OneAquaHealth

Protecting Urban Aquatic Ecosystems to Promote One Health

oneaquahealth.eu
office@oneaquahealth.eu
@OneAquaHealth
Oneaquahealth
OneAquaHealth Project

Project **Background**

OneAquaHealth is an ambitious project, focused on the challenges that growing global urbanization poses to nature preservation, specifically of freshwater ecosystems, and to human health. It aims to demonstrate how the wellbeing of aquatic ecosystems is highly interconnected in human health urban contexts and the mitigation of disease outbreaks.

With the aim of re-establishing the balance among the ecosystems, OneAquaHealth will promote environmental monitoring of early warning indicators to assess the ecosystem balance and provide decision-makers with tools for enabling adequate and timely decisions. The toolkit will include nature-based measures to recover and maintain aquatic ecosystem health (and thus, human, animal and plant health) in different scenarios, including climate changes.

Throughout the project, OneAquaHealth will involve all relevant stakeholders (environmental agencies, citizens, public health entities) to raise their awareness about the importance of urban streams and rivers and to support them with adequate digital tools, guaranteeing environmental monitoring beyond the project duration.

Project **Objectives**

UNDERSTAND the links between the health of nature, aquatic ecosystems and human health.

IDENTIFY the level of integrity of urban aquatic ecosystems, which allows for the maintenance of human health and wellbeing, animal and plant health.

DETERMINE adequate early warning indicators to assess ecosystem health and predict disease outbreak risks.

INTEGRATE live Earth observation data to monitor early warning indicators.

SUPPORT decision-makers with a tool that allows the selection of measures to act upon early warnings.

ENGAGE stakeholders in the detection of risks contributing to an early warning system.

Project Facts

Duration
01/2023 to 12/2026

Programme
Horizon Europe

Grant Agreement No
101086521

Coordinator
University of Coimbra

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