

FLUMIA — Making Energy Visible

An educational experiment connecting sound, light and water.

Overview

Flumia is an interdisciplinary research project developed at the **Bern University of the Arts (HKB)**.

It explores how **physical processes in water** — such as vibration, light diffusion, and temperature change — can become **aesthetic experiences** that foster sustainability awareness.

The project bridges the gap between art, science, and education, proposing new ways to perceive *and understand* energy.

The Flumia Box

A new electroacoustic prototype that transforms **sound into dynamic light through water**.

Inspired by the “Lumia Box” of Thomas Wilfred, it uses **hydrophones and reflective surfaces** to create a live interaction between sound, light, and fluid movement.

Currently, the prototype is being tested **CNR-ISMAR (Venice)** for its scientific and educational potential.

Educational Perspective

Flumia is not only an artwork — it’s a **learning laboratory**.

Through workshops and performances, it invites students and the public to discover energy through perception, curiosity, and play.

The experience turns invisible processes into something shared and tangible, promoting **sustainability literacy** across disciplines.

Next Steps

- **Dec 2025–Apr 2026:** Prototype testing and educational workshops.
- **June 2026:** Public event on the **Auditorium Ostermundigenstrasse (HKB)** – main performance outcome.

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