



360 CARLA



Jan 2020 – Jun 2022



Jan 2024 – Jun 2026

The 360 CARLA Consortium







The CARLA camps have been proven to be **successful events that promote careers in photonics**

Most participants were **physics students and researchers**

CARLA participants expressed a wish for **follow-up activities** that include technical content



Need to expand the CARLA program to **engage a broader audience** of students and researchers

Working on expanding the careers camps to **round-up career development programs that focus on photonics applications**

Photonics is growing and so is the need for talent



Europe has a strong photonics industry, but continued growth depends on a skilled workforce.

€124.6 bn

European photonics production volume in 2022

5,000+

companies in the European photonics industry

6.5% annual growth

revenue growth, 2019–2022



INDUSTRY GROWTH

requires

TALENT GROWTH

A growing ecosystem needs a growing talent pipeline.



What is behind the photonics talent gap?



The challenge is bigger than simply finding more people.

EDUCATION & TRAINING

Lack of education and training programmes.

CAREER AWARENESS

Limited awareness of the career opportunities offered by photonics.

PROFESSIONAL PATHS

Unfamiliarity with career paths across industry and academic photonics ecosystems.

RAPID TECHNOLOGICAL CHANGE

Continuous technological evolution requires the workforce to regularly update skills and knowledge.

WORKFORCE & COMPETITION

An ageing workforce and increasing global competition for talent.

DIVERSITY

Insufficient diversity in the talent pool, particularly in terms of gender.

Source: Photonics21, 360 CARLA project description; CARLA project resources.



This project has received funding from the European Union Horizon Europe research and innovation program under grant agreement No 101135838

A colorful, abstract collage background featuring various scientific and technological elements. It includes a woman in a lab coat looking at a computer screen, a satellite in space, a globe, and other figures in professional settings. The colors are vibrant, with reds, yellows, blues, and greens.

360 CARLA aims to engage and make a multidisciplinary and diverse population of university students and early-stage researchers in the pursue of a career in photonics by focusing on photonics market applications.

Our mission is to provide a round-up vision on the professional opportunities within the photonics ecosystem across the four different verticals.

Focused on photonics applications



Manufacturing /
Industry 4.0

Health: Biotech and
Medical Photonics



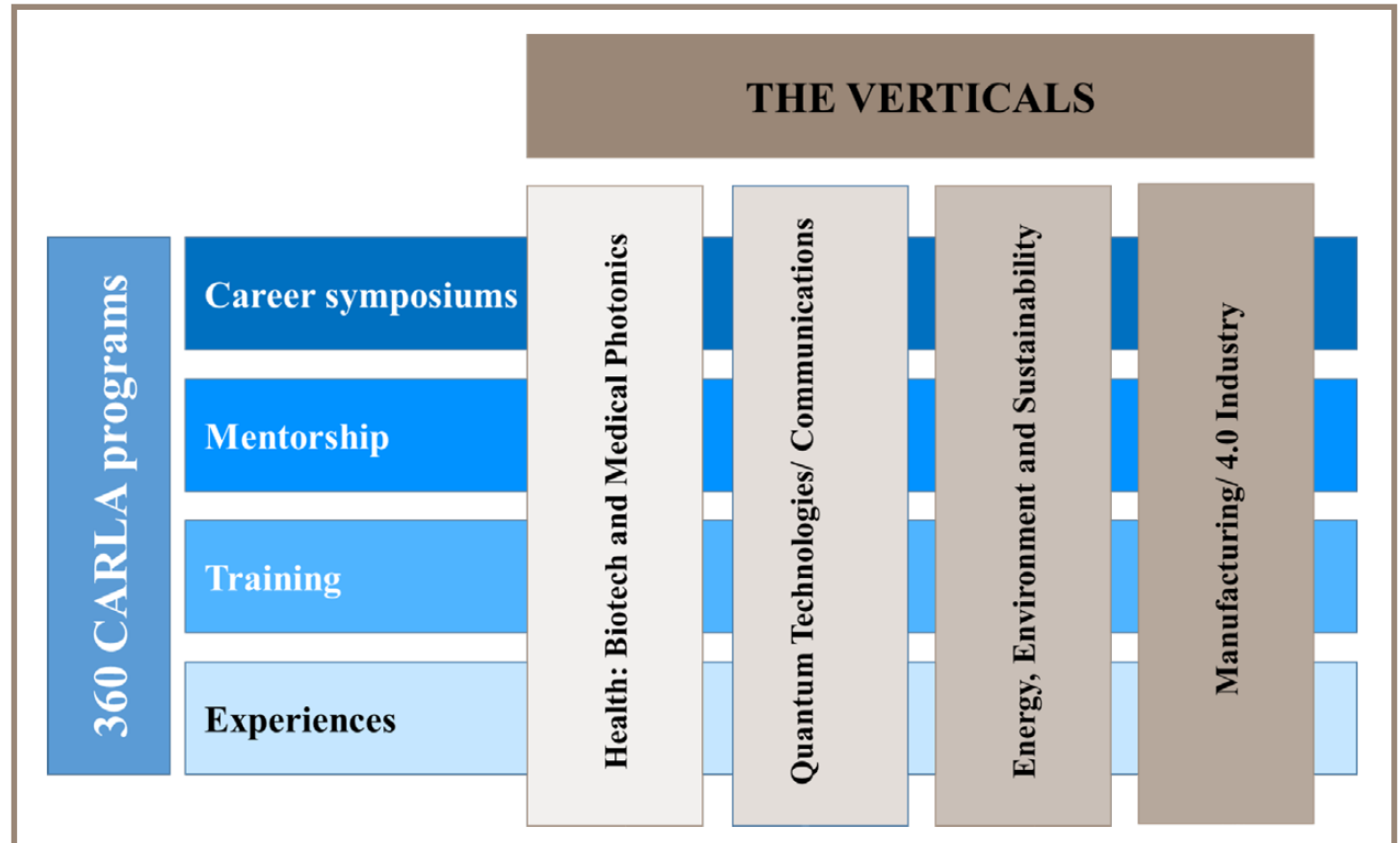
Energy,
Environment
and Sustainability

Quantum Technologies
and Communications



Round up programmes

- Symposia
- Networking and mentorship opportunities
- Trainings
- Innovation and entrepreneurship experiences



<https://carlahub.eu/internships/>





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Internships

360 CARLA creates a centralized database for internship opportunities where European organizations and institutions can promote and give visibility to their internships. It is a new element directed to STEM university students and early-stage researchers to help them find internship offers in the photonics ecosystem.

[Look for Internships](#) [Submit an Internship](#)



Active Internships

Student Research Fellowships

Spain

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Contact information *

Email or Link to application *

Upload additional files

Choose File

No file chosen



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☐

I have understood and agree to the [Privacy terms and Terms and conditions of Use.](#)

Submit Internship

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Thank you!