

# LIFE INTEGRĒTĀ PROJEKTA PIETEIKUMS

Upju baseinu apgabalu apsaimniekošanas plānu  
ieviešana Latvijā

## Tematiskā grupa Punktveida piesārņojuma samazināšana

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LATVIJAS VIDES, ĢEOLOĢIJAS  
UN METEOROLOĢIJAS CENTRS



# LIFE Integrētā projekta vispārējais mērķis

- ▶ Veikt riska ūdensobjektu stāvokļa uzlabošanu visā Latvijā, ieviešot Upju baseinu apgabalu apsaimniekošanas plānos paredzētos papildus pasākumus

# Apakšmērķi:

- ▶ Samazināt punktveida piesārņojumu riska ūdensobjektos (kopā identificēti 58 upes un 61 ezers)
- ▶ Samazināt izkliedēto piesārņojumu riska ūdensobjektos (kopā identificēti 44 upes un 31 ezers)
- ▶ Samazināt hidromorfoloģisko pārveidojumu ietekmi uz riska ūdensobjektiem (kopā identificēti 63 upes un 18 ezeri)
- ▶ Uzlabot ūdens apsaimniekošanas un plānošanas sistēmu
- ▶ Nodrošināt informācijas izplatīšanu un kapacitāti piesārņojumu slodžu samazināšanai

## Būtiskākie rezultāti:

- uzlabots riska ūdensobjektu stāvoklis vai – gadījumā, ja labu stāvokli sasniegt nav iespējams – pamatoti izņēmumi (zemāki mērķi vai ilgāks sasniegšanas termiņš);
- ūdeņu stāvokļa uzlabošanas pasākumu demonstrēšana un pieredzes pārnese/rekomendācijas pārējiem ūdensobjektiem, kuros arī ir vajadzīgi uzlabojumi.

# Plānotais projekta ilgums un budžets

- ▶ projekta ilgums - 8 gadi (2020.g. - 2027.g.)
- ▶ Plānotais projekta budžets - 14 575 400,00 EUR
- ▶ LIFE - 8 746 240 EUR (60% )

# Būtiski aspekti

- ▶ Projekta ilgums 8 gadi (4 fāzes), **katra fāze ilgst 2 gadus. Detalizēts budžets pirmajiem 2 gadiem. Pārējiem indikatīva summa katrā budžeta pozīcijā;**
- ▶ Katram partnerim jābūt atbildīgam vismaz par vienu aktivitāti
- ▶ No katra partnera būs nepieciešams parakstīts līdzfinansējuma apliecinājums (8 gadiem)!
- ▶ Nepieciešamas papildinošās aktivitātes un to finansējums. Nepieciešams apliecinājums, ka papildinošais finansējums tiks nodrošināts (tādā apjomā un tādā periodā...) no atbildīgās institūcijas!
- ▶ Projekta rezultātā jābūt uzlabotam stāvoklim vismaz 9 ūdens riska objektiem, īstenojot praktiskas un inovatīvas aktivitātes
- ▶ Iesniegšana 2019.gada 14.martā

# Punktveida piesārņojums Aktivitātes

## A Sagatavošanās aktivitātes:

- ▶ **A1 Inspection and assessment of domestic waste water impacts on water bodies at risk, development of action plans and elaboration of technical solutions**

### Sub-actions:

- ▶ A1.1. Inspection and analysis of **decentralized sewer systems** and small wastewater treatment plants (with a capacity of less than 5 m<sup>3</sup> of wastewater per day) in small villages or residential areas discharging wastewater in a water body at risk, analysis of their operation, impacts on the water body status and necessary improvements, development of the action plans and elaboration of technical solutions for minimization of the identified risks (**2-3 pilot areas necessary for detailed analysis**).

*\* Vai decentralizētās sistēmas nepieciešams likt kā atsevišķu apakšaktivitāti?*

- ▶ A2.2. Inspection and assessment of the seasonal changes of waste pollution pressures originating in small settlements or garden colonies (caused by influx of tourists, holiday-makers (bathers), summer residents, etc.) and their impact on water bodies at risk; development of guidelines for municipalities and individual proprietors on the measures and technical solutions to reduce such seasonal impacts (**3 demo water bodies selected for detailed analysis - E214 Lilastes lake, G261SP Aģe and G264 Aģe**)

- ▶ *Kritēriji demo objektu izvēlei - ?*

- ▶ *Laika grafiks - ?*

- ▶ *Atbildīgais partneris: LŪKA/RTU*

- ▶ *Iesaistītie partneru un to atbildība - LVĢMC, VARAM*

- ▶ A2 Inspection and assessment of historical point source pollution in lakes - water bodies identified as being at risk; identification of the reasons of all kinds of adverse impacts preventing achievement of a good status and development of recommendations for lake management and technical solutions (*1-2 demo water bodies selected - E221 Limbažu Lieliezers, E155 Lielais Stropu lake*)
- ▶ *Kritēriji demo objektu izvēlei, īpašumtiesības*
- ▶ *Laika grafiks -*
- ▶ *Atbildīgais partneris: BIOR*
- ▶ *Iesaistītie partneri: LVĢMC, LDF*

- ▶ A3 Collection and assessment of the information on water users that abstract drinking water from individual boreholes and development of practical recommendations on ensuring the quality of such drinking water
- ▶ *Atbildīgais partneris: RTU*
- ▶ *Iesaistītie partneri: LVĢMC, LŪKA*
- ▶ *LAIKA GRAFIKS .....*
- *Vai saistās ar kādu tematiskajiem blokiem: punktveida, difūzais, hidromorfoloģija?*
- *Vai labāk neiekļaut zem Improvement of river basin management planning?*



## C Īstenošanas aktivitātes:

- ▶ C1 Implementation of demonstration projects for diminishing domestic waste water impacts on water bodies at risk

### Sub-activities:

- ▶ C1.1. Implementation the demonstration projects that establishes innovative waste water treatment solutions in small settlements/ point sources discharging in the water body at risk according to assessments and solutions developed under A1.1. (2-3 demo water objects);
- ▶ C.1.2. Implementation of the demonstration projects to reduce the seasonal pollution caused by a small settlement or a garden colony (practical measures according to the action plans and solutions developed under action A1.2. (2-3 demo water objects)
- ▶ *Demo objektu īpašumtiesības, tiesības veikt darbības - pašvaldības*
- ▶ *Atbildīgais partneris: LVĢMC?*
- ▶ *Iesaistītie partneri: objektu pašvaldības, LŪKA, LDF, vēl varianti???*

- ▶ C2 Implementation of the comprehensive best practice project aimed at improving ecological quality of lake - water body at risk, where risk is mainly caused by historical pollution - improvement of lake functionality, including surrounding areas, buffer zones, measures aimed at ensuring favorable conditions for waterflow (*1 or 2 demo water body - lakes - E221 Limbažu Lielezers, E155 Lielais Stropu lake*);
  - ▶ *Atbildīgais partneris: BIOR ?*
  - ▶ *Iesaistītie partneri: objektu pašvaldības, LVGMC, LDF, WWF LATVIJA...*
- ▶ C3 Development of the sewage sludge management strategy (to promote using of sewage sludge in agriculture, landscape improvement and recultivation, and product manufacturing) - *a study of the technical and economic feasibility of various management options and development of the strategy and recommendations for management of sewage sludge in the national/regional/local level*
  - ▶ *Atbildīgais partneris: LŪKA*
  - ▶ *Iesaistītie partneri: VARAM, LLU, Silava, ZM*

- ▶ C4 Development of binding requirements aimed to decrease pollution and impacts caused aquaculture and quarries (assessment of the pollution and other adverse impacts (e.g. spread of non-native species), development of requirements);
- ▶ **Atbildīgais partneris: VARAM**
- ▶ **Iesaistītie partneri: LVĢMC, BIOR, LDF**

# D Monitorings punktveida piesārņojuma samazināšanas pasākumiem

- ▶ Tiks iekļauts kopējā monitoringa aktivitātē:
- ▶ D1 Development of monitoring schemes and implementing quantitative and qualitative evaluation of project results, techniques and methods demonstrated and progress made in implementation of RBMPs and WFD

*Attiecībā uz punktveida piesārņojumu, nepieciešams paredzēt:*

- ▶ *Monitoringa vadlīniju izstrāde/metodoloģija*
- ▶ *Laiku un resursus monitoringa veikšanai*
- ▶ *Pieteikumā nepieciešams apraksts un demo vietas (vai tās pašas, kurās tiks veikts demonstrējums?)*
- ▶ *Iesaistītie partneri: LVĢMC, BIOR, VARAM, LŪKA, citi....*

# Papildinošās aktivitātes Punktveida piesārņojuma samazināšanai

- ▶ CA 2. Further improvements (extension and reconstruction) of the centralized waste water collecting systems in agglomerations where the population equivalent is larger than or equal to 2000 (OP “Growth and Employment” specific objective 2.5.3.1.); (*supplementary measure A1.1. in all RBMPs*). Responsible beneficiary: Ministry of Environmental Protection and Regional Development; Financial source: CF; Financial source: CF, Financial amount: 30 000 000 EUR;
- ▶ *Paredzams, ka būs pasākumi arī nākamajā plānošanas periodā. Nepieciešams apliecinājums no atbildīgās institūcijas!*
- ▶ CA 4. Investments in improvement of ecological status of water bodies (public lakes and rivers in possession of the municipalities); (Latvian Fund of Environmental Protection Grant “Management of public waters” (development of water bodies management plans/practical activities in water bodies); (*supplementary measure A6.7. in LRBMP and DRBMP and A6.5. in VRBMP and GRBMP*); Responsible beneficiary: Ministry of Environmental Protection and Regional Development; Financial source: Latvian Fund of Environmental Protection, municipal budget; Financial amount: 3 000 000 EUR;
- ▶ CA 5. Reduction of historical pollution (remediation measures) related to water bodies (*supplementary measure A3.1. in all RBMPs*); Responsible beneficiary: state and municipal public bodies; Financial source: Norwegian Financial mechanism 2014-2021 Adaption of Climate change; state and municipal budget; Financial amount: 11 000 000 EUR;

- ▶ **CA 12. Better Efficiency for Industrial Sewage Treatment;** Responsible beneficiary: City of Helsinki Environment Services, Main Latvian Partner - Riga Technical University; Financial source: ERDF (INTERREG BSR project “BEST”), Financial amount: 257901 EUR for Latvia (2017 - 2020);
- ▶ **CA 13. Water Technology Innovation Roadmaps.** Responsible beneficiary: Wetsus - European center of excellence for sustainable water technology, Latvian partner - Riga Technical University; Financial source: ERDF (INTERREG Europe project “iWatermap”), Financial amount: 161600 EUR for Latvia (2018-2021)

*\*Sasaiste ar upju baseinu apsaimniekošanas plānu pasākumiem*

*\* Nepieciešams apliecinājums par finansējuma pieejamību no partnera - RTU*

# Demo/pilotaktivitāšu noformējums pieteikumā

Action	Pilot/Demo water object	Targeted water status improvement/link with RBMP	Restoration/Improvement area (ha, km?)	Restoration/Improvement activities planned	Justification of selection of water object
C2	<i>L153 Īslīce</i>	Achieving good status of surface water body currently at risk <i>Supplementary measures A4.1, A4.2.</i>			