



Portugal and technical solutions

In Portugal several interventions illustrated how concrete actions can serve as powerful drivers of environmental learning and institutional change. The schools of EB Bobadela and EB Camarate, together with the Instituto Superior Técnico (IST) implemented a range of measures that combined technical improvements with educational value, making sustainability visible in the everyday life of their communities.

At the school level, EB Bobadela focused on tangible infrastructure upgrades, such as the installation of solar panels and double-glazed windows, improving the school's energy efficiency and comfort while providing real examples for classroom discussions. The introduction of new recycling bins and the organisation of waste separation competitions transformed waste management into a learning opportunity. Students and teachers monitored progress through waste audits and discussed the results in class, linking small everyday actions to measurable environmental impacts.

At EB Camarate, the transformation of the Quinta do Charco site into a multifunctional educational garden was both a physical and social achievement. The new space, co-designed with researchers from IST, the municipality and the school community, will become a living laboratory for biodiversity, food production and outdoor education. Activities in the garden encouraged collaboration between subjects and promoted environmental responsibility among students, while fostering a sense of ownership and

pride in their collective work.

At the Instituto Superior Técnico, several campus-wide actions brought sustainability to the forefront of university life. The installation of air quality sensors in classrooms, the expansion of green and permaculture areas through the Technical + Green project, and the implementation of solar panels demonstrated a concrete institutional commitment to environmental improvement. Projects such as Bio Técnico and Técnico Makes the Difference complemented these measures by addressing waste reduction and sustainable food and community participation, showing that large institutions can lead by example through consistent and visible action.

Across all Portuguese sites, these practical interventions acted as learning tools that connected technical solutions with behavioural and cultural change. By turning sustainability into something visible, measurable and shared, the Portuguese partners demonstrated how concrete action can inspire long-term commitment and collective ownership of environmental goals.