

# SCHOOL BUILDINGS INTEGRATED ENERGY DEVELOPMENT OPERATION



**CORK COUNTY ENERGY AGENCY**

**AIEA PROJECT SUMMARY 7**

## Summary

The School Buildings Integrated Energy Development Operation or SchoobieDo project looked at energy use in community buildings in Ireland, Poland and Romania.

Potential for significant savings was identified in larger buildings with higher occupancy e.g. swimming pools, sports hall's etc. Methods for monitoring and targeting were developed. Third Party Financing options were explored. Other outcomes include open days, specialised energy training and energy awareness actions in schools.

## Project Classification

END-USER AREA	TARGET AUDIENCE	TECHNICAL
<input type="checkbox"/> NEW BUILDINGS	<input checked="" type="checkbox"/> CITIZENS	<input checked="" type="checkbox"/> ENERGY EFFICIENCY
<input checked="" type="checkbox"/> REFURBISHMENT OF BUILDINGS	<input type="checkbox"/> HOUSEHOLDS	<input checked="" type="checkbox"/> HEATING
<input type="checkbox"/> TRANSPORT AND MOBILITY	<input checked="" type="checkbox"/> PROPERTY OWNERS	<input type="checkbox"/> COOLING
<input checked="" type="checkbox"/> FINANCIAL INSTRUMENTS	<input checked="" type="checkbox"/> SCHOOLS AND UNIVERSITIES	<input checked="" type="checkbox"/> APPLIANCES
<input type="checkbox"/> INDUSTRY	<input checked="" type="checkbox"/> DECISION MAKERS	<input checked="" type="checkbox"/> LIGHTING
<input type="checkbox"/> LEGAL INITIATIVES	<input checked="" type="checkbox"/> LOCAL AND REGIONAL AUTHORITIES	<input type="checkbox"/> CHP
<input type="checkbox"/> PLANNING ISSUES	<input type="checkbox"/> TRANSPORT COMPANIES	<input type="checkbox"/> DISTRICT HEATING
<input checked="" type="checkbox"/> SUSTAINABLE COMMUNITIES	<input type="checkbox"/> UTILITIES	<input checked="" type="checkbox"/> SOLAR ENERGY
<input checked="" type="checkbox"/> USER BEHAVIOUR	<input type="checkbox"/> ESCOS	<input checked="" type="checkbox"/> BIOMASS
<input type="checkbox"/> EDUCATION	<input type="checkbox"/> ARCHITECTS AND ENGINEERS	<input checked="" type="checkbox"/> WIND
<input type="checkbox"/> OTHER	<input checked="" type="checkbox"/> FINANCIAL INSTITUTIONS	<input checked="" type="checkbox"/> GEOTHERMAL
<input type="checkbox"/> NEW BUILDINGS	<input type="checkbox"/> OTHER	<input type="checkbox"/> HYDRO POWER
<input type="checkbox"/> REFURBISHMENT OF BUILDINGS	<input type="checkbox"/> CITIZENS	<input type="checkbox"/> OTHER

## CONTACT DETAILS



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## Duration

The project was 30 months in duration.

## Process

The project was executed via 5 distinct phases. Phase 1 was the start up phase incorporating workshops etc. Phase 2 involved 5 review group meetings every six months looking at benchmarking and financing. Phase 3 called for the energy monitoring of 15 buildings. Phase 4 involved detailed energy audits for 12 buildings. Phase 5 investigated third party financing options. Phase 6 was the final dissemination phase.

## Financial resources and partners

Organisation		Country
Cork County Energy Agency	CCEA	Ireland
Polish Network Energy ie-Cites	PNEC	Poland
Orase Energia Romania	OER	Romania
Energie-Cites	EC	France

## Impact

The likely impacts include: reduced energy costs and higher end user energy awareness in community buildings. Improvements in the running costs of Millstreet GAA, and Mallow swimming pool. Analysis of opportunities for Biomass heating in Macroom's Briary Gap, Geothermal for Fermoy Swimming Pool, Solar energy for Mallow Swimming Pool. Guides for community building managers, school energy projects, Third Party Financing guides, good practice guides.