

DESIGN A SUSTAINABLE ECO-VILLAGE IN IRELAND FOR 2050

A School-University-Museum-Enterprise Project

Led by Professor Geraldine Mooney-Simmie & Dr. Michelle Starr (EPI•STEM Research Centre), Norma O'Brien (Limerick Education Support Centre), Maria Cagney & Emma King (The Hunt Museum)

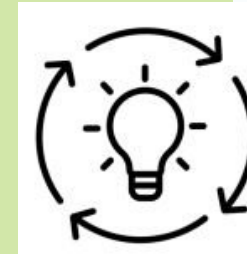
Imagine a community built on **CARE, EQUALITY, and SOCIAL JUSTICE** at the heart of your town or village.

Through STEAM research, this project empowered students to build resilience and give voice to how a futuristic eco-village for Ireland in 2050 could be creatively designed, with social justice at the heart of their innovation.



VISION

- Equity & Justice – Ensuring equal access to resources and opportunities for all.
- Sustainability – Incorporating renewable energy and eco-friendly infrastructure.
- Community-Centric Design – Fostering inclusive, participatory decision-making.
- Ethical Responsibility – Promoting care for people, other species, and the planet.



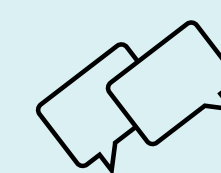
OBJECTIVES

- **Engage Students in STEAM Research, and critical thinking for Active Citizenship in designing a sustainable eco-village for Ireland in 2050, aligned with the UN's SDG's**
- **Empower Teachers in Interdisciplinary Pedagogy**
- **Community & Public Engagement**
Showcasing students' eco-village designs in the Hunt Museum to spark discussions on **environmental** and **social sustainable living**.



IMPACT

- Critical Thinking, Problem-Posing and Real-World Problem-Solving approaches.
- Collaboration & Communication – Encouraging teamwork, peer discussions, and interdisciplinary collaboration
- Community Engagement – Raising awareness and fostering meaningful dialogue on sustainability issues, equipping students with the skills to advocate for change in their communities.
- Gender & Social Inclusion –promoting targeted interventions to support underrepresented groups, including women and disadvantaged communities.
- Local Enterprise engagement – ESB, SEROSEP, Boston Scientific, Analog Devices, & Eli Lilly



Some of the students' voices about their sustainable eco-village design



SPONSORS



LISTEN TO EPI-STEM PODCAST episodes 1 to 5 & 11 about the Design a Sustainable eco-village project

Listen on: Spotify