

1st Newsletter of



GREENByte project

MAY
2026

WELCOME TO GREENBYTE!

We are excited to introduce GREENByte, an innovative Erasmus+ project focused on shaping the future of sustainable digital education.

As the ICT sector continues to grow rapidly, so does its environmental footprint. GREENByte responds to this challenge by promoting Green Software Engineering (GSE) and equipping the next generation of developers with the skills needed to build energy-efficient and sustainable digital solutions.

PROJECT OVERVIEW

GREENByte focuses on integrating sustainability into ICT education, addressing the growing environmental impact of the digital sector.

Through innovative methodologies and collaboration across Europe, the project promotes:

- Energy-efficient programming
- Sustainable software development
- Industry-relevant digital skills

WHAT WE'VE ACHIEVED SO FAR

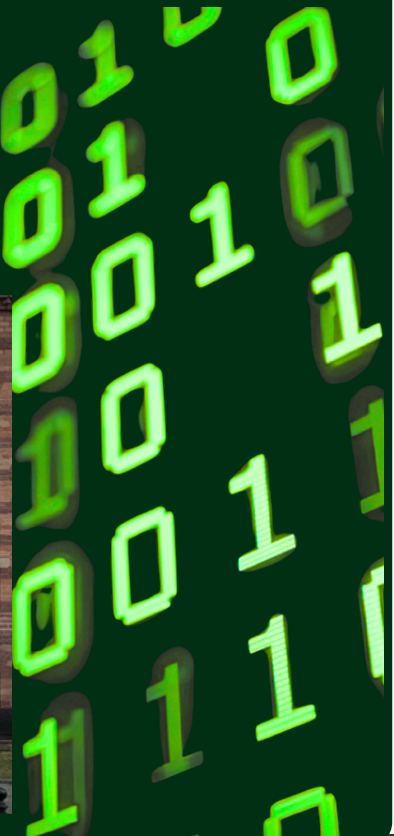
The GREENByte journey officially started with a successful Kick-off Meeting in Krakow Poland during December 2025, hosted by the project coordinator.

During the meeting:

- Partners aligned on project goals, methodology, and timeline
- Key responsibilities and workflows were defined
- A strong foundation for collaboration and communication

was established

This milestone marked the beginning of a dynamic and productive partnership.



WP2 – A2: GSE Skills & Industry Readiness Mapping

A comprehensive analysis was conducted to each partner country engaging 10 tech industry stakeholders, 10 academics, and 20 students via structured questionnaires to assess:

- Current Green Software Engineering skills gaps
- Industry needs and expectations
- Existing educational practices across partner countries

The findings revealed a growing disconnect between academic training and the rapidly changing needs of the ICT sector, particularly regarding green coding and energy-efficient programming skills. At the same time, the analysis highlighted an increasing awareness of sustainable ICT practices and the importance of integrating environmental responsibility into software engineering education.

This activity provided valuable insights into:

- The mismatch between academia and industry
- The urgent need for green coding competencies
- Emerging trends in sustainable ICT

DEVELOPER



WP2 – A3: GSE Skills Blueprint – Bridging Education and Industry Report

Building on the mapping results, the consortium developed the GSE Skills Blueprint Report, a strategic milestone for the GREENByte project. The report identifies the core competencies required in Green Software Engineering, addresses the gap between higher education and labour market needs, and provides a clear framework for the development of future-oriented curricula.

Serving as a key foundation for the next phases of the project, the Blueprint will guide the creation of innovative educational materials, training programmes, and learning activities that promote sustainable software development and green digital skills across Europe.



What's Coming Next

In the coming months, the partnership will focus on:

- Developing the Green Software Engineering Curriculum (GSE Studium)
- Designing and launching the GREENByte Hub with open-access resources
- Preparing upcoming training activities for educators
- Organising the first Byte4Green student activities and mentorship opportunities



Stay tuned as we continue building tools and opportunities that support a more sustainable digital future.

STAY TUNED...



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