Special EU Programmes Body
Foras Um Chláir Speisialta An AE
Boord O Owre Ocht UE Projecks

Interreg
Northern Ireland - Ireland - Scotland
European Union
EUROPEAN UNION
European Regional Development Fund

SPECIAL EU PROGRAMMES BODY

Project Case Study: System for Bathing Water Quality Monitoring (SWIM)

THEME:

Managed marine protected areas& species

FUNDING (ERDF+MATCH):
€1,032,233.05

MATCH FUNDERS:
Department of Agriculture, Environment and Rural Affairs and Department of Housing, Planning and Local Government

LEAD PARTNER:
University College Dublin

PROJECT PARTNERS:
Agri-Food and Biosciences Institute (AFBI), Keep Northern Ireland Beautiful

PROJECT CONTACT:
rosemarie.gannon@ucd.ie

Start Date:01/01/2017

End Date:31/12/2020

🌐 **swimproject.eu/**

🐦 **@EUSwim**

f @EUSwim

The System for Bathing Water Quality Monitoring (SWIM) aims to develop a system for the prediction of bathing water quality and install real time signage. This innovative project will enable short-term pollution to be predicted and the information disseminated to the public though a range of media channels, including an app, automatic localised text alerts, web updates, and electronic signage at beach entry points. This will serve to help protect public health, significantly improve communication to members of the public, and in doing so contribute to the promotion of tourism.

"Our funded EU SWIM Project is giving bathers the ability to check live water quality results at nine beaches on either side of the border. Previously, bathers have relied on weekly results published by DAERA/EPA to check water quality. However, these results can become inaccurate by the time bathers are entering the water, due to factors such as heavy rainfall. Bathing in poor quality water can lead to illnesses such as ear infections and stomach bugs. Having the ability to check live bathing water quality will enable bathers to reduce the chance of illness. The project will also help to contribute towards meeting the EU's Bathing Water Directive. Our beneficiaries will include, not only, regular bathers but beach goers such as families, water-sport enthusiasts and youth groups. The information will be easily accessible to the public through an app and website, social media, and electronic beach signs."

Emma Johnston, EU SWIM Project Officer

The EU SWIM Project Team made up of members from UCD Dublin, AFBI and KNIB

Special EU Programmes Body
Foras Um Chláir Speisialta An AE
Boord O Owre Ocht UE Projecks

Interreg
Northern Ireland - Ireland - Scotland
EUROPEAN UNION
European Regional Development Fund

SPECIAL EU PROGRAMMES BODY

Project Case Study: System for Bathing Water Quality Monitoring (SWIM)

THEME:

Managed marine protected areas& species

FUNDING (ERDF+MATCH):
€1,032,233.05

MATCH FUNDERS:
Department of Agriculture, Environment and Rural Affairs and Department of Housing, Planning and Local Government

LEAD PARTNER:
University College Dublin

PROJECT PARTNERS:
Agri-Food and Biosciences Institute (AFBI), Keep Northern Ireland Beautiful

PROJECT CONTACT:
rosemarie.gannon@ucd.ie

Start Date:01/01/2017

End Date:31/12/2020

🌐 swimproject.eu/

🐦 @EUSwim

📘 @EUSwim

"I've been using the Swim app to check the water quality for swimming in various locations around Northern Ireland and across the border. I swim in the sea every day of the year. This app is invaluable to my swim buddies, especially when we're braving choppy seas after heavy rains and high winds! I think it's a fantastic asset to our open water swimming community network."

Marie-Therese Davis-Hanson, regular bather.

Ms. Aurora Gitto, Research Scientist for the Swim Project collecting water samples at Clogherhead beach, Co.Louth.

Key Project Outputs

One system for the prediction of bathing water quality and the installation of real time signage to include:

- **Establishment of a data inventory**
- **Development of bathing water quality prediction models**
- **Equipment infrastructure deployment**
- **Software infrastructure integration**
- **Validation of the water quality prediction model**