Lagoons for LIFE

Newsletter
Issue 6
January 2024

Ria Formosa on 19th April 2022, Sentinel-2 true colour composite
Source: Sentinel-Hub

What have we been up to?

Since our Newsletter Issue 5 (June 2022), L4L have been actively involved in the H2020 CERTO project, which ended in September 2023 and resulted in an open-access data viewer, and several new and improved EO-based products and water quality indicators suitable for coastal lagoons. These outputs have been integrated into a prototype ready for uptake by the Copernicus Services.

The full migration from the old L4L site to the new site was completed in late 2023 and we are now hosted as an initiative under the newly branded Future Earth Coasts website. Our new site includes an interactive map showing URLs to key EO datasets for selected lagoons, globally. The number of lagoons and datasets featured is expected to grow over the coming years based on contributions from you.

We also attended lagoon-related events (see below, and next page).

MONOCLE Stakeholder Workshop, online 16 June 2022

The H2020 MONOCLE project (2018-2022) produced low cost, high-autonomy sensors and platforms for optical water quality monitoring in inland and transitional waters. L4L were invited to the MONOCLE Stakeholder Workshop in June 2022, during which these innovative technologies were showcased, and challenges and solutions were later discussed.

ECFAS European Copernicus Coastal Flood Awareness (Proof-of-Concept) System Demonstration, online 11 November 2022

ECFAS is the European Copernicus Coastal Flood Awareness System, which contributes to coastal flood-related disaster management by sending early-warning and post-event alert messages, producing early assessment products, and monitoring post-storm status of affected coastal environments and assets. Mapping products in support of the 'immediate response phase' for coastal flooding include flood depth and velocity, impacts on assets, land cover and population, and shoreline displacement. A demonstration of the proof-of-concept ECFAS platform took place online in late 2022, which we attended. More information about ECFAS here.

EuroLag10, Gdynia, Poland 19-23 June 2023

Several user-specified indicators to support stakeholders and water resource managers monitor and report the water quality status of their local lagoons and estuaries were presented at the 10th EuroLag symposium, in Gdynia, last summer. Under the auspices of the H2020 CERTO project (2020-2023), 38 users in six case studies across Europe were engaged in an open dialogue about their needs for monitoring water quality. The resulting indicators are based on remote sensing data from the Copernicus Sentinel-2 and Sentinel-3 satellites, are transferable to other lagoon and estuarine environments, are suitable for EU MSFD and EU WFD reporting, and can be freely accessed from here.

Upcoming webinars/training

GEO AquaWatch webinar series
Next webinar entitled "Water Talks: Advancing Diversity and Equity in Aquatic Remote Sensing", 9 February 2024, 16:00 UTC.

NASA ARSET Advanced Webinar (2 hours) "Overview of SeaDAS 8.4.0 for the Processing, Analysis, and Visualisation of Optical Remote Sensing Data for Water Quality Monitoring", 13 February 2024. Register here.

Future events/conferences

60th Meeting of the Estuarine & Coastal Sciences Association (ECSA60) "Implementing Science-Based Solutions and Strategies for Coastal Resilience", 2-5 September 2024 in Hangzhou, China.

ASLO 2024 Meeting "Adapting to a Changing World", 2-7 June 2024, Madison, Wisconsin, USA.

Join Lagoons for Life

Membership is open to anyone with an interest in contributing to the sustainability of the world's coastal lagoons. To join, please contact us.

Contact us:
@Lagoons4Life
Join our emailing list
Website

LAGOONS
for LIFE

futur earth
coasts
land-ocean interactions in the coastal zone

BROCKMANN
CONSULT