

ScienceUs

FLOURISH PHASE

5 Citizen Science Projects for Climate Adaptation

A collaboration grounded in local knowledge and shared expertise to strengthen climate resilience across Europe

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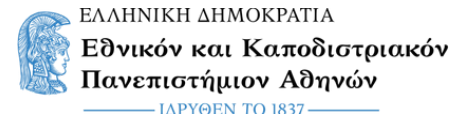
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UNIVERSITY OF BUCHAREST
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Discover our five ScienceUs Projects. Citizen Science Projects that foster climate adaption through participation, generating actionable local data and thereby turning community evidence into better-informed policy decisions across Europe.



SCIENCEUS PROJECTS

CoRe-ACTS – Coastal Resilience: Action Through Citizen Science (Ireland)

Lead: University College Dublin

Communities monitor coastal change using “Smart Pebbles” (RFID-tagged pebbles) to track sediment movement and erosion over time. The project provides tools and training so local groups and schools can eventually run monitoring—collecting high-frequency data and building a model replicable across European beaches.



The Future is Climate (Spain)

Lead: Demos Lab

A youth-driven citizen science and deliberation process to identify what blocks climate action in Spain. Two bodies work together: a Climate Metaforum (young people) and a Climate Advisory Council (experts)—building dialogue, evidence, and long-term participation mechanisms that support adaptation policies.



Blue-Green Tops: Adapting Building Roofs for Climate Resilience (Greece)

Lead: University of Patras

Athens’ flat roofs can become blue-green roofs that cool cities, manage rainwater, and boost biodiversity. This project uses citizen science to crowdsource building/roof data via the Colouring Cities open platform—helping identify where roof transformation is feasible and accelerating climate adaptation planning.



Acqua Sorgente (Italy)

Lead: Club Alpino Italiano (CAI)

A citizen science initiative to protect springs and groundwater—vital for mountain ecosystems and communities. Volunteers record location, photos, flow, temperature, and conductivity via a smartphone app and portable probes. Data are validated and mapped in an open database supporting research, awareness, and water protection.



Acqua Sorgente
L'acqua che c'è



Alleviating Energy Poverty in Vulnerable Households (Spain)

Lead: Spanish Red Cross

A community-based approach tackling energy poverty as a climate adaptation barrier. Households and volunteers collect data on energy use and housing conditions (e.g., surveys, thermal sensors, visits) to identify risks from heatwaves and cold spells. The project supports practical, affordable efficiency measures to improve comfort, health, and resilience while reducing emissions.

