



Co-funded by
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tools in higher Education for an Embodied & creative Energy Education

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www.energy4teachers.eu

e⁴ PROJECT

e⁴ aims at both supporting and reforming teacher education at academic level (for teachers of primary school and lower secondary or middle school levels) in matters concerning energy, fostering new imaginative teaching methods. Teachers will be able to adapt their teaching approaches to the new generation's learning capacities and needs, and to educate and sensitise their students to take care of the environment and to help combat climate and technological change. Moreover, we feel the urgent need for academic institutions charged with teacher education to reach out to the wider community and become meaningful partner in a network with companies, organisations and institutions working on our energy future.

e⁴ GOALS

- develop and/or enrich higher education curricula, following a didactic approach based on "tools of imagination" like storytelling, gamification, embodied simulation, digital simulation, and play to facilitate science communication;
- train academics charged with teacher education in innovative pedagogies and approaches to teaching science courses;
- promote learning and teaching partnerships between universities and the private energy sector;
- upskill future science teachers with new approaches to teaching to encourage girls for scientific careers and fight against gender stereotypes in scientific and engineering careers;
- support the strengthening of science skills of EU citizens and professionals to make conscious choices and use creativity and a critical mindset to contribute to lower CO2 emissions towards EU 2050 targets.

e⁴ ACTIVITIES

GUIDELINES FOR A NETWORK OF ACADEMIC AND PRIVATE/PUBLIC PARTNERSHIPS

"IMAGINATIVE COURSE" CURRICULUM FOR TEACHING THROUGH IMAGINATIVE TOOLS

INTERACTIVE WEB PLATFORM SUPPORTING THE CURRICULUM AND THE NETWORK

