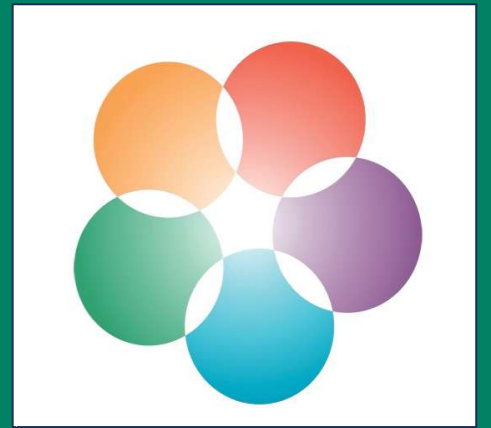


LUMA Centre Finland



COLLABORATIVE LUMA ECOSYSTEM

Who are we?

- Established in 2013 to strengthen collaboration among Finnish university-based LUMA centres and to inspire children and youth toward STEM fields
- Created to address declining interest in STEM subjects among Finnish youth despite strong academic performance
- Functions as a STEM education platform and collaborative ecosystem involving universities, schools, teachers, students, industry, and science organizations
- A national umbrella network of 13 regional LUMA centres in Finnish universities and university campuses

Key figures

- 378,000 participants engaged across the national LUMA network during the 2021–2024 national task period — a 60% increase compared to the previous term
- 135 800 pupils and teachers visited our science and technology labs
- 18 000 teaching and education professionals participated in our teacher trainings

Data : LUMA, National task 2021-2024

Focuses

- Functions as a STEM education platform and collaborative ecosystem involving universities, schools, teachers, students, industry, and science organisations
- Provides STEM learning opportunities through study visits, science clubs, camps, teacher training, and research-based educational development
- Supports lifelong learning for teachers and promotes research-driven improvements in science and technology education

Highlights

- StarT – Inspiring Worldwide Learning program continued to grow as a global movement transforming STEM and sustainability education through creativity and collaboration.
- MoU's and collaboration initiatives to Asia (China, Republic of Korea, Thailand, Indonesia, Malaysia...)
- Monitoring National LUMA (STEM) strategy
- Update of our own network strategy based on EU and national STEM strategies (incl. DigComp, GreenComp, BlueComp), as well as Finnish Teacher Education vision 2050

Example project: Science Adventure in Eastern Finland LUMA Centre of the University of Eastern Finland



Goals

- Inspires interest in STEM through school-based university outreach
- Highlights Eastern Finland as a research and education region
- Supports future study and career choices
- Reduces regional educational inequality

Overview

Science Adventure in Eastern Finland is a three-year project started in September 2025. This project funded by Olvi Foundation brings engaging, hands-on activities into everyday school life that are based on current research topics of the university. The project inspires interest in STEM subjects, supports teachers with up-to-date materials, and promotes educational equality by reaching schools far from university cities.

Insights

Hands-on, locally relevant school outreach in STEM builds interest, broadens aspirations, and creates lasting impact through reusable models.

