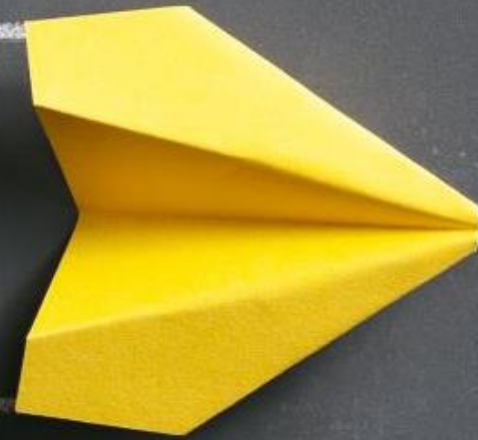


PROMOTING
ENERGY EFFICIENCY &
DEVELOPING
INNOVATIVE APPROACHES
IN SCHOOLS

ΠΡΟΩΘΗΣΗ ΤΗΣ
ΕΝΕΡΓΕΙΑΚΗΣ ΑΠΟΔΟΣΗΣ &
ΑΝΑΠΤΥΞΗ
ΚΑΙΝΟΤΟΜΩΝ ΠΡΟΣΕΓΓΙΣΕΩΝ
ΣΤΑ ΣΧΟΛΕΙΑ

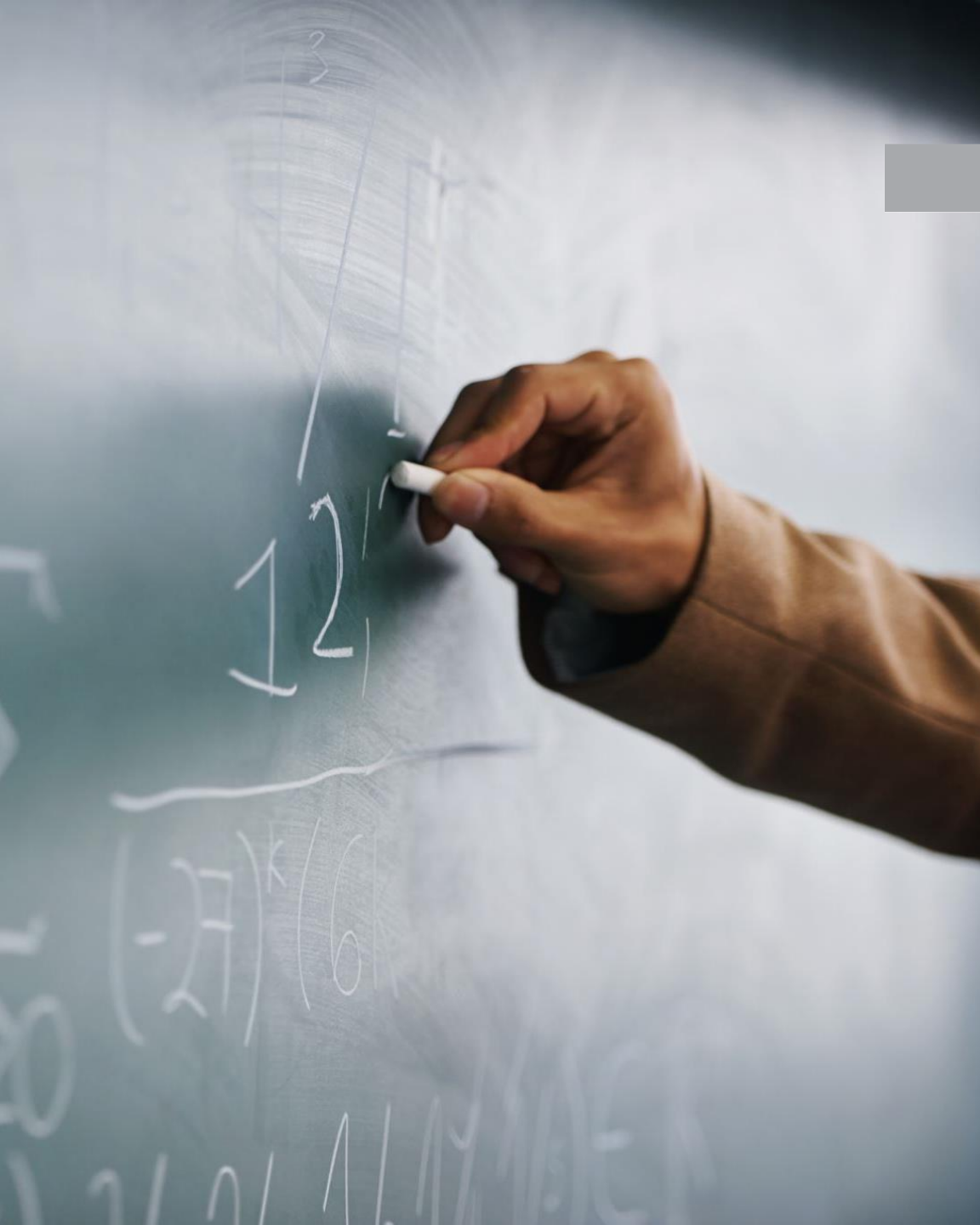


10/5/2021

SAVVAS VLACHOS | PROJECT COORDINATOR



PEDIA




CHALLENGES

The lack of comfortable, healthy, resilient and sustainable school infrastructures that could effectively provide to students a creative and transformative learning environment.


The large-scale energy renovation of school buildings contains a high perceived investment risk, while the involvement of several actors results in more complex procedures.

PEDIA

PEDIA is an innovation project exclusively for the energy renovation of the schools of Cyprus, improving the education quality, the sustainability and the environment in school. It is the first project that approaches the overall needs of the public school buildings in Cyprus.

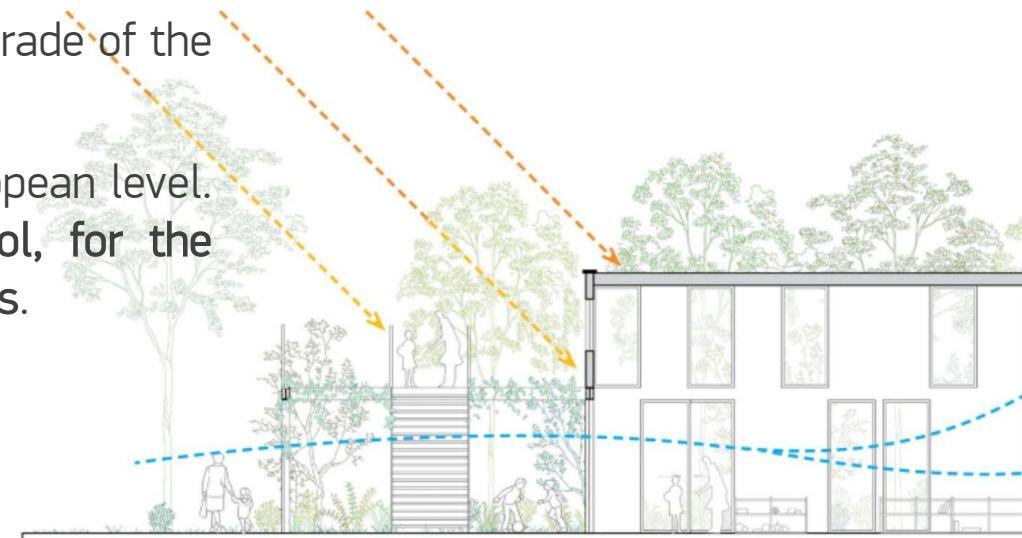


The PEDIA project offers a complete methodology tool which includes both, energy and social criteria, designed exclusively for the Cypriot public school building stock , where the interventions that need to be implemented are tailored for each school, so that they become energy efficient while ensuring the ideal conditions for the education process.



PEDIA AT A GLANCE

- It's the only project in Cyprus that has been selected for a grant as a technical assistance under the Project Development Assistance [PDA] funding, from the European Commission [Horizon 2020]. The total funding is 500,000 €, for 5 years.
- It aims to mobilize 7.5 M € of investments in school buildings.
- It promotes a **holistic approach** for the energy upgrade of school buildings to the 'Nearly Zero Energy Building' level.
- Pilot implementation of energy upgrades in **25 public school buildings**
- Development of the MoECSY's long-term strategy for the energy upgrade of the entire school building stock.
- Promotion of the Public School as a lighthouse at National and European level. Utilisation of the Public School as **an important pedagogical tool, for the development of environmental and energy awareness and STEM skills.**





METHODOLOGY

PEDIA integrates to the existing renovation practices a selection ranking system, energy audits, Green Public Procurement (GPP), an Energy Management System and an Innovative Financing Solution.

The ranking system, which is the first part of the methodology, will assist the MoECSY in Cyprus to the selection process of school buildings for energy upgrade, based on **environmental, energy, socioeconomic criteria**.

PEDIA constitutes an **innovative solution which can help schools become spaces for experiential learning and an important pedagogical tool** for the development of environmental and energy conscience.



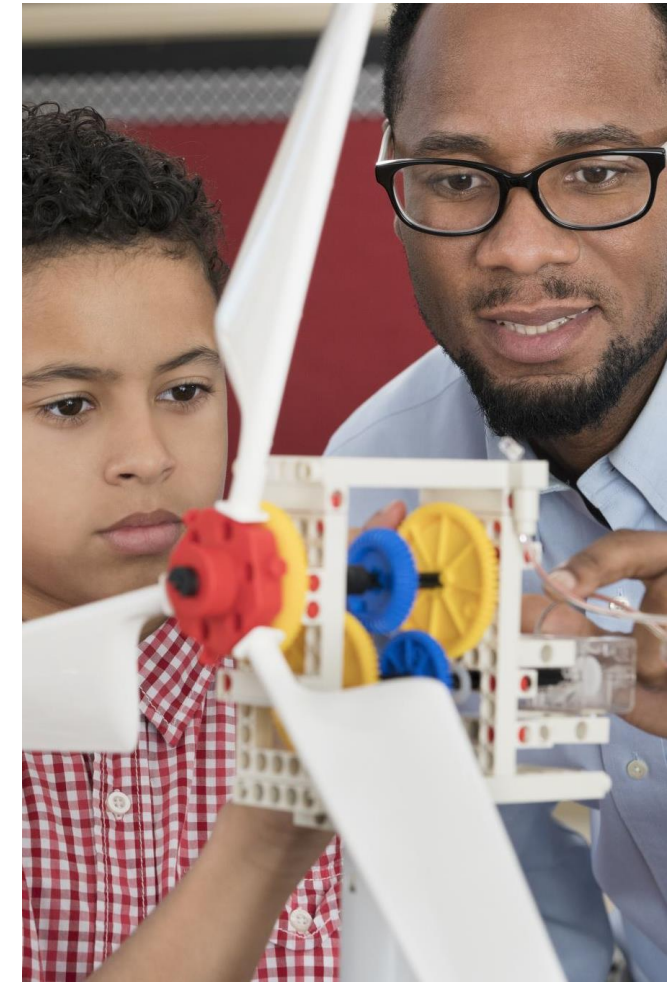
Organic integration of educational and pedagogical aspects with School buildings sustainable transformation – UNESCO 2030 for ESD



Whole institution approach. School Building as pedagogical tool – UNECE 2030 for ESD

Resilient, green and energy efficient school buildings – EU Green Deal

Sustainable school infrastructures for **Quality education** – UNSDGs 4th goal





- Link school buildings energy renovations with **educational programs on climate change and sustainability.**
- **Showcase school buildings** as best practice for energy efficiency, renewable energy sources exploitation, nature based solutions experimentation during classes and educational activities.
- **Engage teachers and students** in awareness activities to improve environmental and energy awareness and STEM skills.
- Exploitation of school buildings during the **design and implementation of professional development programs.**
- Use school buildings for **students to experience Systems Thinking.** An important skill that offers empathetic understanding between the students and the people that they are trying to solve problems for.



THANK YOU | ΕΥΧΑΡΙΣΤΩ

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Cyprus
Energy
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