



Climate-KIC is working with a community of local and global education partners, universities, local governments and business using innovation as a key tool to trigger whole systems transformation

THEORY OF CHANGE

As our understanding of climate change deepens, understanding systemic change and the need for innovation are key to solving climate challenges.

Society will need collaboration on a scale not seen before, as we work towards a mindset shift that will allow us to re-imagine the world and the systems within it.



Young people are self-organising and have incredible imagination beyond the bounds of the status quo.

They are the first generation to protest in the name of science and climate justice, and they are calling on all of us to support them on their journey to a zero-carbon economy by 2030.



NOW IS THE TIME TO INVEST IN THEM

in fostering the skills and competences needed for young people to lead change

Mission

Young Innovators programme aims to:



1

Equip young people worldwide with the competencies and skills needed to become change-makers and drive systemic innovation and climate action.

2

We want to foster challenge-based and experiential learning in schools, based on real life challenges from corporates and cities.



3

This empowers future generations to lead us to a prosperous, inclusive and resilient society based on a net-zero carbon economy.

4

Transform the education system by main-streaming climate change education and embedding systems thinking and challenge-based learning.



Theory of Change

Our Theory of Change delivers the aim of empowering students to contribute to carbon neutrality and help transform systems for the future. We do this through locally delivered trainings to our partners, teachers and educators, using visual participatory tools and challenge-based learning based on our tested Climate-KIC innovative methodology.

Impact

The Programme aims to change behaviour and embrace sustainable lifestyles. Through the understanding of complexity and interrelations, students use creativity and problem-solving skills to generate innovative ideas.

- » Green jobs will have an even greater importance in the future labour market, and climate innovation competences will be key to career resiliency.
- » Young Innovators empowers students and teachers through participatory democratic decision making, helping develop collaborative ways of working, and translating ideas into actions.
- » We enable change-makers and their capabilities of mobilising others to generate collective climate action.
- » By engaging teachers, school directors, industry partners and governments, we support local ecosystems with their ability to embrace interconnectedness and rise to global challenges.





INPUT ACTIVITY

Click on each icon to learn more



OUTPUT



OUTCOME



IMPACT

1	Learning outcomes achieved by students	2	Learning outcomes achieved by teachers	1	Enterprising skills: translating ideas into action	2	Creativity and ability to generate innovative ideas	1	Society embracing sustainable lifestyles
3	Families and peers involved	4	Citizens involved in local action	3	Problem-solving skills	4	Collaborative ways of working	2	Resiliency in careers and employability in green jobs
5	Follow-up student solutions with challenge providers	6	Interaction between individuals of different communities	5	Sustainable schools and homes	6	More participatory democracy	3	Collective climate action-led by change-makers
7	Use of system innovation tools	8	School Senior Leadership Team engaged	7	Low carbon lifestyles	8	Empowered and qualified teachers	4	Empowered citizens participating in democratic decision making
9	Sustainable practices in schools	10	Stakeholders involved with schools	9	Realistic and up to date challenge-based education	10	Schools as active collaborators within the ecosystem	5	Active local ecosystems inter-connectedness and global challenges
11	Student campaigns	12	Trained teachers	11	System thinking skills: understanding complexity and interrelations	12	System thinking embedded in education	6	Mainstream climate change education

CONTRIBUTING TO CARBON NEUTRALITY

Learning Outcomes

The Young Innovators programme focusses on the delivery of 9 key learning outcomes.

<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>CREATIVITY</p> <p>The ability to generate innovative ideas and new solutions within a given context</p> <ul style="list-style-type: none"> » come up with new ideas » find creative solutions to problems » use knowledge in creative and innovative ways 	<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>ENTERPRISING SKILLS</p> <p>Moving from ideas into action in exploring solutions to climate change.</p> <ul style="list-style-type: none"> » think creatively » come up with new ideas » translate ideas into action
<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>SYSTEMS THINKING</p> <p>Broadening thinking to identify aspects within a system, understand complexity and interrelations.</p> <ul style="list-style-type: none"> » identify patterns, understand long-term and broad perspectives » considering the whole, rather than individual parts, in order to understand a phenomenon » incorporate trends, interconnections and interrelations within climate change 	<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>DIGITAL SKILLS</p> <p>Using digital skills in exploring solutions to climate change.</p> <ul style="list-style-type: none"> » searching, evaluating and managing digital content » interacting, sharing and engaging through digital technologies » exploring, creating and producing new ways to take advantage of digital technologies
<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>PROBLEM-SOLVING</p> <p>Gathering, analysing and interpreting information to solve problems through a negotiated solution within the area of climate change.</p> <ul style="list-style-type: none"> » gathering and analysing information » defining a given question/problem » finding a negotiated solution and considering others 	<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>MOBILISING OTHERS</p> <p>Understanding and developing social capital to engage others in ideas related to climate mitigation.</p> <ul style="list-style-type: none"> » establish contacts with people you don't know and build community » inspire people to be enthusiastic about ideas that help solve climate change » convince others to engage in activities that they feel are important
<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>LOW CARBON LIFESTYLE</p> <p>To analyse consumer behaviour, sustainability and product lifecycle and end-of-life treatment.</p> <ul style="list-style-type: none"> » analyses consumer behaviour within the context of climate change » understand end-of-life treatment, waste disposal and prolong product usage and lifetime » understands sustainability and the value of natural environments and biodiversity 	<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>MANAGING UNCERTAINTY</p> <p>To be aware of the ambiguity, precariousness and sudden changes that define the climate change crisis.</p> <ul style="list-style-type: none"> » gathering and analysing information » defining a given question/problem » finding a negotiated solution and considering others
<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>LOW CARBON LIFESTYLE</p> <p>To analyse consumer behaviour, sustainability and product lifecycle and end-of-life treatment.</p> <ul style="list-style-type: none"> » analyses consumer behaviour within the context of climate change » understand end-of-life treatment, waste disposal and prolong product usage and lifetime » understands sustainability and the value of natural environments and biodiversity 	<p>COMPETENCE:</p> <p>Hint:</p> <p>Descriptors:</p>	<p>CHANGE-MAKER</p> <p>To engage and mobilize yourself and others for the greater good.</p> <ul style="list-style-type: none"> » be more engaged in democratic and participatory processes » mobilise others to take collective action on climate change with a sense of urgency » feel empowered to make changes for the greater good