester that will collect cyanobacteria and algae from the water surface!”, 03/09/2021, time: 8:28. Access: <https://www.eska.pl/poznan/naukowcy-stworzyli-kombajn-ktory-bedzie-zbierac-z-powierzchni-wody-sinice-i-glony-aa-97BM-hdKa-DUBB.html>

4. Video

During the project implementation 10 video (including project video) were created and posted in the YouTube.

VIDEO MATERIAL

1. Video film with soundtrack in LT (with subtitles in EN) about the project was created (author: Žydrūnas Sinkevičius): <https://www.youtube.com/watch?v=XGMveE3jRzg&t=55s>
2. Video report in Portugal TV programme (RTP) about the project was broadcasted with Portuguese public broadcasting company, that is producing a number of documentary-series about European Green Capitals and sustainability Eu-funded projects: https://www.rtp.pt/play/p8717/e591077/de-lisboa-a-estocolmo#google_vignette
3. AMU prepared video clip “Water Reaper”: <https://hydro-new.home.amu.edu.pl/en/life->

- [application-project/?doing_wp_cron=1632402151.1276030540466308593750](https://www.youtube.com/watch?v=TjU8sXGG2Pw&t=116s)
4. Welcome speech of the European Commissioner Virginijus Sinkevičius
<https://www.youtube.com/watch?v=TjU8sXGG2Pw&t=116s>
 5. Welcome speech of prof Liudas Mazylis (demonstration seminar in the Kaunas Reservoir)
<https://www.youtube.com/watch?v=Du4m0yxBI2o>
 6. Recording of the demonstration seminar in the Kaunas Reservoir 2022 09 06
<https://www.youtube.com/watch?v=HI5KzcTD-IE&t=3s>
 7. LIFE programme AlgaeService for LIFE presentation
<https://www.youtube.com/watch?v=gv4aHWyrcaU>
 8. LIFE projektai https://www.youtube.com/watch?v=Xi_m3TBc-w
 9. Demonstration event in Krakow, 2021-08-25
<https://www.youtube.com/watch?v=sVizMUOgqqA>
 10. Algae Service for LIFE_AS-S <https://www.youtube.com/watch?v=MHDub3juGf4>

5. Other dissemination material

ADVERTISEMENT ON EU LEVEL

1. CINEA PUBLICATION: How LIFE uses algae to create valuable products.
https://cinea.ec.europa.eu/news-events/news/how-life-uses-algae-create-valuable-products-2023-01-20_en
2. CINEA PUBLICATION: Making water fit for LIFE. https://cinea.ec.europa.eu/news-events/news/making-water-fit-life-2023-03-22_en
3. Participation at EU4Algae: European Stakeholder platform (WG 2. Microalgae Production, WG 4. Algae for Feed, WG 5. Ecosystem Services / Bioremediation; joined to WG6: Materials / Chemicals / Bioactives and Algae Biorefining)
4. LIFE project presentation during the European Algae Biomass Association webinar 08/07/2021. Application for becoming the member of the association has been submitted.

INFORMATION ABOUT PROJECT AND ITS ACHIEVEMENTS ON WEBSITES

- <https://www.facebook.com/InstytutOchronyPrzyrodyPAN>;
- https://www.iop.krakow.pl/aktualnosci_1_31,2021.html;
- <https://ilot.lukasiewicz.gov.pl/lukasiewicz-instytut-lotnictwa-wlacza-sie-w-europejski-projekt-oczyszczania-wod-i-gospodarki-cyrkulacyjnej/>

INFORMATION ABOUT PROJECT AND ITS ACHIEVEMENTS ON FACEBOOK

- INC project announcements on Facebook portals:
 - [Instytut Ochrony Przyrody Polskiej Akademii Nauk | Facebook](#) (INC, PAS), 60 visitors,
 - [Nauka w Polsce | Facebook](#) (Science in Poland), 9 visitors,
 - [Polska Akademia Nauk | Facebook](#) (Polish Academy of Sciences), 201 visitors.
- AMU project announcements on Facebook portals:
 - Facebook 03/08/2021 <https://www.facebook.com/amupoznan/posts/1729447797212327>

(74 react to post: 74 likes)

- <https://ru.linkedin.com/school/uniwersytet-im.-adama-mickiewicza-w-poznaniu/> (React to post: 34 likes, 2 comments)
- Information letter to all AMU workers and PhD students (7000 readers)
- Facebook of Faculty of Chemistry (AMU) on 16/08/2021
- Facebook of Gmina Wągrowiec on 31/08/2021 (Community Wągrowiec)
- <https://ar-ar.facebook.com/gm.wagrowiec.oficjalny.profil/videos/prezentacja-kombajnu-do-zbioru-glon%C3%B3w-i-sinic/4355772474491339>