



## PROJECT INFO

**Project number:** 101091980  
**Project name:** Single Photon source and detector based on novel materials for the detection of endocrine disruptors  
**Project acronym:** GREENER  
**Call:** HORIZON-CL4-2022-RESILIENCE-01  
**Duration:** 1 January 2023 – 31 December 2025  
**Project website:** [greenerproject.eu](http://greenerproject.eu)

## PARTNERS:

TECHNISCHE UNIVERSITAET CHEMNITZ | FRAUNHOFER | ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOMATERIALES - CIC biomaGUNE | AUREA TECHNOLOGY | THE CIRCLE | WARRANT HUB SPA | SOFTJAM SPA | IFU GMBH PRIVATES INSTITUT FUR UMWELTANALYSEN



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## Physics meets Biology for a Cleaner Planet: GREENER Project Training School

The European-funded GREENER project, aimed at developing innovative water monitoring technologies, has organized the Training School titled “*Physics Meets Biology for a Cleaner Planet*” from **March 25 to 27, 2025, in Genoa, Italy**, as a key initiative to promote interdisciplinary collaboration and the advancement of innovative environmental technologies.

This initiative marks a significant milestone in equipping researchers with specialized scientific knowledge in several scientific fields such as **nanotechnology**, **biomolecular techniques**, and **artificial intelligence**. The Training School focuses on advanced topics tailored to Master students, PhD candidates, and post-doctoral researchers, delving into the principles and applications of quantum dots, single-photon detection, and photoluminescent nanomaterial hybrids.

It also explores innovative **biosensing technologies**, including **optical biosensors** and **DNA origami-based nanostructures**, alongside the integration of artificial intelligence for complex **data analysis** and modelling. Each session is designed to provide participants with practical insights and hands-on experience, ensuring a deep understanding of these cutting-edge techniques and their interdisciplinary applications. By combining lectures, workshops, and opportunities to present personal research, the program fosters a highly collaborative environment ideal for those seeking to advance in these precise scientific domains.

Organized by **Warrant Hub – TINEXTA Group**, **Chemnitz University of Technology** and **Lutech SoftJam**, the Training School offers a unique platform to bridge the fields of physics and biology in the pursuit of innovative environmental solutions. Beyond the academic sessions, participants will also enjoy cultural and social activities, to improve networking and foster collaboration.

We warmly invite interested participants to register and join the Training School *free of charge*.

To secure your spot, please visit the following link: <https://greenerproject.eu/greener-training-school/>.

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