











Baltic GEnvironment

# CLEANING POLISH WATER FOR

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> AlgaeService for LIFE No. LIFE17 ENV/LT/000407 Institute of Nature Conservation, Polish Academy of Sciences

Prototype AS-S



## **INC PAS tasks**

- B.1. Biomass quality testing.
- B.2. Testing prepared methods for cyanobacteria scums, macroalgae mats biomass evaluation in situ and water quality analysis using traditional and distant methods.
- C.1. Monitoring of impact of the project action on ecological and economic benefits based on harvested algal biomass
- D.1. Raising awarness and dissemination of the project results on national and international levels
- D.2. Replication and transfer of the project results
- E.1. Project management and monitoring of the project progress



#### Tyniec oxbow lake, Podgórki Tynieckie

50°01'32.0"N 19°48'45.1"E

Podkamycze ponds

### WATER BODIES

#### 50°05'07.5"N 19°49'58.4"E

Paprocany, Tychy

50°05'02.3"N 18°58'52.5"E





**B.1.2. Biomass quality testing** 











## B.1.2. Biomass quality testing - cyanotoxins







B.2. Testing prepared methods for cyanobacteria scums, macroalgae mats biomass evaluation in situ and water quality analysis using traditional and distant methods

![](_page_7_Picture_3.jpeg)

![](_page_7_Picture_4.jpeg)

#### Oxbow lake Tyniec 2

Wizualizacja szacowanej ilości suchej masy sinic w Starorzeczu Wisły w Tyńcu metodą Random Trees

![](_page_7_Figure_7.jpeg)

C.1. Monitoring of the impact of the project actions on ecological and economic benefits based on harvested algal biomass

![](_page_8_Figure_1.jpeg)

C.1. Monitoring of the impact of the project actions on ecological and economic benefits based on harvested algal biomass

![](_page_9_Figure_1.jpeg)

![](_page_10_Picture_0.jpeg)

D.1. Raising awarness and dissemination of the project results on national and international levels

<u>(20+) Instytut Ochrony Przyrody Polskiej</u> Akademii Nauk | Facebook 20+) Nauka w Polsce | Facebook

20+) Polska Akademia Nauk | Facebook

100 ENG leaflets 200 PL leaflets

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#### 1 popular paper

ArcGIS application "Mark a blooming water body" (https://arcg.is/0jqvCn)Interactive map (https://arcg.is/1v5faT)

Questionnaire "Water blooms"

### D.2. Replication and transfer of the project results

- LIFE information day in Warsaw, 17 April 2019,
- project presentation;
- - The 38th International Conference of the Polish
  - Phycological Society "Evolution and biodiversity of algae", Kielce-Sandomierz, 4-7 June 2019, Poland, poster presentation;
  - NatoxAq. Natural Toxins: Environmental Fate
  - and Safe Water Supply, international conference, 24-25 September 2020, Czechia, oral presentation
- 40th EARSeL Symposium, 7-10 June 2021, Workshop held by M. Spiralski Aviatory Institute

The meeting of the Working Group on Water and Wastewater Manager and Wastewater Management within the national network of environmental authorities and institutions managing EU funds "Partnership: Environment for Development" -National Water Management Authority, 15 July 2021, Poland, oral presentation

# E1. Project management and monitoring of project progress

Welcome to mid-term meeting and demonstration event Kraków, Hotel Wolski 24.08.-27.08.2021

![](_page_12_Picture_2.jpeg)

![](_page_12_Picture_3.jpeg)

![](_page_12_Picture_4.jpeg)

## Mid-term report

http://algaeservice.gamtostyrimai.lt/wpcontent/uploads/2021/07/AlgaeService\_for-LIFE\_Mid-term-Report.pdf

![](_page_14_Picture_0.jpeg)

The **"Algae Service for LIFE"** project (LIFE17 ENV/LT/000407) is supported by the EU LIFE Programme and co-financed by the Ministry of Environment of the Republic of Lithuania, the National Fund for Environmental Protection and the Water Management in Poland, and by the project partners. The content of this publication does not reflect the official opinion of the European Union. Responsibility for the information and view expressed therein lies entirely with the authors.