



# Engaging Children as Scientists to Explore Sustainability

**Newsletter 2**

November 2024



Co-funded by  
the European Union

Ref. No.: 2023-1-DE03-KA220-SCH-000151314

## Updates from *Superhero Lab*

Welcome to the second newsletter of our Erasmus+ KA220 project “**The Superhero Lab**”. We’re excited to share that we have now reached the 12<sup>th</sup> month of our partnership. Our project is moving full speed ahead **empowering kindergarten teachers across Europe to introduce sustainability concepts through hands-on scientific experiments, sparking curiosity and transforming young learners into “superhero” scientists with a budding love for STEM.**

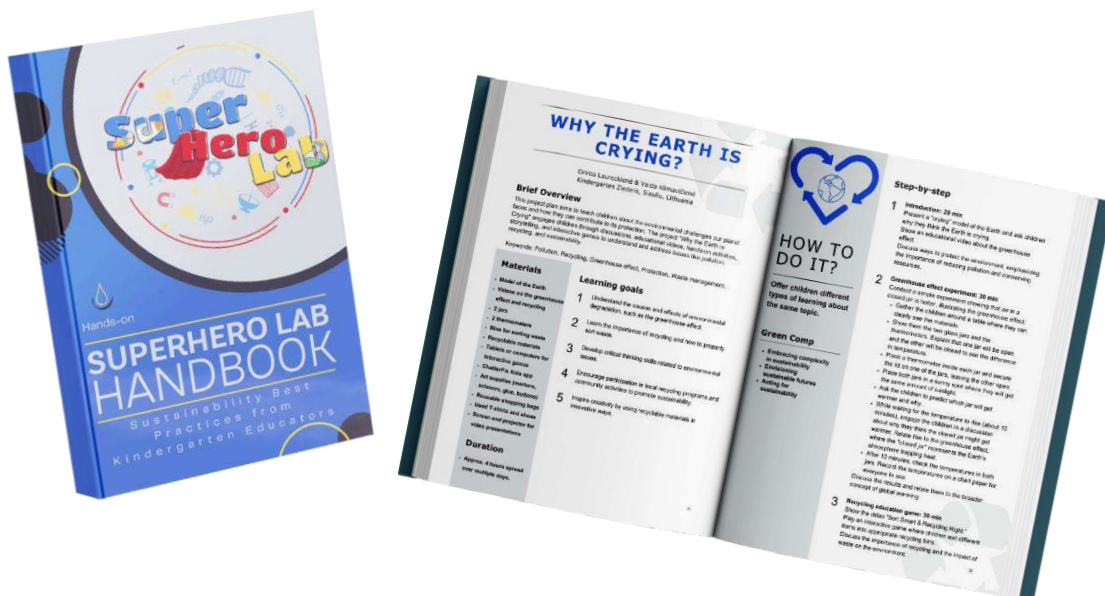
During the past few months, the partners have been diligently working at compiling a **Best Sustainability Practices Handbook**, highlighting sustainable activities from EU kindergartens. In October 2024, the team also held the **2nd on-site workshop in Malmö, Sweden**, featuring study visits and hands-on activities.

Read on for more updates and next steps!

## Best Practices Handbook

We’re thrilled to announce that our **Best Practices Handbook**, a collection of 19 sustainable practices contributed by kindergarten teachers from both our partner kindergartens and external ones is nearing completion! It will soon become available through our project’s website.

These practices have been fully implemented and validated by teachers, providing tried-and-tested approaches for integrating sustainability into early childhood education. The handbook will serve as a valuable resource for teachers worldwide to inspire young learners through practical, eco-friendly activities.



## On-site Workshop in Malmö, Sweden

From October 15-17, Superhero Lab partners convened in Malmö, Sweden, for an engaging LTTA and TPM. Highlights included:

- **Local Kindergarten Visits:** Teachers observed Swedish kindergartens known for their outdoor learning approach, seeing how sustainability concepts are taught through hands-on nature activities.
- **Skill-Building Workshops:** Teachers participated in workshops on crafting age-appropriate sustainability experiments, learning to introduce concepts like water conservation, plant life cycles, and recycling through interactive lessons.
- **Experiment Creation:** Each partner developed two unique experiments for the *Superhero Lab Handbook*, supporting teachers in bringing sustainability-themed activities to their classrooms.



## Upcoming Handbook of Experiments

The *Superhero Lab Handbook* will showcase **hands-on experiments** designed by kindergarten teachers, covering key sustainability topics, such as understanding natural resources, exploring ecosystems, and learning about environmental responsibility. Each experiment will include clear, step-by-step instructions, with accompanying **video tutorials** to support teachers.

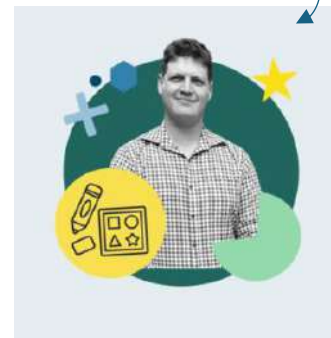
All materials will be translated into the **partners' native languages**, making them accessible to teachers across Europe. These activities aim to spark scientific thinking in children and foster a lasting respect for sustainability from an early age.



## Spotlight on The Superhero Lab

We're proud to share that a recent PAD article by Maria Birkmeir highlighted sustainability in early childhood education. The piece features Tim Rogas and Denise Müller from Zwergenland daycare in Dresden, who shared their inspiring experiences at the **1<sup>st</sup> Superhero Lab Webinar** in April. Tim and Denise discussed impactful activities like planting vegetable gardens and crafting with recycled materials, inspiring educators globally with their commitment to sustainability education.

[Click Here  
To Read More!](#)



## Participation Opportunities

The success of Superhero Lab relies on the insights and involvement of passionate kindergarten teachers, educators and stakeholders like you! **Join our Facebook group "[Erasmus+ Kindergartens](#)"** to stay updated on our project's progress and access valuable professional development events and materials connected to kindergartens!

## Find us on



## Our Partners



Šiaulių rajono  
savivaldybė



ŠIAULIŲ R. KURSĖNŲ LOPŠELIS-DARŽELIS „ŽIEDELIS“



Co-funded by  
the European Union

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.