

# Annual Report 2021

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# 1. Foreword by Dr Kirsten Dunlop, Chief Executive Officer, EIT Climate-KIC



2021 was a year of life in a constant state of transition. The transition from lockdown to freedom and back, from hope to despair and back, and between virtual to in-person to hybrid working and social environments (and back). In Europe, we saw the transition from Horizon 2020 to Horizon Europe, and embark firmly on our path towards a green transition through the European Green Deal and the European Missions. Now we deal with war, displacement of millions and a case for emergency energy transition.

For all of its transitions, 2021 was also proof that the trends that mark the climate crisis remain unwavering, good and bad. It featured both the warmest month and most severe heatwave in recorded history, and gave us extreme weather mega-disasters, including the European summer floods and one of the most intense wildfire seasons on record. Global energy-related carbon dioxide emissions rose by 6 per cent in 2021 to 36.3 billion tonnes, their highest ever level, fuelled by coal as the world economy rebounded from the Covid-19 crisis. At the same time, renewable energy generation hit all-time high, with the addition of 290 gigawatts of renewable power production capacity, and the sale of electric vehicles leapt 80 per cent above 2020 numbers. Landmark cases in climate litigation came through, building on the momentum of civic protests and youth movements fighting for climate justice, notably the ruling by the German Federal Constitutional Court obliging the government to adopt a new definition of freedom that takes future generations into account; and the Shell Court Rule in the Netherlands, in which 17,000 Dutch citizens filed proceedings, forcing Shell to cut its CO<sub>2</sub> emissions to 45 per cent by 2030 based on the Paris 1.5°C-limit.

For EIT Climate-KIC, 2021 was likewise turbulent. We had to embrace transition in all senses, finding ways to combine virtual working with fragments of physical reconnection to rebuild momentum in complex systems innovation implementations, build exciting global and local partnerships in a context of global fatigue, and tackle our own significant internal changes. We are learning how to work in a highly diversified multi-funder environment and in a hybrid virtual-presence set up. We are learning to do more with less. And we are working with a new community model while we reconnect and expand our network of partners in SMEs, corporates and start-ups, graduate students, researchers, scientists, cities, public authorities, and NGOs.

Still, our trajectory remains steadfast.

EIT Climate-KIC is one of the world's most extensive and best performing climate ideation, incubation, and acceleration support ecosystems. Over the past ten years, the two flagship programmes, [ClimateLaunchpad](#) and the Accelerator (now "[ClimAccelerator](#)"), have supported more than 5,000 businesses in over 70 countries. And collectively, these start-ups have secured over €2bn in investments and created over 15,000 new green jobs. We have started new business endeavours with our [Start-up Investment Programme with Seeders](#) and the amount of entrepreneurial talent touching base with our Community is truly outstanding, [regularly honoured](#) with various prestigious awards and – as has become tradition – listed repeatedly in [Forbes' famous "30 under 30" list](#).

We have continued to work with the most ambitious cities and regions across Europe through our Deep Demonstrations aimed at catalysing systemic change and large scale transformation. Despite the pandemic and hybrid working models, the steady, painstaking and determined work of building a shared vision and intent continued, activating systemic and strategic approaches to innovation – place-based portfolios of innovation options. Through them we are creating communities of action, experimentation, active learning and sustainability design, even extending to national platforms for climate action. We made significant progress in [Andalusia](#), [Glasgow](#), [Dolomites](#), as well as in [Gipuzkoa](#), [Krakow](#), [Vienna](#), [Madrid](#) and [Rybnik](#). Importantly, we amassed experience and lessons from these Deep Demonstrations that are informing our upcoming efforts, especially as we start work at larger scale now in [Slovenia](#) and Ireland.

Within the EU, we are seeing recognition of our concentrated effort as a community in the field of adaptation as we were [acknowledged as one of the key players](#) in the new EU strategy on adaptation to climate change. We contributed our expertise and

methodology to important discussions about [the implementation design for the European Union Missions](#) and the beginnings of the [New European Bauhaus](#), and have shared our insights based on our experience implementing our strategy, *Transformation, in Time*.

On the global stage, COP26 in Glasgow was a long-awaited opportunity to put the case visibly for the enabling practices to make accelerated transformation possible, representing systems innovation not only through [dozens of high-profile events](#), but also through our [#SystemsChangeNow](#) campaign that reached over 500,000 people in online communities worldwide. Crucially though, COP26 was the starting point for critical international alliances, such as partnership with [State of California](#), the launch of the new [Global Innovation Hub with the UNFCCC](#), as well as selection of EIT Climate-KIC to be part of the [Race to Resilience](#) – a UNFCCC High-Level Climate Champions campaign that aims to catalyse action by non-state actors by 2030.

Most importantly, we are seeing now a convergence of interest, shared language, positive signals and commitment to partnership in the realisation of transformative efforts to tackle the climate crisis through innovation. Our role leading the [NetZeroCities project](#), the pilot initiative launching the EU Mission to Create 100 Carbon Neutral and Smart Cities by 2030, provides a critical opportunity to go further and faster in implementing the European Green Deal, sharing and scaling lessons, practices and tools for cities with 33 partners in 13 countries. This is the strongest possible recognition of the relevance and need for the systems innovation approach of the Deep Demonstrations. Cities, regions, communities and business who can describe what is needed are making the difference now. It is their time.

Corporations, including CDC Group, Munich Re, Nissan, [Google](#), Facebook, and Amazon, have also come onboard as EIT Climate-KIC funders, showing that the systems innovation mindset is not only for government, public authorities or academics, but is becoming more and more the mainstream.

And that is arguably the most important trend of them all, because that is what we will need to unlock an exponential pace of change. Once systems innovation thinking, implementation and action become “normal”, we may just be able to reach the level of transformational change we so desperately need.

## 1.1 Our purpose

EIT Climate-KIC is a European knowledge and innovation community. Supported by the European Institute of Innovation and Technology, an EU body created by the European Union in 2008 to strengthen Europe's ability to innovate, we identify and support innovation that helps society mitigate and adapt to climate change. We believe that a decarbonised, sustainable economy is not only necessary to prevent catastrophic climate change; it presents a wealth of opportunities for business and society.

Keeping global temperature rise below 1.5°C necessitates unprecedented change: new social dynamics, ways of doing business, capital flows, policymaking, economic models, and new ways of living. No one organisation can solve climate change on its own. We catalyse the rapid innovation needed across sectors by convening the brightest minds to tackle challenges, empowering leaders through capacity building, and seed funding the most promising climate-positive businesses. Our aim is to transform whole places, industries and value chains by 2030, working with funders to develop and scale ambitious, mission-led programmes.

## 1.2 Our systems innovation approach

Our vision is for a prosperous, inclusive, climate-resilient society founded on a net zero-carbon, circular economy. This is a new climate-conscious economy, where finance flows to green projects and activities, and where motivated people are empowered with the skills and capacity they need to take action.

This can only be achieved through wholesale systemic change – change that encompasses not just the technical and material, but regulation, governance structures, values and mindsets. EIT Climate-KIC works on transformative, systemic innovation that involves many connected innovations developing in parallel and in synergy to trigger exponential shifts in economic and social systems.

We aim to take good ideas, products or services from niche to mainstream to reach a tipping point and create maximum impact. Guided by the Paris Agreement and the IPCC 1.5° Report, our advisors and our community, EIT Climate-KIC has identified cities, land use, materials and finance as the four major systems, where, if change were triggered and emissions reduced, would have the most potential in realising a climate-resilient society and net-zero carbon economy.

Our approach is to carve out space for experimentation and accelerated learning through innovation by piloting, testing and scaling. We learn from these pilots by observing change, generating insight and identifying options for decision making, recalibrating our approach in response to our insights and connecting findings to decision and investment processes.

### 1.3 Our results

Since 2010, EIT Climate-KIC has focused on creating a groundswell of innovation to tackle climate change. We are directing the full force of our community and our huge supply of innovation to the demand for change from city authorities, industry leaders, regional and national governments and citizens groups.

COMMUNITY MEMBERS: 451

PARTICIPANTS IN OUR EDUCATION PROGRAMMES: 58,000

START-UPS INCUBATED: 2,115

START-UPS SUPPORTED: > 5,000

CLIMATE FUNDING LEVERAGED: > €4,6bn

NEW PRODUCTS AND SERVICES LAUNCHED: > 650

INVESTMENT ATTRACTED TO START-UPS: > €2,0bn

(All data from December 2021)





- ➔ In 2021 EIT Climate-KIC continued to work with the most ambitious cities, and regions across Europe in their efforts to transform their emissions, resilience, and economic performance.

Three years ago, EIT Climate-KIC launched eight 'Deep Demonstrations' of a net-zero, resilient future, to place the full power of the EIT Climate-KIC community in the hands of Europe's most ambitious local and national climate action leaders. Since then, EIT Climate-KIC has worked with over 20 'challenge owners' in Europe and beyond – the majority of them being place-based, meaning a city, region or country – to continue to deliver systems transformation in climate change, adaptation, mitigation and circular economies through the Deep Demonstration projects. Acting as the orchestrator of systems innovation, EIT Climate-KIC played a key role in supporting the activation of the portfolios of innovation actions by coordinating challenge owners, partners and supporting them in connecting their lessons learned for increased impact.

EIT Climate-KIC took major steps forward in securing a long-term future for its work with cities, by leading NetZeroCities, a Horizon Europe project comprised of a consortium of 33 organisations selected for the European Green Deal to build the infrastructure and provide comprehensive support for Europe's Mission of '100 Climate-neutral and Smart Cities by 2030', one of the five European Missions launched in 2021. In addition to securing the investments for NetZeroCities, our start-up seeding of Healthy, Clean Cities



also attracted additional support from Laudes Foundation and the United Nations Development Programme (UNDP). Our initial scope of work is to help transform their Mayors for Economic Growth initiative, designing it to support systems innovation work across Eastern Europe and globally.

Our Circular Economy portfolio efforts were focused on building a new partnership with the government of Ireland to support the transformation of their agri-food sector and officialised implementation of a long relationship with the government of Slovenia to transition the country to a full circular economy. Our Just Transformation team has built a very strong partnership with the province of Gipuzkoa in Spain mapping their sustainability problem space, connecting up an initial portfolio of experiments and implementing a train the trainer approach with the regional team on the systems innovation approach. Our Land Use team has expanded its portfolio by working with new challenge owners, both place-based (ie. Berlin, Kenya, New Zealand and Denmark) as well as system-based (Good Energies Foundation, 1000 Landscapes for 1 billion people).



- ➔ Businesses created and accelerated with help from EIT Climate-KIC have raised more than €2bn in follow-on investment, created over 15,000 jobs, and are reinventing the way we tackle climate change.

EIT Climate-KIC has created one of the world's most extensive and best performing climate ideation, incubation, and acceleration support ecosystems. Over the past ten years, the two flagship programmes, [ClimateLaunchpad](#) and the Accelerator (now "[ClimAccelerator](#)"), have supported more than 5,000 businesses in over 70 countries. The ClimAccelerator, an incubation and acceleration programme to support early-stage climate positive ventures in 20 locations in Europe and four thematic verticals, has together with 29 of our community members supported over 2,100 start-ups going through the technological and commercial valleys of death and maturing them into scalable and impactful businesses. These start-ups have then attracted and secured over €2bn of capital.

- ➔ On Education, EIT Climate-KIC provides tested and innovative education and activation programmes that foster skills and capability building, tools and mindset shifts for current and future changemakers and innovators, creating learning journeys and pathways for our partners (leading experts on climate change from universities, NGOs, public and private organisations) to meet the climate challenge, and activating citizens to work on concrete local and global challenges.

EIT Climate-KIC's [Journey Programme](#), a three-to-four week intensive, immersive summer school, hosted by universities and in 13 cities across Europe, has a ten-year legacy and has trained over 3,000 young people, from more than 30 countries to be climate leaders. In 2021, there were 153 participants the programme. Journey is an experiential educational programme amplifying and accelerating climate action by training young people, to become transformative change agents contributing to systems transformation and building the foundation of a strong community of climate leaders. In 2021, with [Young Innovators Programme](#), we trained more than 140 teachers in nine countries and worked with about 3,680 students in a challenge-based and experiential learning setting to empower them to become climate change-makers and develop solutions.. The [Pioneers](#) programme provided experimental and transformative learning experiences to professionals, enabling them to develop skills and capabilities in systems thinking required to make the rapid transformation needed to reach a net-zero resilient economy. Our work in eight countries resulted in 96

professionals completing *Pioneers* in 2021, taking part in eLearning, workshops, group projects and placements. *Climate Innovation Leadership* is an evolution of the Master School Programme from EIT Climate-KIC, a programme with nearly ten years of experience in empowering and enabling students to act on climate challenges. Built on the foundation of the EIT Label framework, the Climate Innovation Leadership programme is fostering an entrepreneurial mindset combined with multidimensional leadership skills as a tool to transform our societies in a just and sustainable way. In 2021, the Climate Innovation Leadership programme was delivered for 151 participants in collaboration with 10 delivery partners across Europe.

- ➔ With the EIT Regional Innovation Scheme (RIS) throughout 2021, EIT Climate-KIC has stepped up activities to support the development of innovation and entrepreneurial capacity in education in EIT RIS countries and regions, including the promotion of Knowledge Triangle Integration events and joint programming initiatives.

In 2021, a total of 13 RIS countries have been engaged in EIT Climate-KIC education programmes. 125 start-ups were accelerated, 134 professionals joined our *Pioneers* programme in eight locations, 153 participants (99 attending a RIS summer school) completed the *Journey* programme, the *Climate Innovation Leadership* programme was delivered for 151 participants (42 coming from RIS areas), a total of 1,541 students and 180 teachers joined *Young Innovators* from these regions.



## 1.4 Our community



EIT Climate-KIC convenes Europe's most influential network for transformative climate innovation. Our community is at the heart of our climate innovation ecosystem. In 2021, EIT Climate-KIC had 451 global partners, giving us unrivalled knowledge and expertise to apply to the challenges of climate change. Our network of partners includes SMEs and larger corporations, start-ups, graduate students, researchers, scientists, cities, public authorities, NGOs and more.

### Community members by category (Dec 2021)

Cities, Regions, NGOs	89
Business	85
Business (SME)	127
Higher Education	70
Research	48
Other	32

### Community members by region (Dec 2021)

Benelux	64
Central and Eastern Europe	27
DACH	75
Mediterranean	129
Nordics	35
UK and Ireland	56
RIS	63
International	2

See the full list of our partners at the end of this report and here:

[www.climate-kic.org/partners](http://www.climate-kic.org/partners).

Discover our local innovation hubs here: [www.climate-kic.org/in-your-country](http://www.climate-kic.org/in-your-country)

## 1.5 Our impact goals

Our vision is of a prosperous, inclusive, climate-resilient society and a circular, net-zero emissions global economy by 2050. We focus on twelve impact goals to achieve this. They help focus our attention on the characteristics of the systems we are exploring, on what levers of change might constitute the most effective intervention points and on what outcomes we are looking to see.

**Goal 1: Promote retrofit and decentralised energy:** Drive a significant increase in urban retrofit rates and enable district-scale clean energy production, paving the way for deep cuts in emissions.

**Goal 2: Nurture nature-based resilience for cities:** Create more liveable, resilient cities through substantially increasing the introduction of nature-based solutions and enhancing natural systems.

**Goal 3: Accelerate sustainable urban mobility:** Trigger the switch to clean urban mobility to achieve considerable cuts in urban transport emissions.

**Goal 4: Make agriculture climate-smart:** Instigate a substantial increase in the application of climate-smart agriculture solutions.

**Goal 5: Reform food systems:** Transform climate-damaging food value chains and enhance the climate resilience of food supply.

**Goal 6: Nurture forests in integrated landscapes:** Grow carbon sequestration in forests and linked value chains, while avoiding deforestation and protecting ecosystem services.

**Goal 7: Build circular material flows:** Catalyse a switch to a circular economy and transform production for fossil-energy intensive materials.

**Goal 8: Reduce industry emissions:** Partner with key industry stakeholders in cutting Scope 3 emissions<sup>7</sup> to reach science-based targets.

**Goal 9: Reboot regional economies:** Transition carbon-intensive regions to become zero-carbon innovation hotspots.

**Goal 10: Mainstream climate in financial markets:** Advance metrics, standards and instruments that enable transparent, true-cost and benefit accounting for a well below 2°C pathway.

**Goal 11: Democratise climate risk information:** Enhance access to risk information through capacity building and a major expansion of the climate services market.

**Goal 12: Foster bankable green assets in cities:** Develop capacity in preparing projects and investment vehicles to boost the availability of sustainable investment assets in cities.

Read more about the context of EIT Climate-KIC's impact goals in our *Transformation, in Time* strategy.



## 1.6 Looking forward

Through changing systems, we will help to address the climate emergency and create exponential improvements in decarbonisation and resilience. EIT Climate-KIC's goals for 2027 are to ensure that:

- 200,000 people across Europe are equipped with enhanced climate-relevant innovation and entrepreneurial skills;
- 10 million people benefit from improved resilience to the impacts of climate change;
- 50 cities, countries, regions and large-scale businesses across Europe are achieving net-zero as a result of partnership with EIT Climate-KIC;
- 500 million tons of CO<sub>2</sub> eq. emissions have been avoided cumulatively (approx. 1/10 annual EU production) and
- We have succeeded in leveraging €100 billion to scale-up innovations tackling climate change.

Ultimately, we aim to become a leader in systemic innovation contributing to a paradigm shift from a linear, industrial production system to a circular, regenerative model, leveraging the power of our unique community of innovators and inspiring change beyond it.



## 2. Highlights in 2021

### 2.1 EIT Climate-KIC at COP26



The COP 26 UN Climate Change Conference, hosted by the UK in partnership with Italy, took place from 31 October to 12 November 2021 in the Scottish Event Campus (SEC) in Glasgow, UK. The conference was set to incorporate the 26th Conference of the Parties (COP) to the United Nations Framework Convention on Climate Change (UNFCCC), the 16th meeting of the parties to the Kyoto Protocol (CMP16), and the third meeting of the parties to the Paris Agreement (CMA3). EIT Climate-KIC lead or contributed to dozens of sessions related to climate innovation during COP 26 ([click here for more](#)) and led the #SystemsChangeNow campaign during the time of the conference ([click here for the campaign page](#)).

#### MoU with the Government of California

The State of California's Governor's Office of Planning and Research and the European Knowledge and Innovation Community, EIT Climate-KIC announced a new peer learning partnership to catalyse innovative solutions in support of California and Europe's ambitious climate agendas in Glasgow. The agreement, signed at COP26, will promote knowledge sharing and project collaboration opportunities



between California's state agencies, facilitated by the Governor's Office of Planning and Research, and EIT Climate-KIC and its partners across Europe.

*"In the spirit of international cooperation that the UN Climate Change Conference embodies, the Office of Planning and Research is pleased to create this global peer-learning partnership with the EU's EIT Climate-KIC,"* said Sam Assefa, Director of the Office of Planning and Research. *"For decades the European Union and California have demonstrated climate leadership and innovation, and our team at OPR looks forward to accelerating climate action with the EIT Climate-KIC team and network."*

For the past year, EIT Climate-KIC has been working closely with the Office of Planning and Research to learn and collaborate on projects that bring together both European and Californian innovation and solutions to climate challenges.

[\(Click here to read more\)](#)

### New Global Innovation Hub with UN Climate Change

A new digital Global Innovation Hub was launched at COP 26 by UN Climate Change (UNFCCC) to significantly boost the effectiveness and scale of climate change and sustainability innovation as a driver of more ambitious climate action. To achieve this, the hub will have new approaches to facilitate the development and deployment of transformative and innovative climate solutions.

The hub promotes a "moonshot approach" that will assist practitioners to base climate action pledges and commitments on what science says is needed, as opposed to what is perceived as possible with current solutions and technologies. The initiative is launched by the UN Climate Change and supported by core partner organisations such as EIT Climate-KIC, the Research Institute of Sweden (RISE), the European Commission, Mission Innovation, and the Open Earth Foundation.

The hub aims to support the translation of commitments and pledges into demand for climate and sustainability solutions that will drive the identification or development of innovative responses and their effective implementation. Innovative responses beyond current solutions mean that pledges and commitments can become significantly more ambitious.

[\(Click here to read more\)](#)

## Glasgow Race to Resilience at COP26

EIT Climate-KIC has been selected to join the Race to Resilience, a UNFCCC High-Level Climate Champions campaign, that aims to catalyse action by non-state actors that builds the resilience of four billion people from vulnerable groups and communities to climate risks by 2030. Some regions of Europe are particularly exposed to the impacts of climate change due to the make-up of their landscapes, economies and societies. EIT Climate-KIC's programme, [Resilient Regions Deep Demonstration](#), is devoted to bringing a systemic lens to climate change adaptation in Europe.

The programme uses a comprehensive approach to shift regions' hazard-by-hazard risk reduction practices to a state where people, communities and systems can withstand and bounce back from shocks, to persist through slow-onset stresses and transform through crises. Early partners include regional governments in Andalusia, Nouvelle-Aquitaine, the Dolomites and the Glasgow City Region.

[\(Click here to read more\)](#)

## Week of Action in the lead up to COP26

Hundreds of citizens, entrepreneurs and young professionals rallied together for the EIT Climate-KIC Week of Action to celebrate international climate action in the lead up to the UN Climate Change conference. Spanning the week of 25-31 October, the virtual event highlighted the transformative, climate-positive ideas and solutions conceived via EIT Climate-KIC's educational and entrepreneurship programmes: [Climathon](#), [ClimAccelerator](#), [Pioneers into Practice](#), [Journey](#), and [ClimateLaunchpad](#).

From mobility to energy to finance, a different climate-related challenge marked each day of the event with inspiring workshops, interviews, and panel discussions streamed live across social media. In total, the event broadcasted 25 hours of live streaming and engaged with over 50 experts working across the sustainability sector.

ClimAccelerator's packed programme offered both aspiring entrepreneurs and spectators a front-row seat to hours of innovation insights by climate start-up CEOs, tips and tricks for funding your next green venture, and deep dives into the entrepreneurial ecosystems of Europe and beyond. These recorded sessions can be viewed on the [ClimAccelerator & Climate Innovators YouTube channel](#).

Throughout the week, Climathon events took place simultaneously in nearly 100 cities across the globe, where participants worked together to co-create solutions for local climate challenges such as energy consumption, food waste, mobility and finance. This year over 200 cities hosted a Climathon, which marks the largest number of participating cities since the ideathon's inception. The live daily check-ins with local organisers and past Climathon winners can be viewed on the [Climathon YouTube channel](#).

Meanwhile, the Climatelaunchpad programme kicked off its three-day global competition for green business ideas. The Global Grand Finals featured 70 of the world's most promising cleantech start-ups representing 55 countries. The team [SMDPower Solutions](#) placed first for its AI-driven IoT for existing air conditioners that helps cool rooms sensibly and reduce electricity. The top 16 pitches from the Global Grand Finals can be viewed on the [Climatelaunchpad website](#)

## 2.2 Deep Demonstrations

### Circular Slovenia named in 100 Climate Policy Breakthroughs



**January 2021** – The peer-to-peer learning platform for governments, [Apolitical](#), included EIT Climate-KIC's *Deep Demonstration of a Circular, Regenerative and Low-Carbon Economy* in Slovenia as one of its [100 Climate Policy Breakthroughs](#). The list celebrates meaningful climate action and impactful policies from around the world with the potential for scalability and effective change.

"The list was created from extensive in-house research, and [the Slovenian Deep Demonstration programme] policy was specifically selected as an example of impactful climate action that could inspire other policymakers," says Ali Hunter, Climate Policy Fellow at Apolitical.

### Inclusive guide helps communities build urban resilience

**March 2021** – A new [Urban Action Kit](#), launched by the International Federation of Red Cross and Red Crescent Societies (IFRC) and the Climate Centre, and supported by EIT Climate-KIC and partners, offers a guidebook and activity cards for community organisations working on urban climate resilience. The kit features a case study from EIT Climate-KIC's [Resilient Regions Deep Demonstration](#).

The Urban Action Kit is a set of resources, including [videos](#), to help volunteer networks in cities mitigate and adapt to climate change. It's available in 12 languages and covers topics ranging from communications, nature-based solutions, water and sanitation, urban agriculture, health, early warning, early action and liveability.

The included case study, "Cartoon-a-thons to explore complex urban issues and transformation," is based on work done by the EIT Climate-KIC Resilient Regions Deep Demonstration and, specifically, an accompanying cartoon-a-thon held in July 2020 that explored the following questions: What is system-scale intervention? How do we center community in our climate resilience efforts? And, how do we help transition away from short-term thinking and mindsets? Representatives of regions participating in the Deep Demonstration were invited to take part, including Spain's Andalusia region, France's Nouvelle-Aquitaine region, the Italian Dolomites and Scotland's Glasgow region.

### Krakow: transforming the city towards climate neutrality

[April 2021](#) - Poland's former capital and one of its oldest cities, Krakow, is embarking on a transformative journey towards fast decarbonisation. The city is taking part in EIT Climate-KIC's [Deep Demonstration of Healthy, Clean Cities](#), and has set ambitious goals to become carbon neutral and inclusive. The past year has seen a major breakthrough in the city council's approach from siloed to systems thinking, leading to a series of experiments developed to bring the city closer to carbon neutrality.

The common goal of EIT Climate-KIC and the city of Krakow was to expand the city's existing initiatives, link them together and fill strategic gaps to build a portfolio of experiments. They started with a series of meetings and workshops on systems thinking, policy innovation and much more. A study trip to Leuven in Belgium was organised so that the Krakow authorities could take a close look at the city, which is known for its innovative transformation. "This process was born out of the idea that it is crucial to have a long-term vision for reducing greenhouse gas emissions in order to be convinced that our actions are aimed at making a greater impact on the climate situation. Participation in this process is of strategic importance to us. When we joined Deep Demonstrations two years ago, we had high expectations for this programme and the opportunities that were presented to us exceeded our expectations," says engineer and Deputy Director of the Municipal Services Department, Andrzej Łazęcki.

"The first period was dedicated to social initiatives involving citizens, for example, 'Tables of the Future – how do you imagine Krakow in 2050.' Then, in the second half of 2020, experiments were developed, we focused on mobility and retrofiting. We also created a citizen's assembly in 2021 to find out how the city and residents can increase the level of renewable energy and energy efficiency. This is very innovative and goes five steps beyond what other cities here can even imagine," Łazęcki adds.

[\(Click here to read more\)](#)

### Moving beyond 'brown coal' in Europe's rural regions



**September 2020** – Together with its partners, EIT Climate-KIC is leading a process aimed at supporting stakeholders in three European lignite regions to transition from high economic dependence on lignite to a low-carbon future. Lignite is considered the lowest rank of coal, or 'brown coal'. It is one of the most polluting forms of coal because its lower density means more needs to be burned to produce a unit of power. The "Reboost – a Boost for Rural Lignite Regions" initiative, involving Lusatia in Germany, Eastern Wielkopolska region in Poland and Gorj in Romania, intends to engage and empower local actors to develop resilient and

robust sustainable development strategies as part of the [European Green Deal Investment Plan](#) and the Just Transition Mechanism.

The brown coal market is still significant in Europe. The mining of lignite is quantitatively much larger than that of hard coal, as much more coal is needed to produce the same amount of energy. [244 million tonnes](#) of it was mined in Europe in 2020, most of it in Germany, which is the main producer. In 2018, [nine per cent of the total gross electricity generation in the EU was based on lignite](#), equivalent to about 292 000 GWh. Furthermore, Germany accounted for 45 per cent of all lignite produced in the EU.

*“Through working with coal regions across Europe, EIT Climate-KIC develops the most effective approaches to support the just transition. By engaging local change leaders, communities and building connections between coal regions, we create the competence and give empowerment needed for an inevitable transformation. One of the main blockages we identified when exploring lignite regions in the EU is the lack of dialogue, cooperation and effective ways to learn from each other. The aim of this project is to facilitate dialogue between regions at different stages of the transition.”* – Joanna Sabat, Reboost leading Developer, Ecosystems Development, Demand Generation and National Systems Transformation CEE, EIT Climate-KIC. The initiative explores the political, socio-economic and geographic characteristics of the regions through a variety of tools.

One of the most important is the strategic simulation technique to help engage local stakeholders in designing and exploring alternative development paths. The initiative also promotes reskilling and stakeholder coalition building for regional transformation and explores the possibilities of implementing any promising future development options discovered. The project also explores the opportunities for increased engagement in EU policy processes and funding opportunities.



## Gipuzkoa's quest for sustainability



**October 2021** – Gipuzkoa, the smallest Spanish province located in the Basque Country, has embarked on a strategic collaboration with EIT Climate-KIC to lay the groundwork for a transition to a more sustainable economic, social and environmental future. The process is driven by the transformative Deep Demonstration process, which provides conditions for social experimentation and systemic innovation.

Gipuzkoa may be small, but economically and technologically it is **one of the most advanced provinces in Spain**, mostly due to its high manufacturing activity. The province is now setting off to become a carbon-free economy and the most inclusive society in the world.

In collaboration with EIT Climate-KIC, Gipuzkoa aims to include sustainability and adaptation to climate change in their regional development strategy **Etorkizuna Eraikiz** ("Building the Future"). The collaboration, endorsed by the Basque Government, also includes the Provincial Council of Gipuzkoa, the Organisation for Economic, Cooperation and Development (OECD) and a wide range of local agents.

The initiative aims to transform systems through experimentation and learning – key components of the innovative **Deep Demonstration** methodology process. The cornerstones of the Gipuzkoa challenge are the development of economic

competitiveness and social cohesion through system transformation. This objective, together with the goal of becoming the least unequal territory in Europe, will shape the institutional agenda of the Provincial Council of Gipuzkoa in this decade and is part of the Basque Government's commitment to a greener, digital and more inclusive future.

EIT Climate-KIC's collaboration with the Gipuzkoa region stems from previous mutual endeavours in the Basque Country, including another Deep Demonstration process in the Debagoiena region and cooperation with the [Agirre Lehendakaria Center](#) and the [Debagoiena 2030](#) initiative, which includes [Mondragon Corporation](#), known for its cooperative structure.

[\(Click here to read more\)](#)

### Dolomites forging climate resilience



**November 2021** – The Italian Dolomites, a UNESCO World Heritage Site, are actively pursuing adaptation measures based on a systemic approach as part of their fight against the climate crisis. Under the Deep Demonstrations programme “Forging Resilience in Dolomites”, the authorities of four Dolomite provinces have for the first time jointly discussed climate change adaptation measures. The portfolio of co-designed actions touches on areas such as transboundary cooperation, education, youth mobilisation and democratisation of climate action in rural areas.

This long-term process, which began in 2019, aims to support communities in the Dolomites to foster the resilience to extreme climate-related events. It also addresses the economic and financial uncertainties and the resulting social changes. The process brought together partners such as the [Edmund Mach Foundation](#), the [Innovation Hub Trentino](#) and the [University of Trento, Department of Civil, Environmental and Mechanical Engineering \(DICAM\)](#).

The collaboration has developed a portfolio of activities focused on three main areas: forestry and agriculture, tourism and community engagement. Activities related to forestry focus on promoting long-term conservation and biodiversity while maintaining productivity, mapping ecosystem services at the local level and modeling and forecasting the impacts on forests, promoting the development of insurance scheme for the forest ecosystem services (with the pathfinder project "[Holistic Resilience](#)"). The project also focuses on promoting sustainable tourism, flexibility and sustainable management of tourist flows, and how to mitigate and compensate for the impacts of tourism.

The initiative also aims to identify strategies and tools to support innovation in mountain areas, but also new technologies and new collaborations for warning systems that can reach remote areas. Current activities also focus on engaging citizens and tourists in mitigation strategies, as well as skills and capacity building among the younger generation.

[\(Click here to read more\)](#)

## 2.3 Innovation

### New tool uses satellite imagery to accelerate sustainable agriculture

**January 2021** – Agriculture is responsible for over 20 per cent of global greenhouse gas emissions. The complex, globalised nature of agricultural supply chains presents a massive data management challenge for companies: crops are traded globally, but their footprints are calculated locally. To reduce their footprint and meet ambitious targets like carbon neutrality, companies need to first understand the impact of how their crops are grown and managed.

Supported by EIT Climate-KIC and developed by its partner Quantis, **geoFootprint**, a sustainable agriculture tool launched in January 2021. It combines data from satellite imagery with environmental metrics, allowing users to visualise the footprints of key commodity crops on an interactive world map at high resolution.

With geoFootprint, companies and stakeholders across the supply chain can now instantly simulate the environmental footprints of crops, bringing visibility to on-the-farm and upstream impacts (deforestation, fertiliser use, irrigation, land management and other factors), allowing for faster, better-informed and more sustainable decision making. Moreover, geoFootprint enables users to assess the risks posed by changes in climate, water availability and quality, soil health, and biodiversity to secure supply chains and the future of food.

An **open-access version** of geoFootprint is available for non-expert audiences, students and other stakeholders to expand public knowledge on sustainable agriculture and the crop production risks posed by climate change.

A multi-stakeholder initiative, geoFootprint was built collaboratively with more than 25 public, private and academic partners aiming to accelerate sustainable agriculture through innovation.



## New videogame builds climate awareness among players



February 2021 – [Change Game](#), a videogame financed by EIT Climate-KIC and designed by an Italian research centre dedicated to climate change, the [CMCC Foundation](#), confronts the complexity of climate change, and how it interacts with society and natural ecosystems.

"Change Game allows people to learn, while playing, about many aspects of climate change, even if they are not very familiar with its impacts or with strategies to reduce emissions. Players do so by managing the production and consumption of energy, water and food, while coping with natural disasters. They also have the opportunity to adopt innovative solutions, to exploit the technologies of the future, to influence people's behaviour while interacting with nearby cities and to face scenarios that we already see happening in the real world," says Eleonora Cogo, Senior Scientific Manager at the Euro-Mediterranean Centre on Climate Change (CMCC).

Change Game represents the complexity of the climate system and its interactions with humankind and natural ecosystems. To translate this complexity in an accessible way, [teachers and educators can use accompanying materials](#), which can help them foster a better understanding of the underlying assumptions that govern the climate change process. Scientifically grounded, the video game aims to encourage a debate among players about what innovations are necessary to create resilient and zero-emission societies.

## How blended finance can catalyse building renovation



May 2021 – The [whitepaper](#) “How blended finance can catalyse building renovation” argues a successful response to the climate crisis is one in which the burden of change is distributed equally and outlines an approach to achieve this in the field of building retrofit, based on ongoing work with the City of Milan.

The built environment, responsible for about 40 per cent of our carbon emissions, requires many and diverse actions to significantly impact our GHG emissions trajectory, such as better insulation to reduce heating emissions, more efficient heating systems, renewable energy, minimising construction waste, reusing materials and, in particular, switching to carbon-negative building materials such as timber grown by sustainable forestry. We have made great progress in constructing climate-friendly buildings that are increasingly affordable. These buildings shall become the gold standard for construction all over the world in the not-too-distant future. Another hard nut to crack though is the renovation of existing buildings. At present, Germany renovates about one per cent of its existing building stock per year; this number needs to increase four-fold if the country is to achieve its climate targets.

In “How blended finance can catalyse building renovation”, members of the EIT Climate-KIC community propose undertaking a “deep community retrofit” that

scales up renovation at the district level rather than implementing piecemeal energy efficiency measures at the household level. Increasing the scale will not only boost the rate of renovation, but also generate co-benefits not possible on an “apartment by apartment” basis. They also propose engaging whole communities in the renovation of common areas to create the conditions for pooling investments and demand. This in turn will create the local construction jobs that are desperately needed to lift Europe out of the pandemic-induced recession.

### Boosting resilience through climate risk information

**December 2021** – EIT Climate-KIC explores ways to accelerate the transition to a more resilient world through cutting-edge innovation projects. One of the key challenges discovered in these projects is, that adapting to climate change and extreme weather events requires decision-support tools to validate measures dealing with risks. The new CRISI-ADAPT II tool offers decision-makers exactly this kind of objective support and is now market-ready.

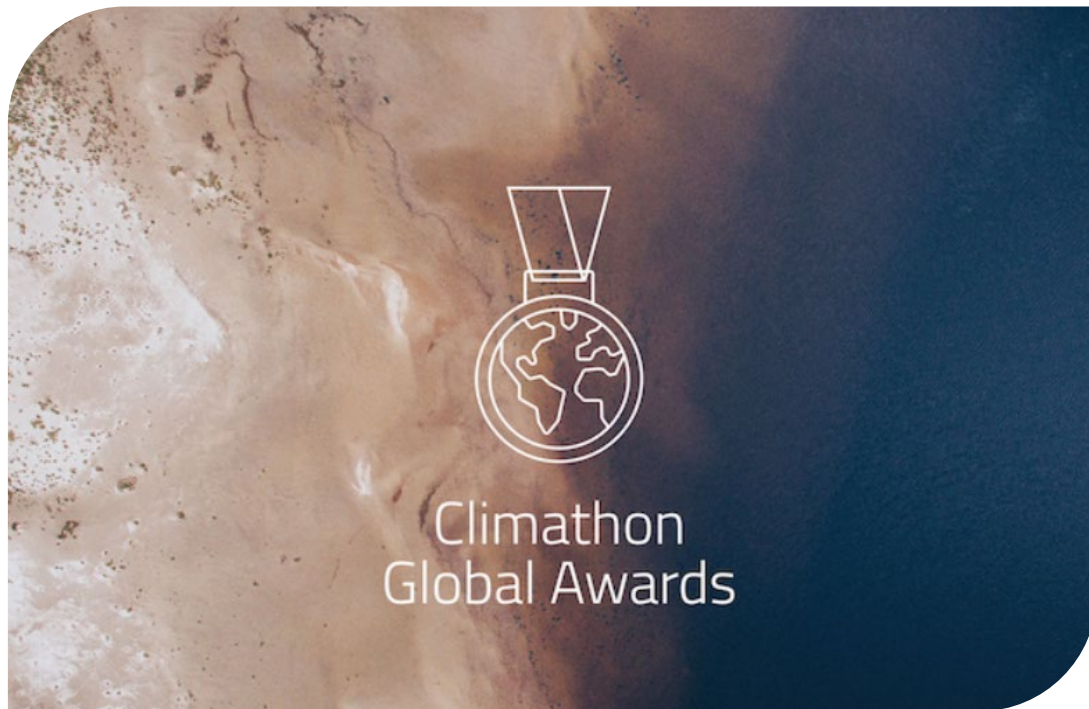
The **CRISI-ADAPT II** project aims to monitor and improve the planning of adaption measures through real-time validation based on a site-based and seasonal forecast of climate risks. The tool simulates the main risks of future decades and assesses regional or local climate-induced hazards through statistical downscaling of the most recent Earth System Models (Coupled Model Intercomparison Project – Phase 6, used as a basis for the last IPCC report). The GIS-based platform integrates vulnerable elements, climate hazards and derived impacts, modelled by sectoral experts. This innovative solution is now available for city governments, investors and traders from all sectors potentially affected by climate impacts. This includes public services or critical infrastructure, such as ports, airports, water management (source availability, treatment, supply and sanitation), energy (generation and supply), commodity (production and commercialisation) and others. The tool and derived climate services can be contracted for an affordable annual price. However, the real financial value of the tool is to identify significantly less costly local measures resulting in the same climate or risk adaptation effects.

Currently, the tool is fully developed to support decisions in at least four strategic sectors: (1) flooding and emergency response; (2) port infrastructure and operations; (3) water management for supply, agriculture and the environment; and (4) energy planning. However, the tool is easily adjustable for any climate-related sector.



## 2.4 Entrepreneurship

Green Invest from Stuttgart and Start Park from Florence win Climathon Awards 2020



**January 2021** – A total of 140 teams of citizen finalists applied for the **Climathon Awards**, which marks the five-year anniversary of Climathon, a one-year programme that offers a platform for organisers, partners, citizens and hundreds of cities. It allows participants to gain international recognition and showcase how cities can transform towards a net-zero carbon economy, as well as mitigate and adapt to climate change.

The Climathon Awards rewarded citizen teams in two categories: **"Most transformative idea of 2020"**, which recognises the 2020 idea with the potential to create long-lasting societal and behavioural change, and the **"Most improved idea since 2015"**, which celebrates the team that has improved the most since taking part in a previous Climathon.

More than 13,000 people voted online for their favourite solution. The jury, a panel made up of Climathon organisers, Impact Hub Global, Microsoft, Facebook and the WWF, then selected the winners from the top six teams who won the public vote.

[Green Invest](#) won the category “[Most transformative idea of 2020](#)”. They bring together local green projects in needs of investment with individuals who want to invest their money sustainably and with good returns.

To celebrate the five-year anniversary of Climathon, EIT Climate-KIC also awarded the “[Most improved idea since 2015](#)”. The winning citizen project, [Start Park](#), comes from Florence, Italy, and participated in Climathon in 2017. The team uses nature-based solutions to enhance outdated design and architecture of city green spaces while diffusing awareness about climate change. A first Start Park prototype is already underway in the city of Prato, Italy, involving both the local community and the municipality, with plans to scale to the city of Lucca. The team will work with Microsoft’s Worldwide Sustainability Community to continue their progress.

### [GreeMko receives Climate Reality Project Award in Spain](#)



[March 2021](#) – [GreeMko](#) (for Green Management Technology), a Spanish start-up that entered the EIT Climate-KIC Accelerator in 2020, won one of the Climate Reality Project’s “Climate Leaders Awards” in Spain with its environmental performance calculation tools.

Launched in 2019, and one of the 13 projects selected in 2020 for the seventh edition of the [EIT Climate-KIC Start-up Accelerator in Spain](#), GreeMko designed a tool to help businesses measure and analyse their emissions as well as their

environmental performance. In addition to collecting CO2 emissions data, they also look at the electricity, fuel and water consumption, as well as waste generation of a product, event or project. Their aim is to encourage companies to become more sustainable and better prepare for a market that increasingly demands more environmental transparency.

Created by former vice president of the United States, Al Gore, the awards of the [Climate Reality Project](#) Europe recognise people, companies and entities that have excelled in the last year in the fight against climate change.

### [ClimAccelerator launches new programme and consortia of partners](#)



**March 2021** – Over the past ten years, the EIT Climate-KIC's accelerator programme has been the main climate innovation solution provider, with over 1,500 solutions supported and nearly €1 billion of capital secured. Capitalising on a decade of success, the revamped [ClimAccelerator](#) programme has assembled a consortium of strategic partners to scale climate-positive solutions globally.

With the European Green Deal and Paris Agreement as north stars, start-ups, partners, local governments, and other cleantech industry experts can join forces to innovate, catalyse, and scale the power of their climate-positive solutions. This

programme goes beyond the European borders, building a bridge between our world's industry experts and systems to break new ground in carbon reduction.

The programme is formed by consortia of partners and focused on the following strategic themes:

**ClimAccelerator *Cities*** – Cities face an enormous challenge in becoming resilient, healthy places to live while reaching net-zero emissions in just a few short years. EIT Climate-KIC is working with 15 of the most ambitious mayors, municipalities and city communities in Europe to design portfolios of joined-up innovations capable of unlocking wholesale transformation across all city systems – from mobility to waste, from energy to health, and the built environment. Our first cohort of city partners includes Amsterdam, Edinburgh, Kraków, Križevci, Leuven, Madrid, Malmö, Maribor, Milan, Niš, Orléans, Sarajevo, Skopje and Vienna.

**ClimAccelerator *Carbon Removal*** – Removing and storing more carbon dioxide from the air than we put into the atmosphere brings us one step closer to reaching net-zero emissions. Carbon removal has two sub-categories, nature-based carbon removal (e.g. tree planting) and tech-based carbon removal (e.g. carbon capture and storage), with lead partners ETH Zürich and TU Delft.

**ClimAccelerator *Maritime*** – The maritime sector accounts for 90 per cent of global trade and 2.2 per cent of global greenhouse gas (GHG) emissions – a figure projected to increase threefold by 2050. We are working with partners on land (ports) and at sea (the shipping industry) who share our ambition to create a circular, inclusive and net-zero-emission maritime sector. These include lead partner Cyprus University of Technology and key partners Chrysalis Leap, Cyprus Energy Agency, Port and University of Valencia, Port of Hamburg, Digital Hub Logistics Hamburg, unifund and ATHENA; and the ports of Piraeus, Valencia, Cyprus, Hamburg and Tel Aviv.

**ClimAccelerator in the EIT Regional Innovation Scheme (RIS)** – Accelerators operating in 14 **RIS** countries across Europe nurture a green start-up ecosystem grounded in low carbon innovation. The aim is to significantly boost local capacity to implement the highest impact ideas. Our lead partners include BGI Building Global Innovators and a consortium covering Portugal, Malta and Cyprus; Riga Technical University and a consortium covering Latvia, Estonia, Lithuania and Slovakia; Impact Hub Czechia and a consortium covering Croatia, the Czech Republic, Greece, Serbia and



Slovenia; And Impact Hub Bucharest and a consortium covering Romania and Bulgaria.

EIT Climate-KIC is curating an operating system that enables different local acceleration initiatives to design and run effectively, as well as attract more resources and improve the impact of their start-ups. Organisers of acceleration programmes around the world can apply for a license in their jurisdiction and on a theme of their choosing.

### New equity crowdfunding programme unearths cleantech start-ups



**April 2021** – Over the last ten years, EIT Climate-KIC has helped innovators transform ideas into early-stage start-ups that apply commercial logic to the climate challenge. However, these start-ups require equity investment to better grow, take risks and work towards a net-zero and resilient economy.

Found by us, funded by you, a new start-up investment programme by EIT Climate-KIC and Seedrs, aims to unearth interesting cleantech start-ups and provide

investors with a rolling pipeline of climate-aligned investment opportunities. The programme is hosted on the Seedrs platform, enabling easy access to detailed information about the featured start-ups, including terms, pitch decks and founder Q&As. Seedrs also allows start-ups to close funding rounds faster, to focus on developing their core business.

Visit the Seedrs platform [here](#) to find out more. Please note that investing in start-ups carries high risk to your capital.

### Five EIT Climate-KIC community members in Forbes 30 under 30 list

**April 2021** – Twelve entrepreneurs from across the EIT community have been recognised by Forbes in its prestigious annual list of European entrepreneurs, including five innovators from EIT Climate-KIC:

**Zeleros\_Hyperloop** designs new technologies for a more sustainable and efficient transportation of people and cargo worldwide. Their hyperloop-inspired system combines the speed of a plane, the convenience of a train and the frequency of an underground system, making long distance journeys faster, more energy-efficient and direct-emissions free. EIT Climate-KIC connected with the Zeleros team and helped them shape their innovative ideas into a market-ready product.

Nima Tisdall and her Danish start-up company **Blue Lobster** challenges the industrialised fishing industry by changing the supply chain, premiering a local and sustainable approach to how fish is caught, sold, bought and consumed. Through their app, they connect local fishermen with nearby restaurants, providing consumers with fresh, locally-sourced produce every day. In 2019, Blue Lobster was chosen within the top 16 out of 2,600 start-ups in the EIT Climate-KIC ClimateLaunchpad, the world's largest green business idea competition. This led to a place in the EIT Climate-KIC Accelerator Stage 1, a mentorship programme where the start-up gets funding and mentorship support to leverage their business.

**Mimbly** develops sustainable water solutions and their innovative product is the MimBox, an add-on recycling device for washing machines. The product results in water savings, energy savings and the capturing of microplastics. Mimbly was supported by EIT Climate-KIC through the accelerator programme and Isabella Palmgren was nominated for the EIT Woman Award in 2018.

**Future Closets** from Mikaela Larsell Ayesa provides the easiest way to adopt second-hand clothes and reduce your closet's footprint. The company is supported by EIT Climate-KIC and was selected as one of the ten start-ups to enter the EIT Climate-KIC Nordic Accelerator.

**Resourcify** by Gary Lewis provides a cloud-platform for digital waste management with a focus on simplicity, neutrality and sustainability. With the digitisation of recycling, the company aspires to help the world transition to a sustainable and circular economy. Resourcify originally partnered with the EIT via EIT Climate-KIC who helped them to take the basic concept and turn it into a viable business case. The company then partnered with EIT RawMaterials to bring the solution to market.

### €5.2m for Estonian innovation to help stabilise grid as renewables increase



**April 2021** – EIT Climate-KIC supported Estonian start-up **Sympower** has raised €5.2 million in funding from Kees Koolen, former CEO and Chairman of Booking.com, among others. The company, which produces software that enables the balancing of renewable energy supply and demand, helping to secure grid stability, aims to use the new funding to expand into the European green market and help accelerate the transition to renewables.



Sympower, a company founded during its participation in EIT Climate-KIC's [ClimateLaunchpad](#) and [Accelerator](#) programmes, has produced a solution that stabilises energy grids and offers real-time monitoring and balancing of electricity supply and demand. The solution also projects the unlocking of new revenue streams by maximising the value of flexibility across energy markets and industries.

"Raising our Series B funding marks an important milestone in Sympower's journey and will help our mission to accelerate the global energy transition. The last year has seen a real boom in renewables and a stronger regulatory push from the European Union, which means now is the perfect time to increase our capabilities and European reach. Flexibility is vital for the energy transition and will play a crucial role in a fully renewable energy system that forms the basis of a sustainable world," said the CEO of Sympower, Simon Bushell, who was featured in the Forbes 30 under 30 Europe List .

### [Circular bioeconomy start-up receives €2 million from European Innovation Council Fund](#)

[May 2021](#) – EIT Climate-KIC supported [Lixea](#) (formerly Chrysalix Technologies) has received a €2 million investment from the [European Innovation Council \(EIC\) Fund](#). The company has invented a process that uses waste materials and sustainable biomass to support a circular bioeconomy – an alternative to today's polluting and wasteful petrochemical industry. The funding will be used to reinforce the continued operation of Lixea's plant and support process optimisation.

A prominent member of the EIT community, Lixea was a participant in EIT Climate-KIC's Accelerator. It won third prize at EIT Climate-KIC's green business ideas competition, Climate Launchpad, in 2016 as well as a €25,000 runner-up prize in the 2018 edition of the Climate Impact Battle, an EIT Climate-KIC start-up competition hosted at Slush. Florence Gschwend, Co-founder and CTO of Lixea, won the EIT Change Award and was featured on Forbes' 30 under 30 Europe list in 2017.

The new funding complements a previous EIC grant of €2.3 million, and Lixea is moving from its previous lab and testbed-based work to a facility. The pilot plant will be based in Bäckhammar, Sweden, and is currently under construction.

"The EIC Fund investment will enable Lixea to accelerate the commercialisation of their technology for converting wood waste into renewable chemicals, materials and fuels as reliable green alternatives to the petrochemical industry," said Martin Bruncko, member of the EIC Fund Investment Committee.

## 2021 ClimateLaunchPad Winners



October 2021 – EIT Climate-KIC's [ClimateLaunchpad](#) – the world's largest green business ideas competition – has announced the three winners of its 2021 edition: [SMDPower Solutions](#) (India), [Entomo Farm](#) (Zambia) and [Qaptis](#) (Switzerland). Over 2,100 climate tech start-ups from over 55 countries participated in the initiative that aims to unlock the world's cleantech potential to tackle climate change.

The overall winner [SMDPower Solutions](#), an energy start-up from India, designed an AI-driven IoT for existing air conditioners to cool rooms sensibly and reduce electricity waste. Its control algorithms save more than 50 per cent of electricity otherwise required to power a split-system air conditioner.

Runner-up business [Entomo Farm](#) from Zambia tackles the challenge of providing affordable, sustainable, healthy and organic feed and food options, by supplying organic livestock feed based on edible insects. Its high protein and nutrient content make it perfect for a variety of applications, offering a healthier and more sustainable source of feed to local farms and communities.

[Qaptis](#) from Switzerland took the third place with their kit to retrofit heavy vehicles (such as trucks and ships) and stationary engines to capture CO<sub>2</sub> emissions without any energy loss. The kit can capture up to 90 per cent of the CO<sub>2</sub> and store it in liquid

form, which can then be reused in different applications (materials, plastics, synthetic fuels).

The three 2021 global ClimateLaunchpad winners were chosen by an expert jury that looked at business potential as well as social impact, job creation, climate impact and the quality of the business pitch. They were categorised in seven main themes: Adaptation and Resilience, Circular Economies, Urban Solutions, Clean Energy, Sustainable Mobility, Food Systems and The Next Big Thing.

### ClimAccelerator offers innovative jolt to 37 start-ups in Baltic States and Slovakia



November 2021 – The launch of the place-based **Baltics & Slovakia ClimAccelerator** identifies and incubates high climate impact and significant climate adaptation solutions. Sharing a vision of a sustainable future, the **EIT Regional Innovation Scheme (EIT RIS)** countries of Estonia, Latvia, Lithuania and Slovakia are joining forces to boost the development and deal flow of cleantech start-ups.

They come together in the newly revamped ClimAccelerator which has already received almost 100 applications from Latvian, Lithuanian, Estonian and Slovakian start-ups of which 37 were selected by a professional jury.

These start-ups will participate in a three-stage **ClimAccelerator programme** and learn the fundamentals of business, product development, and investment strategies. Beyond guaranteed funding available at each stage, selected entrepreneurs will benefit from hands-on workshops, equity-free investments, personalised coaching, networking, and access to investors.

“Riga Technical University is proud to be the leading partner of the consortium, and we believe that the intensive two-month program will benefit startups to take their venture to the next level, and also strengthen our partnership to continue to work towards our common goal: creating a green and sustainable future for Europe and beyond,” said Pizika.

Together, these organisations offer expertise in green business development, innovation, and commercialisation support:

**Clean Tech Estonia** – An Estonian cleantech sector development powerhouse aimed at empowering research and innovation towards impactful and systematic sustainability.

**Riga Technical University** – The only polytechnic university in Latvia and the largest university in the country.

**Green Tech Cluster** – A cooperation platform for the development of green and smart technologies in Latvia and Baltic Sea Region.

**Sunrise Valley Science and Technology Park** – A Lithuanian non-profit organisation specialised in entrepreneurship development, business promotion, science collaboration, and other innovation support services for young, innovative enterprises.

**Civitta** – A Slovakian management consulting and data analytics company catering to corporations, start-ups, SMEs, governments and NGOs.

The results of the **Baltics & Slovakia ClimAccelerator** programme are guaranteed to innovate, catalyse, and scale the potential of high-impact solutions. Start-up by start-up, the RIS community inches closer to industry transformation and shaping a climate-positive new normal.



## 2.5 Education

### Young Innovators celebrate three years of education innovation on World Environment Day



**June 2021** – Saturday 5 June marks the United Nations’ international day for encouraging worldwide awareness and action to protect our environment. But above all, World Environment Day offers a global platform for inspiring positive change. This has been the mission of EIT Climate-KIC’s Young Innovators programme, which has evolved from an ambitious undertaking to modernise secondary education to an international success story since its launch in 2018.

The programme offers teachers and students a pathway for problem solving and creativity in the face of climate change, and the opportunity to engage and mobilise their local communities and schools to collaborate on real-world climate challenges.

In fact, it is the challenge-led programme in Europe supporting climate innovation through a wide net of partnerships with schools, cities, governments and industry. Students are equipped with the skills and competencies needed to become changemakers and lead us towards a prosperous, inclusive and zero-carbon society.

What began as an educational experiment involving 22 schools has now expanded five-fold, impacting the lives of 3,900 students and 1,500 teachers across 167

schools. The Young Innovators programme currently operates in 24 countries spanning Europe, the United States and South America.

By teaching the complexity of interrelations, creativity and problem-solving skills, the programme aims to:

Prepare students for green jobs with climate innovation competencies which will be key to career resiliency.

Empower students and teachers through participatory democratic decision making, helping them develop collaborative ways of working, and translating ideas into actions.

Enable change-makers and their capabilities of mobilising others to generate collective climate action.

Engage teachers, school directors, industry partners and governments in developing local ecosystems that are unified in tackling climate challenges.

Through workshops, visual tools, challenge-led learning and a well-researched innovative methodology, EIT Climate-KIC trains partners, teachers and educators to deliver the programme worldwide to maximise impact and accelerate students' transition toward low-carbon lifestyles.



## 23 pilot projects unlock higher education's innovation potential



**July 2021** – The European Institute of Innovation and Technology (EIT) has announced **23 winning consortia** for the EIT's **HEI Initiative: Innovation Capacity Building for Higher Education Pilot Call for Proposals**. 135 Higher Education Institutions (HEIs) and 140 non-academic organisations from 32 countries will benefit from the EIT's HEI Initiative and will see up to €27.5 million of funding supporting their innovation capacity.

This new initiative will support HEIs with expertise and coaching, funding and access to the EIT's innovation ecosystem, Europe's largest innovation network. The Pilot Call for Proposals invited HEIs and local partners across Europe to design institution-wide action plans to improve their entrepreneurial and innovation capacity across all institutional levels. By supporting such activities, this new EIT initiative will create systemic impact, empowering HEIs and fostering sustainable growth and jobs across Europe.

EIT Climate-KIC is a partner in the following projects:

**HEIght**: An initiative of a pan-European consortium of four forward-thinking higher education institutions (HEIs) and one actor from another side of the knowledge triangle, united to cultivate a mutually beneficial and collaborative consortium. It leverages existing innovation and entrepreneurial knowledge of all partners and draws on the resources of HEInnovate to spur on growth of the sustainable innovation in our communities and in our institutions.

**CHIC:** The Norwegian University of Science and Technology; Nord University; City, University of London; and the University of Split will share their impactful innovation and entrepreneurship capacity-building activities ('Spark\*', 'Teaching Entrepreneurial Mindset', 'Engineering Ladder', 'Museum of Entrepreneurship', and 'E3 Initiative') with the other higher education institutions in the consortium. By sharing these unique entrepreneurship and innovation activities, the consortium will contribute to increasing the entrepreneurial and innovation capacity of the higher education sector across Europe and, consequently, boost sustainable economic growth and competitiveness in the EU.

**Inno-EUt+:** The Innovative European University of Technology (Inno-EUt+) is a higher education institution (HEI) Initiative project aiming to enhance the innovation and entrepreneurial capacity of a new European university alliance, the European University of Technology (EUt+). The partners of the alliance are already committed to gradually integrating educational and research activities, cocreating opportunities for their staff and student bodies across all campuses of the alliance. EUt+ is about the future and 'puts humans first', recognising the roots of their constituents and joint forces while taking into account inclusion, multilingualism and multiculturalism aspects. Together with its non-HEI partners, the Water Alliance (NL) and Chrysalis LEAP (CY), Inno-EUt+ spans across all corners and the heartland of Europe and creates a strong knowledge triangle in order to develop staff and students and transform both its HEIs and the Alliance.

Each selected pilot project can be awarded a maximum of €1.2 million with up to €400,000 for Phase 1 (July to December 2021) and upon successful completion a conditional €800,000 for Phase 2 (January 2022 to July 2023).

## New learning partnership established



**December 2021** – EIT Climate-KIC is partnering with the Swedish International Development Cooperation Agency and the Dutch Ministry of Foreign Affairs on a two-year **Systems Innovation Learning Partnership**. The partnership aims to foster a community of practitioners within our organisations and beyond, that will learn together, building the mindsets, skills, tools and capabilities to make lasting, systemic change in all areas that we work in. This organisational peer-learning approach will enable rapid growth and iteration, providing a safe-to-fail space to experiment with new systems innovation practices and methods, a community with which to reflect on our work, and opportunities to draw on others' expertise in applying systems innovation theory to real cases and projects. By reflecting on and practising systems innovation together with Sida and the Dutch Ministry of Foreign Affairs, the partnership aims to accelerate learning about what works and what doesn't, and to develop actionable insights that will enable our three organisations to make transformative change on the ground, and to contribute to the development of systemic approaches in the international development arena. The partnership was kicked off with a two-part Systems Innovation Learning Festival, in which partners, stakeholders and colleagues of each organisation came together to explore systems innovation concepts, approaches, and case studies, and to reflect on their own systems practices.

## 2.6 EU Affairs

### EIT Climate-KIC welcomes the new EU strategy on adaptation to climate change



**February 2021** – One of the aims of the **new climate adaptation strategy**, released by the European Commission on 24 February 2021, is to shift the focus from understanding the problems to developing solutions (e.g. nature-based solutions for adaptation, investing in climate-proof infrastructure and local adaptation actions), and to move from planning to implementation of adaptation strategies and plans.

The EU strategy highlights the need to accelerate the rollout of adaptation solutions and **mentions EIT Climate-KIC as one of today's key player in that space**: "The lack of access to actionable solutions is one of the main barriers to adaptation. The EU Framework Programme and the **Climate Knowledge and Innovation Community** already support adaptation innovation, but recent analysis shows the need to step it up."

EIT Climate-KIC is working on climate adaptation with multiple and diverse stakeholders across Europe, and with the support of the European Institute of Innovation and Technology.



The organisation is orchestrating a portfolio of connected innovations in climate risk information, resilience and adaptation to activate levers of change simultaneously, experimenting with different ways to nudge critical systems – transport, built environment, health, land use, financial – towards resilience. This includes creating (i) open data platforms and standard-setting, (ii) inclusion of climate risk in financial ratings in credit and bonds, (iii) landscape-level climate risk studies and tailored information service design for public and private infrastructure, (iv) training and financial incentives for de-risking assets and emerging markets (v) public and business understanding of risk through simple schemes and installations, (vi) data and risk literacy approaches (e.g. training academies for civil protection, meteorological offices) and (vii) pro-resilience regulatory and policy recommendations.

Oasis Hub, with the support of EIT Climate-KIC, has already made high quality climate risk information and tools available across Europe. Their services support catastrophe modelling and risk analytics to help understand and manage catastrophe and climate-related risk, and build resilience.

The new EU climate adaptation strategy highlights the importance of fostering local, individual, and just resilience. It says, “The local level is the bedrock of adaptation.” To this end, EIT Climate-KIC developed the Deep Demonstration of Resilient Regions and works with a group of European regions that are particularly exposed to climate impacts. Early partners include regional governments in Andalusia, Nouvelle-Aquitaine, the Dolomites and Glasgow. The programme takes a systems innovation approach to regional resilience and is using a Mission-based logic (the EU missions are an integral part of Horizon Europe framework programme).

“We understand EIT Climate-KIC’s efforts on business creation as one of many essential factors that must all be part of a collaborative endeavour and whole economic and social approach to solving climate adaptation. And today, we are looking forward to building the connections between the locally-led business creation efforts that we have and the ways in which investors and the marketplace can help bring those solutions to scale,” writes EIT Climate-KIC Chief Strategy Officer, Tom Mitchell, in an opinion piece on boosting climate adaptation with innovation.

EIT Climate-KIC urges the creation of a coherent, credible, impactful and usable taxonomy for sustainable investment



**April 2021** – The European Commission has **published** its EU-wide classification system for environmentally sustainable economic activities.

The taxonomy will lay the foundations **for all other measures on sustainable finance** and help define what can be labelled as a sustainable investment in the EU. A unified taxonomy will help build momentum for climate-friendly investments and allow investors, including individuals, to invest their money in line with their sustainability preferences. A robust, evidence-based taxonomy will also make it possible to determine which investments, such as loans, stocks and bonds, are really environmentally sustainable and limit the risk of greenwashing.

While the European Commission – supported by the **Technical Expert Group on Sustainable Finance** (TEG) and later the Platform on Sustainable Finance – was successful in achieving a scientific and evidence-based approach for some economic criteria, the final proposed Delegated Act goes against the science-based recommendations of the TEG for activities related to bioenergy and forestry, with critics **arguing carbon-intensive member states held too much sway**.

“The forestry and bioenergy outcome is disappointing, after a concerted effort and more ambitious recommendations from diverse experts to follow a comprehensive



scientific evidence-based mandate,” said Sandrine Dixon-Declève, Co-President of the Club of Rome and a member of EIT Climate KIC’s Advisory Council and the Platform on Sustainable Finance.

The European Commission announced a provisional agreement between co-legislators [on the new European Climate Law](#), turning Green Deal targets into legal obligations. As one of the key elements of the European Green Deal, the law enshrines the EU’s commitment to reaching climate neutrality by 2050, with the intermediate target of reducing net greenhouse gas emissions by at least 55 per cent by 2030, compared to 1990 levels.

Transitioning to a climate-neutral economy by 2050 will require clear tools and guidance that reflect scientific evidence as well as market experience in order to give companies and investors confidence, helping to grow low carbon sectors and decarbonise high emission ones.

“We strongly recommend that at this point the European Commission demonstrates its leadership and ensures that the Delegated Act defines a coherent, credible, impactful and usable taxonomy for sustainable investment,” said Kirsten Dunlop, CEO of EIT Climate-KIC.

“In order to reach the EU’s 55 per cent reduction targets, it’s critical we see financial flows to green areas and a shift to long-term sustainable finance.”

## 2.7 Communications and outreach



Our overarching goal in 2021 was to leverage communications and outreach to support EIT Climate-KIC's mission and raise our profile as an innovative, mission-driven organisation, helping Europe to lead a new phase of climate action focused on systems transformation. We published more than 90 news stories, features, case studies and people profiles for our content platform, Innovation Review. In support of raising the demand for systems transformation, these stories embrace or connect to the systems perspective.

In 2021, EIT Climate-KIC had more than 2,900 media mentions across Europe and beyond. Articles appeared in 78 countries and in 37 languages. As an example, our Climathon programme was mentioned in about 674 online articles, including in [Forbes](#) (75,8m reach), [Times of India](#) (27,5m reach), [20 Minutos](#) (21m reach), [Onet.pl](#) (18,6m reach) or [Ansa.it](#) (17,3m reach). EIT Climate-KIC work around systems transformations (via the Deep Demonstrations) was also featured in the media all throughout the year. The media in Poland were particularly interested in [our work with the city of Krakow](#) and journalists in Greece reached out to us to hear more about our [Net-zero emissions in maritime hubs project with the Port of Piraeus, for example](#). Our leadership and experts have been also in high demand, and have been featured in different media including in [Icarus Complex Magazine](#) on the topic of circular economy, or in [VICE](#) and [Apolitical](#) on building retrofit, or on Europe's role in tackling climate change [Euronews](#), or on climate adaptation in [Reuters](#).

Additionally, we have built up strong social media channels, with a following that now tops over 216,000 across Facebook, Twitter, Instagram, and LinkedIn. Just our central corporate communications channels created over 1m organic impressions on Twitter and 1.5m impressions on LinkedIn.

## Focus in 2021



In 2021, we worked extensively on our in-person and digital presence at COP26. Our ambition was to showcase EIT Climate-KIC's active role as a practitioner of systems innovation. On site, we were an active programme designer of the UNFCCC Innovation Hub and led or contributed to over a **dozen sessions** in Glasgow (see more in chapter 2.1 of this report). Our **#SystemsChangeNow** campaign highlighted our work contributing in systems transformations through Deep Demonstrations and our strategic role in putting the European Missions into practice as a lead of the NetZeroCities project. Hundreds of tweets used the #SystemsChangeNow hashtag during COP26 and our campaign landing page had over 8,000 page visits during COP26 alone, with readers spending a significant amount of time on the page itself, proofing the high relevance of the content for the targeted audience. Visit [www.climate-kic.org/systemschangenow](http://www.climate-kic.org/systemschangenow) to dive deeper into the content of the campaign.

### 3. A glimpse into the 2021 Innovation Projects Portfolio

To find out more about EIT Climate-KIC's innovation portfolio, or to connect with the lead of a specific project, please register at [www.climate-kic.cognitive.city/cognitive](http://www.climate-kic.cognitive.city/cognitive).

#### Green Light District

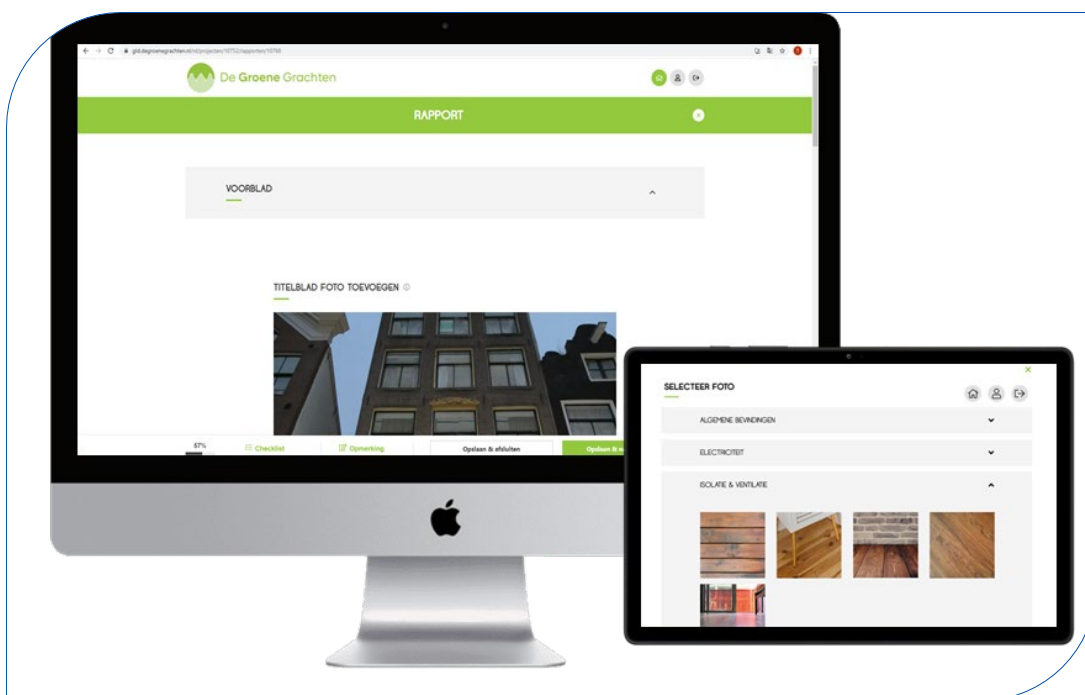
Amsterdam's city centre is one of the most visited areas in the world. Canal-side properties in the historic city centre date from the 18<sup>th</sup> century and need to meet today's energy transition requirements.

The Green Light District project is focused on retrofitting historic buildings, aiming to transform a densely populated and popular square kilometre of Europe into a future-proof, more sustainable and iconic part of Amsterdam.

As well as making buildings more energy-efficient, Green Light District hopes to make the area more livable – and attract more sustainable innovation. The project has grown into a platform helping scale-up initiatives by residents, entrepreneurs and institutions working on the energy transition and greening of the old city centre.

"If sustainability is possible with a monument from 1753, then it can be done anywhere," says De Groene Grachten, an advisory and project management agency specialised in sustainable measures for historical buildings and a Green Light District partner.

Green Light District wanted to further automate building inspection processes and expand its database of energy efficiency measures. De Groene Grachten helped build the 'Adviestool Duurzaam Monument', a tool which enables heritage and building professionals to provide their customers with personal building 'retrofit roadmaps'. After a successful soft launch in 2021, the tool will be going public in 2022 – reducing the cost to draft building retrofit plans by 50 per cent.



The tool focuses on a range of factors, including insulation, ventilation, heating and cooling, electrical systems as well as climate adaptation measures. Thanks to a collaboration with 'De Monumentenwacht' (Monument Maintenance) – an organisation responsible for the inspection and maintenance of historic buildings in The Netherlands – user testing became a central aspect of the tool's software design. Various training sessions in 2021 educated heritage experts on the principles of sustainability, energy innovations, energy efficiency – as well as the newly-developed tool, which led to its successful adoption by a range of heritage organisations.

Customers are also involved in the tool from the beginning – homeowners can supply the energy consultant with crucial building information in preparation to the building inspection. Using information provided by the homeowner, onsite inspection and a database with over 250 energy efficiency measures for historic buildings, consultants can efficiently and reliably draft an energy report.

The combined tool and database can be used as a consultancy tool for energy and heritage professionals to use. A business model has already been developed – energy and heritage experts license the software create their own reports to sell to clients. This new digital tool creates an affordable, customisable energy roadmap, helping automate building inspection and informing homeowners on key

sustainability decisions. The Green Light District project, alongside partner EIT Climate-KIC, will help grow this platform to scale.

## MyFairMoney

European households hold a third of Europe's financial assets. They are increasingly interested in investing their money more sustainably and ensuring their investments have a positive environmental impact in the real economy.

'Sustainable investment' takes into account environmental, social and/or corporate governance aspects relating to finance. However, many product distributors and manufacturers are not matching client expectations with enough sustainable financial product offerings.

Within the context of EIT Climate-KIC project 'Elicit Sustainability Investment Preferences', 2° Investing Initiative (2DII) and the French Environment and Energy Management Agency (ADEME) decided to create and launch sustainable retail investment platform 'MyFairMoney' in 2021. A free platform which can be accessed across the EU and UK in German, French and English, MyFairMoney matches investors' sustainability preferences with personal investment decisions.

Despite increasing opportunities for consumers to invest in green financial products, an abundance of sustainability labels – and ESG marketing which is often misleading – can make it difficult for investors to judge complex investment products according to individual sustainability aspects. This is why MyFairMoney enables users to make informed choices on where their money is allocated, by creating a sustainability profile with users in order to ascertain their key priorities. The platform also uses a compatibility score to measure the plethora of funds available on the platform against the Paris Climate agreement goals.

The platform helps empower European citizens with the tools to overcome market shortcomings and enables them to channel their savings into the right vehicles to combat climate change. MyFairMoney brings together educational material on sustainable finance, an online sustainability questionnaire developed by an international expert group and the largest public fund database in Europe, all on one platform.





## MY FAIRMONEY

“I used MyFairMoney to sell old investment funds and shifted my money to funds which were aligned with my sustainability preferences.” – a MyFairMoney user.

Offering a database of 9,000 European funds – filterable through 31 sustainability indicators – the platform has attracted over 30,000 users so far. An independent, non-commercial platform MyFairMoney’s exponential growth demonstrates there is clear demand for sustainable investment products and it is in market interests to decarbonise and meet climate action goals.

“The reallocation of households savings will be key to fund the transition toward a low carbon economy and could certainly be achieved as retail investors themselves say they want to invest sustainably. They just need tools to better inform their investment decisions and overcome market information asymmetry. I’m convinced that the My Fair Money platform will address this challenge which is why it is so exciting to launch it in France and in the rest of Europe.” – Thibaut Ghirardi, former Managing Director of 2DII France.

“Initially relegated to experts and institutional investors, the issue of preferences and extra-financial performance is now fully in the spotlight for retail investors, with a reinforced regulatory framework defined by France (PACTE law, GreenFin label) and Europe (MiFID 2, SFDR, EU Ecolabel). With My Fair Money, 2DII is taking a key step forward to give access to clear, transparent, free information on retail investment funds. This step is fully in line with the approach pursued by Finance ClimAct: observing practices, understanding and questioning preferences, providing information and raising awareness among the general public, which will make it possible to fully integrate sustainable finance into the retail investing market.” Mathieu Garnero, Head of Finance ClimAct at ADEME.

## SATURN

Too often, green areas surrounding cities that have climate mitigation potential – including carbon sequestration as well as food and biomass production – are mismanaged. For an urban environment to successfully adapt to climate change, cities' climate strategies must also consider their natural landscape.

Working in Trentino (Italy), Birmingham (UK) and Gothenburg (Sweden), the SATURN project wants to properly integrate natural assets within cities' climate impact strategies by reconnecting city stakeholders with landscapes' geographical characteristics (urban, rural, regional and territorial). SATURN stands for System and sustainable Approach to virTuous interaction of Urban and Rural LaNdscape and is named after the planet and deity known as the bringer of change.

In 2021, the project finalised a toolbox to help cities take a more integrated approach to landscape management. Ten tools developed in pilot cases within SATURN's three hubs have been transformed into a handbook which could be adapted by other cities across Europe – and worldwide.

From Gothenburg, the tools included :

**The Model Farm:** City farmer Klara Hansson was hired by Gothenburg municipality to establish a farm on public land with market gardening techniques – a technique increasingly adopted by emerging commercial vegetable city farmers. Produce went to public kitchens such as schools, care homes and kindergartens. The response was so positive that the municipality is aiming to contribute to a salary for a permanent city farmer and use the farm as an outdoor classroom for pupils. Of the SATURN experience, Klara said, "it has been very rewarding to see that by establishing, managing and documenting a market garden in a local context, we created a model so successful that it will now continue via funding from the municipality. A lot of hard work has led to a systemic shift!"

**The Farming Incubator:** An online workshop and programme developed by SATURN offers new farmers market gardening training and entrepreneurship advice. The 2021 workshop saw participants from different cities in Sweden, Norway, Switzerland and Belgium – and going forward, Gothenburg will continue offering it to new farmers to help boost their knowledge, networks and help them gain information on land leases.

From Trentino, the tool 'Youth engagement and mentoring for business development', enabled SATURN to engage with young people in a variety of ways,

including internships, visits to pilot cases and inviting them into dialogue with local politicians and other stakeholders. In Trentino, youth representatives are involved in a Scientific Committee and a Climate Forum which participates in awareness-raising and works on a climate-targeted educational programme for schools.

With the Conference of Youth (COY) taking place in Milan in September 2021 – just before COP26 in November, where a delegation of youth students normally attend – the Forum agreed to organise the ‘[Youth Conference on Climate 2021](#)’, allowing youth representatives to develop a policy document later presented at COP26. Supported by the Italian Ministry of Ecological Transition, youth representatives also attended a working and discussion group with the Italian members of EU and National Parliaments at COP26.



“SATURN enabled a transparent, constructive dialogue between youth representatives and politicians, policymakers and citizens of three municipalities in Trentino seeking to active participation in facing climate change,” said Paulo, President of NGO Viração&Jangada.

“The SATURN project innovatively addresses the environmental challenges we face. Involving the younger generations in the process proved to be a winning choice, as they are the main players able to guarantee a sustainable future for our territory,”

said Gabriele (29), Deputy for Environment, Economic Activities for the City of Arco, who participated in a pilot case in Trentino.

In the UK, a special 2021 project run by SATURN – partnering Birmingham City Council with the WMNP Lab and the CATiD hub from Birmingham City University – focused on the West Midlands National Park (WMNP). The WMNP, launched in 2018, takes in the area's immense landscape and industrial heritage, with its complex infrastructure of canals, highways and byways married to some of the most beautiful, forgotten areas in Britain. A new kind of national park, the WMNP is a unique opportunity to re-discover a vast, hidden landscape that has been overlooked and undervalued for many years. With COVID-19 leading people to connect more extensively with their neighbourhoods, the WMNP is also an opportunity to regenerate the area sustainably.

SATURN workshops used WMNP to frame future ambitions of the city of Birmingham, providing future governance solutions for the region to implement. The SATURN Birmingham case study was used in national change programme Future Parks Accelerator – sponsored by the UK government, the National Heritage Fund and the National Trust – which made full use of SATURN's toolbox approach of Vision Setting, Stakeholder Mapping and Capacity Building, helping bring permanent change to the city's climate policy and future land management.

## SAFERPLACES

Climate change is amplifying the frequency and severity of floods, with extreme precipitation and flood hazards rising in many regions across Europe. Urban flooding is one of the main hazards in modern towns and cities – intense or prolonged rainfall can overwhelm the capacity of drainage systems. Pluvial flooding, a.k.a. surface water flooding, often happens with little warning, in areas usually not prone to flooding, making it hard to manage and predict. As a predominantly urban phenomenon, it is cities and towns where pluvial flooding's effects are most pronounced and damaging.

The SAFERPLACES project is using climate, hydrological and hydraulic, topographic and economic modelling techniques to assess pluvial, fluvial and coastal flood hazards in urban environments. By risk mapping urban flooding, SAFERPLACES is offering a service needed to devise climate adaptation and disaster risk reduction strategies. The project also offers new opportunities for urban environments to

incentivise behavioural or land-use changes and implement nature-based solutions such as natural water retention and urban requalification.

The City of Milan had been looking to build its resilience for many years, wanting to improve and adapt its water management system to match the changing climate. Following a collaboration with SAFERPLACES, transport company MM SpA and the Milano Smart City Alliance (MSCA), the City of Milan decided to adopt the SAFERPLACES platform, which has been fully operational since 2021.

“SAFERPLACES has successfully supported us by providing flood risk intelligence,” said Piero Pelizzaro, Chief Resilient Officer of Milan Municipality. “The platform helps our climate projections and our work to design a climate-resilient city strategy – as well as contributing to the new [Climate and Air Action Plan](#),” he added.

The platform helps manage Milan’s hydraulic risks – by mapping flood hazards, classifying road drains and underpasses as well as simulating flooding events, Milan can undertake suitable risk assessment for its climate resilience planning. SAFERPLACES is helping Milan become a ‘sponge city’ by providing valuable insights for reducing hydraulic risk and decreasing water inflow to the sewer network through processes of retention, accumulation and natural drainage of water.

“Thanks to support from EIT Climate-KIC and our consortium partners, we have developed a fully-operative solution for flood risk intelligence in urban areas, which has already been used for designing climate change adaptation and resilience strategies in the Municipalities of Rimini, Cesenatico, Cervia and Milan,” said Stefano Bagli, co-founder of SAFERPLACES and founder of environmental consultancy GECOsistema.

Stefano Tani, Head of Services for the Water Service Division at MM SpA, added, “Integrating the SAFERPLACES platform with our system contributed to the acquisition of high-quality flood hazard data across the Milan area and the assessment of the impacts on the sewage system. By identifying critical areas, Milan can better plan for and maintain its sewage system.”

Deploying flood risk intelligence in a smart and easy way, SAFERPLACES supports cities looking to design resilience and implement climate adaptation strategies – faster, and at a lower cost. Democratising flood risk intelligence helps foster mutual collaboration and promote a more systemic adaptation to climate change in cities.



## CIRCULÉIRE

Ireland recently announced its [first national circular economy strategy](#), which aims to meet commitments made in the Irish Government's Programme for Government and the Climate Act 2021. It combines a transition away from fossil fuels – covering 55 per cent of targeted emissions – with the remaining 45 per cent focused on circularity in products and manufacturing, according to the Irish Government.

The National Platform for Circular Manufacturing in Ireland, a.k.a. [CIRCULÉIRE](#), is the first cross-sectoral industry-led network dedicated to accelerating the net-zero carbon circular economy in Ireland. Its goal is to close the circularity gap in the country, helping develop innovative, circular business models by working with manufacturers and their supply chains, particularly on reducing greenhouse gas emissions and waste production. CIRCULÉIRE is a public-private partnership between its secretary Irish Manufacturing Research – which is supported by Enterprise Ireland and IDA Ireland – as well as the Department of the Environment, Climate, and Communications (DECC), the Environmental Protection Agency (EPA), EIT Climate-KIC in collaboration alongside 40 industry members.

2021 saw many milestones for CIRCULÉIRE, including supporting the scaling up of a venture – a smartphone app that allows households to request a collection of unwanted electrical items simply and quickly. [The ZeroNet](#) app is designed to radically streamline the domestic recovery of unwanted small electrical and electronic devices. An Irish-based company originally designed and piloted in Stirling in 2019 with support from Zero Waste Scotland, ZeroNet launched in 2021 in Brighton & Hove. In partnership with Tech-Takeback, ZeroNet is currently available in over 120,000 homes. The world's first cloud-based technology platform designed explicitly around the logistical requirements of the circular economy, ZeroNet is firmly linked to a zero-carbon, zero-waste, and resource-efficient future – and it has already won the BusinessGreen Circular Economy Project of the Year Award in 2021.

ZeroNet has also been supported by CIRCULÉIRE's [New Venture Programme](#) – Ireland's first dedicated accelerator for late stage circular ventures. The app has an innovative business model bringing a unique approach for reverse logistics – a type of supply chain management that moves goods from customers back to the sellers or manufacturers. ZeroNet encourages businesses on their journey to reduce their greenhouse gas emissions and embrace circular economy and is planning to launch the first branded take-back service in 2022.

“From our perspective, there is no such thing as waste, only ‘scattered inventory’. The ZeroNet is the first holistically designed circular logistics operating system dedicated to the creation, deployment, and scaling of zero-waste and ultimately circular forms of consumption” – Paul McSweeney, Founder and CEO, The ZeroNet.

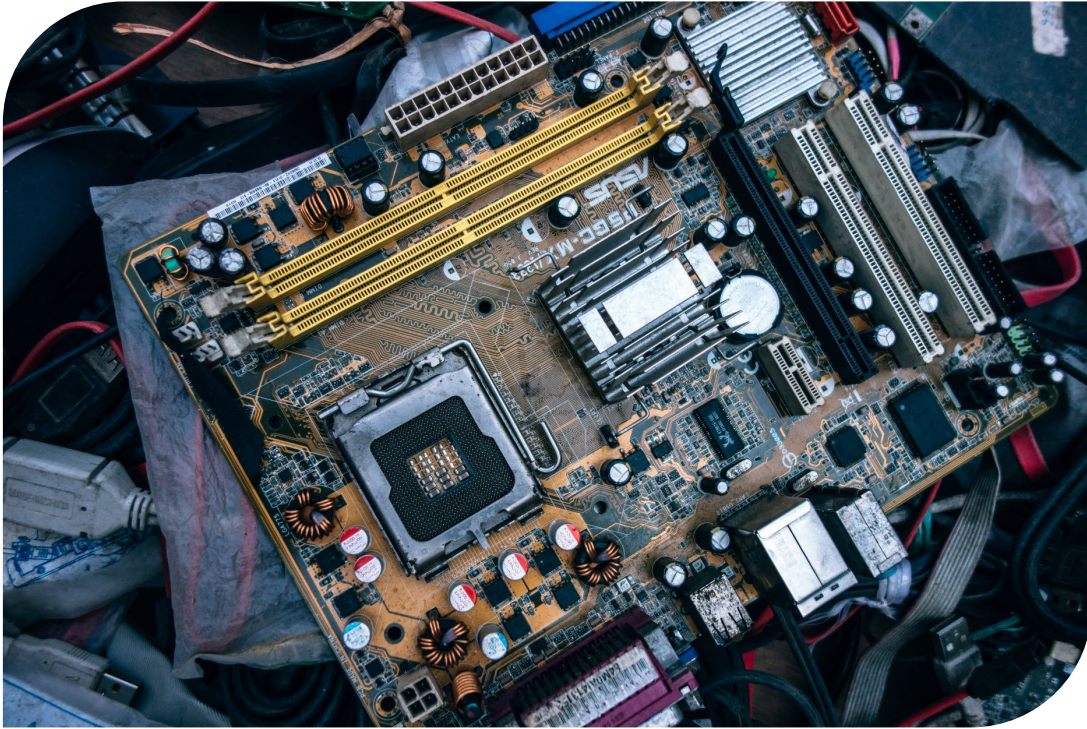
Another 2021 milestone came from the [Circular Economy Skills Initiative \(CESI\)](#), led by WEEE Ireland alongside Fastrack to Information Technology (FIT) and the IBEC White Goods Association. Supported by CIRCULÉIRE through its [Innovation Fund](#), CESI is [one of nine CIRCULÉIRE Innovation demonstration projects](#) focused on circularity.

In September 2021, CESI kicked-off a new course which simultaneously combats a major national shortage of electrical repair experts – whose average age is 59 years old – and extends the lives of white goods e.g. washing machines, fridges, and dishwashers.

During the CESI pilot, ten white goods repair technicians joined the free, full-time course in Dunshaughlin, Co. Meath, learning new skills to repair white goods for 26 weeks – followed by a guaranteed 12 weeks of work placements. The course helps develop vital skills which ensure electrical goods are kept in circulation for longer and addresses the growing need for the maintenance, repair, and reuse of white goods. There has also been significant demand from several Education & Training Boards to roll out the curriculum nationally in Ireland.

“This project is a great example of the way CIRCULÉIRE catalyses innovative programmes that enable the power of the circular economy in practice. Our annual €500,000 Innovation Fund helps industry to pilot circular economy models. CIRCULÉIRE is delighted to support this industry-accredited and standards-based repair training programme which will transform the Irish White Goods’ repair sector.” – Dr Geraldine Brennan, CIRCULÉIRE’s Lead and IMR’s Head of Circular Economy.

In 2022, CIRCULÉIRE’s overarching objective will remain the same: to source, test, finance, and scale circular manufacturing systems, supply chains, and circular business models to deliver significant carbon emission and waste reductions for industry members – and beyond.



Collecting and re-using Waste Electrical and Electronic Equipment (WEEE) is still an intricate problem as WEEE has a complex value chain with traceability issues. In 2019, 53.6 million metric tonnes of WEEE was generated, much of which ended up in landfill. WEEE is considered to be one of the fastest growing waste streams, growing three-to-five per cent per year in the European Union, and contains many different materials that have environmental impacts and health risks if treated inadequately. Reusing EEE and recycling of WEEE also offers substantial opportunities by extending the End of Life (EoL) of appliances – as well as making secondary raw materials available on the market.

Critical points of the WEEE chain are the recovery of waste from citizens and the lack of traceability along the whole data flow. To fill in this gap, the InnoWEEE project is focused on promoting sustainable behavioural change and enabling reward systems which ensure WEEE can have a second life, by increasing WEEE collection through a range of strategies, including smart bins and a web platform.

Working in three pilot areas – Cava de' Tirreni and Trentino in Italy, as well as Bath and Sheffield in the UK – InnoWEEE wants to implement efficient processes to re-use devices, improve electronic recycling and evaluate valuable materials which can be introduced into the electronics cycle.

In Trentino, the third pilot stage took place in 2021 and involved participants from the G. Tovazzi primary school in Volano, including students aged 6-11, their families, teachers and school staff. The 'WEEE R robots' collection campaign aimed to raise awareness of e-waste and encourage participants to identify and collect relevant e-waste items.

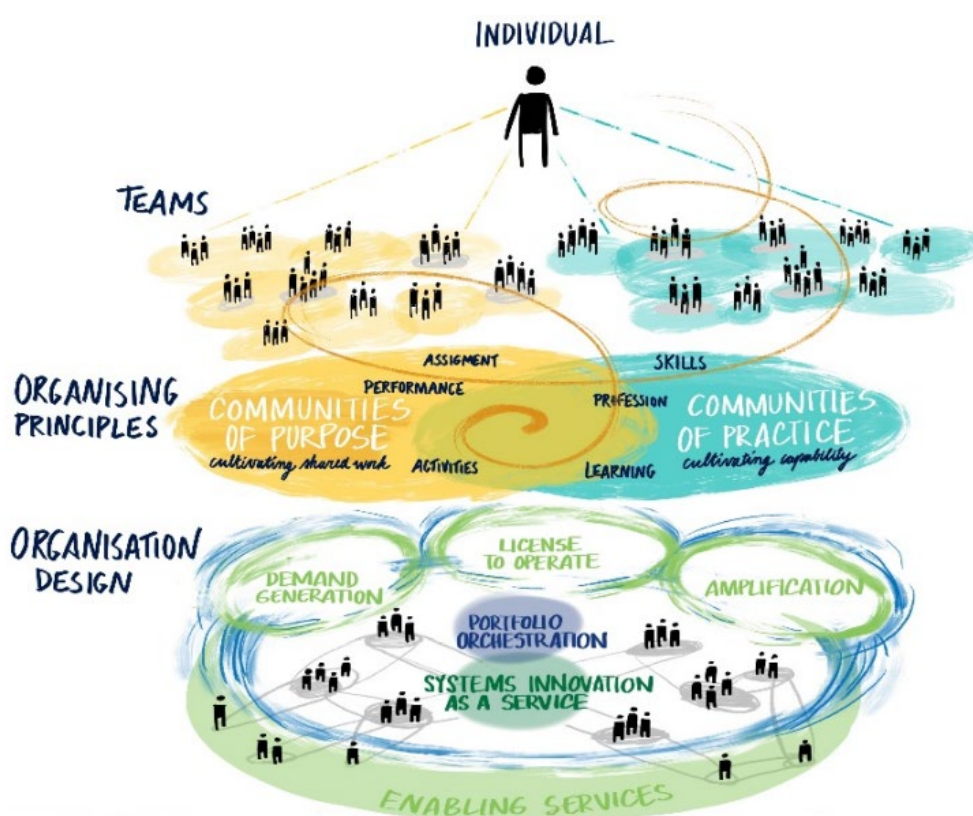
Questionnaires were initially sent out to test participants' knowledge of WEEE, and a web page was created to prepare the school for the campaign. Once the pilot began, an app helped classify e-waste items as reusable, having a residual value or able to be recycled.

Overall, participants collected 808 items (128 'repair' items, 200 'reuse' items, 480 'recycle' items), totalling 509.2kg. Thanks to the WEEE R robots campaign, 1.717 Kg CO<sub>2</sub> was saved at the school. Collected WEEE was properly treated in a plant and relevant fractions were sent for recycling.

In the city of Cava de' Tirreni (population 53,000), an InnoWEEE pilot programme in 2021 installed a range of smart bins which enabled collection of small WEEE items, portable batteries and lamps. Containers were equipped with a user recognition system that will allow to provide environmental information relating to the delivery and to implement a reward mechanism, designed according to the characteristics of the users and the local availability. Thanks to this system, citizens received discount vouchers to spend at affiliated shops and obtain environmental information on their waste.

## 4. People and organisation

In 2020 EIT Climate-KIC underwent a reorganisation process and reshaped its structures so as to best deliver on the *Transformation, in Time* strategy. After an initial period of readjustment, EIT Climate-KIC has been focused on aligning ways of working and new organisational practices. The organisation is moving to a less hierarchical structure, allowing for both distributed leadership and self-management, with clear accountabilities and collaborative processes. At the same time, this new way of working enables sharing of knowledge, practice and learning among teams and individuals.





At the heart of the reorganisation are the two new internal community structures: communities of purpose and communities of practice.

The first structure are **Communities of Purpose**, which focus on *cultivating shared work and act as a mechanism for organisational learning and performance*. They bring together teams working on problem spaces and challenge owner relationships that are related, directly or indirectly, and would benefit from being connected and learning from one another. Communities of Purpose work together to explore findings, calibrate on approaches and lessons from the portfolios; and consider new or emerging demands together.

The second type of community structure are the **Communities of Practice** that exist to *develop organisational capabilities in individuals and teams* with practices that are central to EIT Climate-KIC's value proposition, strategy and capacity to deliver. These are transversal practices and core capabilities that most people in the organisation should have a foundational understanding of. Examples include facilitation; project and programme management; business model and service design; funding design and financial architecture; or leadership in complexity. The Communities of Practice provide a training field where team members can share know-how and collaborate, with a focus is on experience-based learning as practitioners.

Implementing these new communities and ways of working has not been entirely smooth sailing. 2021 was an unsettled year in many senses and this is no less true for EIT Climate-KIC. The organisation had to learn to embrace a new structure while combining virtual working with fragments of physical reconnection, working through a transition from Horizon 2020 to Horizon Europe, and adapting to a new multi-funder environment. Despite the turbulence, the reorganisation process is helping to prepare EIT Climate-KIC for the new phase in its life cycle, ensuring that it is optimally and flexibly structured and staffed to deliver on its mission.

## 5. Sources of Funding



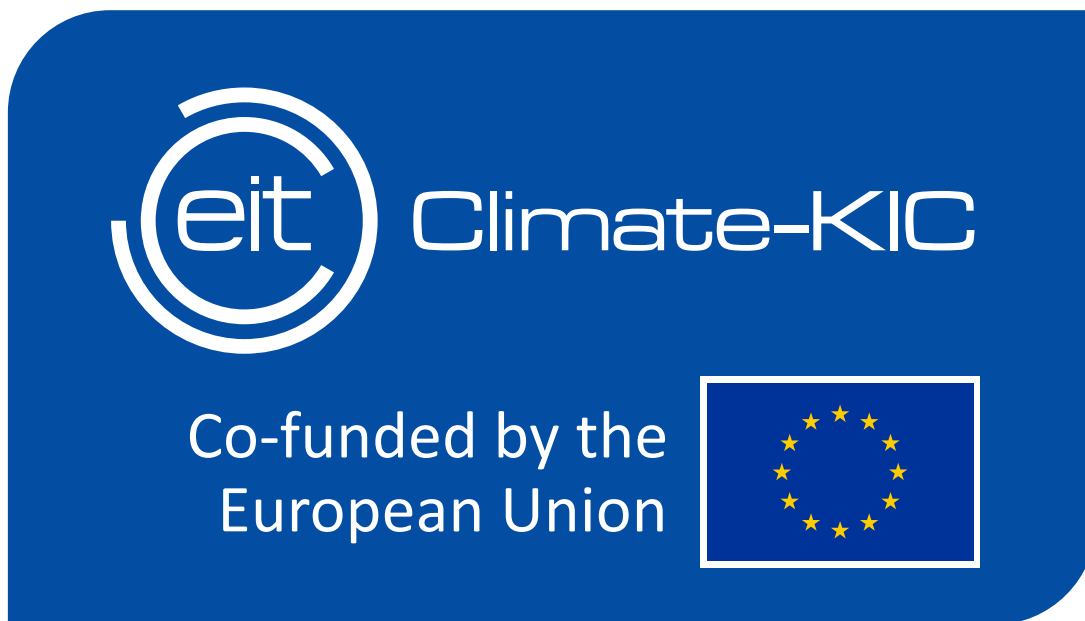
In anticipation of the substantial reduction of EIT funding in 2021 as part of a planned transition for first-wave Knowledge and Innovation Communities, EIT Climate-KIC significantly grew contributions from new funders.

Our total funding in 2021 was €39.1m (pre-audited), with a big proportion channelled to start-ups and partners in our wider community. Our community provided €1.8m in membership fees, while funders beyond EIT contributed €6.7m of which €0.46m were managed by the newly established Climate-KIC International Foundation. The total we were able to direct to climate innovation action is also much greater than these figures thanks to the significant co-funding contribution of our Partner organisations.

We are proud and grateful for the funding cooperation with many organisations in 2021, including UNIDO, Thirty Percy Foundation, State of Green (DIF), SIDA, Region Midtjylland, Nissan, NCM, Munich Re / ERGO, Laudes Foundation, Irish Aid, Government of Slovenia, Government of Cantabria, Google.org Foundation, Good Energies Foundation, Gipuzkoa Provincial Council, Facebook, European Commission (H2020 & Horizon Europe), Erasmus+, EIT, EIC, EASME, CDC, BMZ, Bank of America, Amazon, and African Development Bank .

As we look ahead, we continue to acknowledge the significant financial sustainability challenge facing EIT Climate-KIC. Our strategy has three core components: (i) working to attract funding from multiple different sources, with a focus on securing a small number of major funders who share our vision, (ii) keeping a tight control on our costs while continuing to focus on our capabilities and value proposition; and (iii) maximising utilisation and leverage potential of our remaining funding from EIT.

## 6. Governance



EIT Climate-KIC is a public-private partnership comprising the Association Climate-KIC, Climate-KIC Holding B.V. and the Climate-KIC International Foundation. In 2021, Association Climate-KIC transferred 90 per cent of shares in the Holding to the Climate-KIC International Foundation.

### 6.1 Assembly Members as of December 2021

Association Climate-KIC's ultimate decision-making body is its Assembly of Members (referred to as Core Partners).

- ART-ER
- CEA (Commissariat à l'énergie atomique et énergies alternatives)
- City of Helsinki
- City of Malmö
- Covestro
- Dedagroup Public Services
- Edinburgh Centre for Carbon Innovation (ECCI)

- ENGIE
- ETH Zurich (Swiss Federal Institute of Technology)
- Ferrovial Corporacion S.A.
- Fundación Valenciaport
- HIT (Hub Innovazione Trentino)
- Imperial College of Science, Technology and Medicine
- INRAE (French National Research Institute for Agriculture, Food and Environment)
- Instituto Tecnológico de la Energía
- KLM
- Potsdam Institute for Climate Impact Research
- Sorbonne University
- South Pole Group
- Technical University of Denmark (DTU)
- Technical University of Delft
- University of Copenhagen
- Universidad Politécnica de Madrid
- Utrecht University
- Veolia Environnement S.A.
- VITO NV
- Wageningen University

## 6.2. Governing Board

The Association Climate-KIC Governing Board provides intellectual leadership and investigates critical challenges in the areas of climate change mitigation and adaptation. It informs the multiannual strategy and aspects of strategic relevance to the Association. It comprises individuals elected from the Association's members with an independent Chair. The composition of the Governing Board reflects the diversity of institutions and regions within Climate-KIC. It meets around six times a year, including an annual retreat. The Governing Board elects a Chair and a Vice-Chair.

### Governing Board members in 2021

- Anders Wijkman (Chair), Independent
- Marianne Thellersen (Vice Chair), DTU
- Martin Siegert, Imperial College London
- Alice Peyrard, Veolia (stepped down 30 June 2021)
- Jonas Kamleh, City of Malmö
- Paul Althuis, TU Delft
- Valentin Alfaya, Grupo Ferrovial
- Ruben Alblas, KLM
- Giovanni Anceschi, ART-ER
- Patrick Buergi, South Pole Carbon
- Johan Rockström, PIK
- Suzanne Reynders, INRAE
- Ada Amon, City of Budapest



### 6.3 Supervisory Board

At a meeting of the Supervisory Board of Climate-KIC Holding B.V. on 7 December 2021, the decision was taken to wind down the Supervisory Board in order to hand over its responsibilities to the Supervisory Board of Stichting Climate-KIC International Foundation, which had agreed to take over the role as the supervisory body for the Climate-KIC International Foundation and the Climate-KIC Holding B.V., with effect from the same date. During 2021, the Holding's Supervisory Board had responsibility for the supervision of Climate-KIC Holding B.V.'s Executive Board and the company's general affairs, reporting to the company's shareholders at the Annual General Meeting. It supervised the Holding's managing statutory directors' performance and considered matters such as the multiannual strategy to be proposed to the General Meeting, the annual business plan, accounts, legal and portfolio strategy for partners and strategic alliances. The Supervisory Board of the Foundation will take over those roles from 2022.

#### Climate-KIC Holding B.V. Supervisory Board members in 2021

- Barna Barath (Vice chair until May 2021, Chair from May 2021), REAL School Budapest
- Isabel Garcia Mora (appointed on 13 July 2020; Vice Chair from May 2021), Santander Finance Group
- Thomas Goergen, Covestro Deutschland AG
- Monika Weber-Fahr (Chair) (stepped down May 2021), Independent

## 6.4 Advisory Council

In support of EIT Climate-KIC's transition to a multi-funded catalyst of systemic change, we tap into the collective intelligence and guidance of highly experienced and highly connected individuals – our Advisory Council. Members of the Advisory Council play an important role as a strategic sounding board for EIT Climate-KIC's management team, offering an element of independence, fresh perspectives, and divergent thinking. Advisory Council members also help to represent EIT Climate-KIC externally – including at the European Commission level, in the Technical Expert Group on Sustainable Finance, helping to develop a unified EU-wide classification system for sustainable economies.

### Advisory Council members in 2021

- Anneli Pauli, University of Helsinki
- Catia Bastioli, Novamont
- Dennis Pamlin, RISE Institutes of Sweden and Mission Innovation
- Harini Nagendra, Azim Premji University
- Julian Popov, European Climate Foundation
- Mafalda Duarte, World Bank
- Pablo Bereciartua, Argentine Engineering Center
- Sandrine Dixson-Declève, Club of Rome
- Sean Cleary, Strategic Concepts (Pty) Ltd.
- Tomas Kåberger, Renewable Energy Institute

## 6.5 Statutory Executive Directors of Climate-KIC Holding B.V

- Kirsten Dunlop – Chief Executive Officer
- Tom Mitchell – Chief Strategy Officer
- Florian Deville – Chief Financial Officer (appointed in April 2021)
- Maite Ibarretxe – Chief Operations Officer (appointed in June 2021)
- Joann Passingham – Chief Financial Officer (stepped down February 2021)
- Richard Zaltzman – Chief Operations Officer (stepped down February 2021)

## 6.6 Full list of our 2021 community members

	Partner Name	Country
1.	2° Investing Initiative	France
2.	2811 Social Enterprise UG	Germany
3.	4CF Spółka z ograniczoną odpowiedzialnością	Poland
4.	A2A Calore e Servizi s.r.l.	Italy
5.	A2ASmartcity	Italy
6.	Aalto-Korkeakoulusäätiö	Finland
7.	Aarhus Kommune, Teknik og Miljø	Denmark
8.	Aarhus Universitet	Denmark
9.	Aberystwyth University	United Kingdom
10.	Abydos Intelligent Solutions	United Kingdom
11.	Acclimatise Group Ltd	United Kingdom
12.	Achmea Schadeverzekeringen N.V.	Netherlands
13.	Acteco Productos y Servicios S.L.	Spain
14.	Adaptation Ledger Limited	United Kingdom
15.	Aerospace Valley	France
16.	Agence de l'Environnement et de la Maitrise de l'Energie	France
17.	Agentia Pentru Dezvoltare Regionala Nord-Est	Romania
18.	Agenzia Mobilita' Ambiente e Territorio SRL	Italy
19.	Agenzia Nazionale per le Nuove Tecnologie, l'Energia e lo Sviluppo Economico Sostenibile	Italy
20.	Agenzia per L'energia a lo sviluppo sostenibile	Italy
21.	AGORANOV	France
22.	AgriCircle AG	Switzerland
23.	AgroPithiviers	France
24.	Agro-Transfert Ressources et Territoires	France
25.	Agvesto Limited	United Kingdom
26.	Air Liquide – Recherche et Développement	France
27.	Air Liquide Forschung und Entwicklung GmbH	Germany
28.	AIT Austrian Institute of Technology GmbH	Austria
29.	Akseleratorius, UAB	Lithuania
30.	ALGOE	France
31.	Alma Mater Studiorum - Università di Bologna	Italy
32.	Amatus GmbH	Germany
33.	Amped Concepts B.V.	Netherlands
34.	Antaco UK Ltd	United Kingdom

35.	AquaBioTech Limited (trading as AquaBioTech Group)	Malta
36.	Aquafin	Belgium
37.	Aquatec Proyectos para el Sector del Agua, S.A.U	France
38.	aQysta B.V.	Netherlands
39.	Architecture 00 Limited	United Kingdom
40.	ARIA Technologies SA	France
41.	ART- ER S. Cons. p.a	Italy
42.	Arx-IT Consulting SA	Switzerland
43.	Ashoka gemeinnützige GmbH	Austria
44.	Asociación de investigación de la industria del juguete, conexas y afines	Spain
45.	Asociación Valenciana de Empresas del Sector de la Energía	Spain
46.	Assotsiatsia Za Ravitie Na Sofia	Bulgaria
47.	Athena Research Centre	Greece
48.	Athens University of Economics and Business Property Management & Development	Greece
49.	Aton Business Creator S.R.L	Romania
50.	Aurora Sustainability Ltd	United Kingdom
51.	Ayuntamiento de Madrid	Spain
52.	Bankers without Boundaries	United Kingdom
53.	Betterpoints Limited	United Kingdom
54.	BIK Bouw B.V.	Netherlands
55.	Bindslev A/S	Denmark
56.	Birmingham City Council	United Kingdom
57.	Black Bear Carbon B.V.	Netherlands
58.	Bogatin D.O.O	Slovenia
59.	brainbows informationsmanagement gmbh	Austria
60.	Brandenburg University of Technology Cottbus-Senftenberg	Germany
61.	Budapest Fovaros Onkormanyzata	Hungary
62.	Budapest University of Technology and Economics	Hungary
63.	Building Global Innovators – IUL MIT Portugal accelerator	Portugal
64.	Buildings Performance Institute Europe A.S.B.L.	Belgium
65.	BWB Connect CLG	Republic of Ireland

66.	Camera de Comert, Industrie si Agricultura Timis	Romania
67.	Canguru Foods Unipessoal LDA	Portugal
68.	Carbone 4	France
69.	CDP Europe – Services GmbH	Germany
70.	CDP Worldwide	United Kingdom
71.	CDP Worldwide (Europe) gemeinnutzige GmbH	Germany
72.	CENEX (Centre for Excellence for Low Carbon and Fuel Cell Technologies)	United Kingdom
73.	Centar za Cirkularnu Ekonomiju Cirekon d.o.o	Serbia
74.	Center energetske učinkovitih rešitev	Slovenia
75.	Centre de coopération internationale en recherche agronomique pour le développement	France
76.	Centre of Excellence for Low-Carbon Technologies/Center odličnosti nizkoogljične tehnologije (CO NOT)	Slovenia
77.	Centrum Łukasiewicz	Poland
78.	Cetaqua, Centro Tecnológico del Agua, Fundación Privada	France
79.	Chalmers Tekniska Högskola AB	Sweden
80.	ChillServices GmbH	Germany
81.	ChillServices Sweden AB	Sweden
82.	Chrysalis Leap Limited	Cyprus
83.	Circular Influence	Switzerland
84.	Circular Influence France	France
85.	circular.fashion UG (Haftungsbeschränkt)	Germany
86.	City University of London	United Kingdom
87.	Civitta Slovakia, a.s.	Slovakia
88.	Cleantech Bulgaria Ltd.	Bulgaria
89.	Clear Nano Technologies AG	Luxembourg
90.	Climate Blockchain Initiatives Sociedad Limitada	Spain
91.	Climate Change Centre Austria – Klimaforschungsnetzwerk Österreich	Austria
92.	Climate Leadership Coalition ry	Finland
93.	Climate Media Factory	Germany
94.	Climate Strategies	United Kingdom
95.	Climate-KIC Alumni Association	Netherlands
96.	CO2i	United Kingdom



97.	Commissariat a l'Energie Atomique et aux Energies Alternatives	France
98.	Compagnie Nationale du Rhône	France
99.	Compañía Española de Servicios Públicos Auxiliares S.A.	Spain
100.	Computer Solutions S.P.A.	Italy
101.	Comune di Milano	Italy
102.	Conigital Group	United Kingdom
103.	Consellería de Medio Ambiente e Ordenación do Territorio. Xunta de Galicia	Spain
104.	Cool Farm Alliance Community Interest Company	United Kingdom
105.	Covestro Deutschland AG	Germany
106.	Creative Carbon Scotland	United Kingdom
107.	CybeleTech SAS	France
108.	Cyprus Energy Agency	Cyprus
109.	Cyprus University of Technology	Cyprus
110.	Danmarks Tekniske Universitet	Denmark
111.	DanTrade B.V.	France
112.	Dark Matter Laboratories B.V.	Netherlands
113.	Dark Matter Laboratories Limited	United Kingdom
114.	De Gezonde Stad	Netherlands
115.	De Groene Grachten B.V.	Netherlands
116.	Dedagroup Public Services S.r.L.	Italy
117.	Demos RY	Finland
118.	Devtaar B.V.	Netherlands
119.	Digital Hub Logistics GmbH	Germany
120.	Distrito Castellana Norte SA	Spain
121.	Drawdown Europe Research Association	Netherlands
122.	E3G ASBL	Belgium
123.	E3G -Third Generation Environmentalism GmbH	Germany
124.	E3G -Third Generation Environmentalism Ltd	Germany
125.	EAT Foundation	Norway
126.	Eaternity AG	Switzerland
127.	Ebusplan GmbH	Germany
128.	Eco Environnement Ingenieie	France
129.	ECOACT S.A.S.	France
130.	Ecoclimasol	France
131.	EcoKraft GmbH	Germany
132.	Ecole Polytechnique	France

133.	Ecomatters B.V.	Netherlands
134.	Ecospeed AG	Switzerland
135.	Edgeryders OÜ	Estonia
136.	Edinn Global S.L.	Spain
137.	Eesti Puitmajaliit MTÜ	Estonia
138.	Eidgenössische Technische Hochschule Zürich	Switzerland
139.	ElectricFeel AG	Switzerland
140.	Empresa Municipal de Iniciativas y Actividades Empresariales de Málaga S.A. -PROMALAGA-	Spain
141.	Encraft Limited	United Kingdom
142.	Energy Gardens Limited	United Kingdom
143.	Energy Systems Catapult Ltd	United Kingdom
144.	ENGIE S.A.	France
145.	eqlosion sàrl	Switzerland
146.	Erion Compliance Organization S.C.A R.L.	Italy
147.	European Centre for Career Education s.r.o	Czechia
148.	European Regional Framework for Co - Operation	Greece
149.	Euskampus Fundazioa	Spain
150.	Exceedence Ltd	United Kingdom
151.	E-zavod, Zavod za celovite razvojne resitve	Slovenia
152.	Fachhochschule Zentralschweiz – Hochschule Luzern	Switzerland
153.	Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa	Portugal
154.	FAGOR Sociedad Cooperativa	Spain
155.	Ferrovial Agroman S.A.	Spain
156.	Ferrovial Corporación, S.A.	Spain
157.	Ferrovial Servicios S.A.	Spain
158.	Fondation Institut de Recherche pour le Developpement Durable et les Relations Internationales (IDDRI)	France
159.	Fondazione Alma Mater	Italy
160.	Fondazione Bologna University Business School	Italy
161.	Fondazione Bruno Kessler	Italy
162.	Fondazione Centro Euro-Mediterraneo sui cambiamenti climatici	Italy
163.	Fondazione Edmund Mach	Italy
164.	Fondazione Fenice Onlus	Italy
165.	Fondazione per l'Innovazione Urbana	Italy

166.	Fonds Mondial pour le développement des villes	France
167.	Foodways Consulting GmbH	Switzerland
168.	FORTH - Foundation for Research and Technology - Hellas	Greece
169.	Forum Virium Helsinki	Finland
170.	Fovarosí Csatornazási Muvek Zrt.	Hungary
171.	Frankfurt School of Finance & Management gGmbH	Germany
172.	Fundacja Ashoka – Innowatorzy dla dobra publicznego	Poland
173.	Fundacion Centro de Innovación en Infraestructuras inteligentes	Spain
174.	Fundación de la Comunidad Valenciana para la Promoción Estratégica, el Desarrollo y la Innovación	Spain
175.	Fundación Delegación Fundación Finnova	Spain
176.	Fundacion Gizabidea	Spain
177.	Fundación Para La Investigación Del Clima	Spain
178.	Fundacja Instytut na rzecz Ekorozwoju	Poland
179.	Fundatia Ashoka	Romania
180.	Fundatia Oeconomica Timisiensis	Romania
181.	Furbish AB	Sweden
182.	Futureproofed bvba	Belgium
183.	FutureWater B.V.	Netherlands
184.	FutureWater S.L.	Netherlands
185.	GECOSistema SRL	Italy
186.	Gemeente Amsterdam	Netherlands
187.	Genillard & Co. GmbH	Germany
188.	Global Change Research Institute CAS	Czechia
189.	Gmina Miejska Krakow	Poland
190.	Goteborgs Kommun	Sweden
191.	Green and Sustainable Finance Cluster Germany e.V.	Germany
192.	GRESB B.V.	Netherlands
193.	GRÜNSTATTTGRAU Forschungs- und Innovations GmbH	Austria
194.	Hab za klimatske inovacije	Serbia
195.	HarvestaGG Green Goods B.V.	Netherlands
196.	Helmoltz German Research Centre for Geosciences	Germany

197.	Helsingin kaupunki	Finland
198.	Hemp the Climate z.s.	Czechia
199.	Hub Innovation, s.r.o	Czechia
200.	Hub Innovazione Trentino S.C.A.R.L	Italy
201.	Humactech Business S.L	Spain
202.	I CARE ENVIRONNEMENT	France
203.	I.LECO Sp. z o.o.	Poland
204.	I4CE – Institute for Climate Economics	France
205.	Iberdrola S.A.	Spain
206.	Icebreaker One Limited	United Kingdom
207.	Ijsfontein Gamewise BV	Netherlands
208.	Impact Hub Labs MKO	Greece
209.	Impact Hub Vienna GmbH	Austria
210.	Impakt Hab Beograd	Serbia
211.	Imperial College of Science, Technology and Medicine	United Kingdom
212.	InfluenceMap CIC	United Kingdom
213.	Infrastrutture Recupero Energia Agenzia Regionale Liguria	Italy
214.	Innovation Starter Box	Bulgaria
215.	Insomnia Consulting Sociedad Limitada	Spain
216.	Institut Cirkulární Ekonomiky, z.ú.	Czechia
217.	Institut de Recherche pour le Developpement	France
218.	Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria O.A.M.P.	Spain
219.	Instituto Tecnológico de la Energía	Spain
220.	Instituto Valenciano de Competitividad Empresarial	Spain
221.	Instituto Valenciano de la Edificación	Spain
222.	Instytut Nauk Geologicznych Polskiej Akademii Nauk	Poland
223.	IONF Andina Sucursal Colombiana de ONF International	France
224.	IOTA Stiftung	Germany
225.	Irish Manufacturing Research CLG	Republic of Ireland
226.	Istituto per la Bioeconomia – Consiglio Nazionale delle Ricerche	Italy
227.	Itecon Ingenieria y Construccion S.L.	Spain
228.	Jibe Company B.V.	Netherlands
229.	Johanneberg Science Park AB	Sweden
230.	Kapitech Sp. z o.o.	Poland

231.	Karl-Franzens Universität Graz	Austria
232.	Kemijski Institut	Slovenia
233.	KLIK, energetska zadruga	Croatia
234.	Knight Frank LLP	United Kingdom
235.	Københavns Kommune	Denmark
236.	Københavns Universitet	Denmark
237.	Koninklijke Luchtvaart Maatschappij N.V.	Netherlands
238.	Kukavi S.R.L	Italy
239.	La Fundación de la Comunidad Valenciana para la Investigación, Promoción y Estudios Comerciales de Valenciaport	Spain
240.	La Palma Research Centre for Future Studies SL	Spain
241.	La Universitat de València	Spain
242.	Laborelec C.V.B.A.	Belgium
243.	Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF)	Germany
244.	Leuven Klimaatneutraal 2030	Belgium
245.	LightFi Limited	United Kingdom
246.	Lightsmith Group Europe, s.a.	Luxembourg
247.	l'Institut national de recherche pour l'agriculture, l'alimentation et l'environnement	France
248.	Longevity Partners SAS	France
249.	Lucidminds BV	Netherlands
250.	Łukasiewicz Research Network - Institute for Sustainable Technologies	Poland
251.	Lumimuutos Osuuskunta	Finland
252.	Lunds universitet	Sweden
253.	L'Université Paris-Saclay	France
254.	Luvent Consulting GmbH	Germany
255.	Magistrat der Stadt Wien – Magistratsabteilung 20 - Energieplanung	Austria
256.	Magneto B.V.	Netherlands
257.	Magyar Innovacio es Hatekonysag Nonprofit Kft.	Hungary
258.	Malmo Stad	Sweden
259.	Malta College of Arts, Science & Technology	Malta
260.	Material Economics Sverige AB	Sweden
261.	MCM Institute Poland Sp Z.o.o	Poland
262.	Meteorological Environmental Earth Observation	Italy



263.	MIB Développement S.A., École des Ponts Business School	France
264.	MIDEME S.L.U.	Spain
265.	MiljöMatematik Malmö AB	Sweden
266.	Mittetulundusühing Cleantech Forest	Estonia
267.	Mondragon Corporacion Cooperativa S. Coop	Spain
268.	Montanuniversitaet Leoben	Austria
269.	Mörk Materia Laboratoriet AB	Sweden
270.	Mosaik Systems S.L	Spain
271.	MSCI Barra (Suisse) SARL	Switzerland
272.	Naked Energy Ltd.	United Kingdom
273.	Narodowa Agencja Poszanowania Energii S.A.	Poland
274.	National Council for Graduate Entrepreneurship	United Kingdom
275.	Naučno tehnološki park Niš d.o.o. Niš	Serbia
276.	NE Nomisma Energia SRL	Italy
277.	Nord Universitet	Norway
278.	Norges teknisk-naturvitenskapelige universitet	Norway
279.	Novamont S.p.A.	Italy
280.	NTU International A/S	Denmark
281.	NV Zeedijk	Netherlands
282.	Oasis Hub Ltd	United Kingdom
283.	Office d'Ingenierie Sanitaire	France
284.	OfficeVitae B.V.	Netherlands
285.	ONF International SAS	France
286.	Open Foret	France
287.	Origen Power Ltd	United Kingdom
288.	Orleans Metropole	France
289.	Oxygen at Work Ltd	Switzerland
290.	Ozyegin Universitesi	RIS
291.	Palermo Urban Solutions Hub	Italy
292.	PANNON Pro Innovation Services Ltd.	Hungary
293.	Paragon Limited	Malta
294.	Partnersvan.nu B.V.	Netherlands
295.	Paul Watkiss Associates Limited	United Kingdom
296.	Plate-forme Technologique Européenne pour le Future du Textile et de l'Habillement	Belgium
297.	Pocacito	Germany
298.	Pokreni ideju - Udruga za promicanje socijalnih inovacija	Croatia

299.	Poliedra - Centro di servizio e consulenza del Politecnico di Milano su pianificazione ambientale e territoriale	Italy
300.	Politecnico di Milano	Italy
301.	Polskie Stowarzyszenie Budownictwa Ekologicznego (Polish Green Building Council – PLGBC)	Poland
302.	Poral SAS	France
303.	Potsdam Institute for Climate Impact Research	Germany
304.	Privredna komora Srbije	Serbia
305.	Proambiente S.C.R.L.	Italy
306.	Project X Global Limited	United Kingdom
307.	Project00 Limited	United Kingdom
308.	Proadis School of International Management and Technology A.G.	Germany
309.	PT South Pole Indonesia	Germany
310.	Quantis Sàrl	Switzerland
311.	Quantis GmbH&Co.KG	Germany
312.	Quantis SASU	France
313.	Quantis, Inc.	United States
314.	REDO Società di Gestione del Risparmio S.p.A. -Società Benefit	Italy
315.	Regional Education and Information Centre for Sustainable Development in South-East Europe	Bosnia and Herzegovina
316.	Regionalna energetska agencija sjeverozapadne Hrvatske	Croatia
317.	Repowering	United Kingdom
318.	RES Societa Cooperativa	Italy
319.	Resurgence Urban Resilience Trust	United Kingdom
320.	Reykjavikurborg	Iceland
321.	Rigas Tehniska universitate	Latvia
322.	RISE Processum AB	Sweden
323.	RISE Research Institutes of Sweden AB	Sweden
324.	Rockwool International A/S	Denmark
325.	Ropot Boutique SRL	Romania
326.	RWTH Aachen University	Germany
327.	SAFEGE SAS	France
328.	Sarajevska regionalna razvojna agencija d.o.o. Sarajevo	Bosnia and Herzegovina

329.	Saulėtekio slėnio mokslo ir technologijų parkas	Lithuania
330.	SCOR Global P&C SE	France
331.	Scuola universitaria professionale della Svizzera italiana	Switzerland
332.	SEED Foundation	Hungary
333.	Select Innovation Limited	United Kingdom
334.	Sniffer	United Kingdom
335.	Sorbonne Université	France
336.	Sourcebook GmbH	Germany
337.	South Pole Carbon (Thailand) Ltd	Switzerland
338.	South Pole Carbon Asset Management Consulting (Beijing) Ltd.	Switzerland
339.	South Pole Carbon Asset Management Ltd.	Switzerland
340.	South Pole Carbon Asset Management S.A.S	Switzerland
341.	South Pole Carbon Mexico S. de R.L. de C.V.	Switzerland
342.	South Pole Group UK Ltd	Switzerland
343.	South Pole Holding	Switzerland
344.	South Pole Netherlands B.V.	Germany
345.	South Pole Sweden AB	Switzerland
346.	SPIN-US spółka z ograniczona odpowiedzialnoscia	Poland
347.	Stad Leuven	Belgium
348.	Stavanger Kommune	Norway
349.	Stichting Cenex Nederland	Netherlands
350.	Stichting Cues	Netherlands
351.	Stichting dotSPACE	Netherlands
352.	Stichting Economic Board Utrecht	Netherlands
353.	Stichting Historie der Techniek	Netherlands
354.	Stichting Red Cross Red Crescent Climate Centre on Climate Change and Disaster Preparedness	Netherlands
355.	Stichting Rooftop Revolution	Netherlands
356.	Stichting StartLife Holding	Netherlands
357.	Stichting Technotrend	Netherlands
358.	Stichting VU (Vrije Universiteit)	Netherlands
359.	Stichting Wageningen Research	Netherlands
360.	Stichting Water Alliance	Netherlands
361.	Stichting YES!Delft Students	Netherlands
362.	Stiftung Global Infrastructure Basel	Switzerland
363.	Stiftung myclimate	Switzerland

364.	Stockholm Green Digital Finance, by Insamlingsstiftelse Gaia Values, (with Stockholm Sustainable Finance Centre)	Sweden
365.	Stork Asset Management Tehnology B.V.	Netherlands
366.	Stowarzyszenie EKO-BIEGLY	Poland
367.	Stowarzyszenie Centrum Rozwiazan Systemowych	Poland
368.	Suez Eau France	France
369.	Suez Groupe SAS	France
370.	Sustainable Finance Ireland	Republic of Ireland
371.	Sustainable Towns	Spain
372.	Sustainable Venture Development Partners Ltd	United Kingdom
373.	SustainCERT SA	Luxembourg
374.	Sveučilište u Splitu	Croatia
375.	Sveuciliste u Zagrebu Agronomski fakultet	Croatia
376.	Swarmcheck sp z.o.o.	Poland
377.	Szveuciliste U Zagrebu	Croatia
378.	T-Box Delivery & Solutions S.L.	Spain
379.	Tech Valley Management S.L	Spain
380.	Technical University of Sofia	Bulgaria
381.	Technická univerzita v Košiciach	Slovakia
382.	Technische Universität Berlin	Germany
383.	Technische Universität München	Germany
384.	Technische Universiteit Delft	Netherlands
385.	Technological University Dublin	Republic of Ireland
386.	Technostarters Delft Vastgoed B.V.	Netherlands
387.	Tecnia Research & Innovation	Spain
388.	TEP Energy GmbH	Switzerland
389.	The City of Edinburgh Council	United Kingdom
390.	The Climate Change Organisation	United Kingdom
391.	The Culture Initiative LTD	United Kingdom
392.	The Cyprus Institute	Cyprus
393.	The Democratic Society AISBL	Belgium
394.	The Democratic Society Ltd	Belgium
395.	The Ecological Sequestration Trust (Trading) Limited	United Kingdom
396.	The Gold Standard Foundation	Switzerland
397.	The Nature Conservancy	United States
398.	The Nature Conservancy in Europe gemeinnützige GmbH	Germany

399.	The Provost, Fellows, Foundation Scholars, and the other members of Board, of the College of the Holy and Undivided Trinity of Queen Elizabeth near Dublin	Republic of Ireland
400.	The University Court of the University of Edinburgh	United Kingdom
401.	The University of Birmingham	United Kingdom
402.	The University of Central Lancashire	United Kingdom
403.	TheRockGroup Holding BV	Netherlands
404.	TopSportsLab	Belgium
405.	Tractebel Engineering	France
406.	Trentino Sviluppo	Italy
407.	Trivector Traffic AB	Sweden
408.	Trønderenergi AS	Norway
409.	Trondheim Kommune	Norway
410.	Turun Yliopisto	Finland
411.	Uclan Cyprus Ltd	Cyprus
412.	UK Green Building Council Limited	United Kingdom
413.	UK100 Cities Network Limited Company	United Kingdom
414.	Umweltverband WWF Österreich	Austria
415.	Unist Tehnološki Park, D.O.O.	Croatia
416.	Universal Owner Ltd	United Kingdom
417.	Universidad Politécnica de Cartagena	Spain
418.	Universidad Politecnica de Madrid	Spain
419.	Universidade Católica Portuguesa	Portugal
420.	Università degli Studi di Trento	Italy
421.	Università Politecnica Delle Marche	Italy
422.	Universität Hamburg	Germany
423.	Universitat Politècnica de València	Spain
424.	Universität Zürich	Switzerland
425.	Universitatea Tehnica Din Cluj Napoca	Romania
426.	Université de Bretagne Occidentale.	France
427.	Universite de Technologie de Troyes	France
428.	Universiteit Utrecht	Netherlands
429.	University College London	United Kingdom
430.	Uniwersytet Gdanski	Poland
431.	Uniwersytet Warszawski	Poland
432.	Unternehmer TUM GmbH	Germany
433.	Urban Workshop sp. z o. o.	Poland
434.	Veolia Eau – Compagnie Generale des Eaux	France
435.	Veolia Environnement S.A.	France

436.	Veolia Innove	France
437.	Veolia Recherche et Innovation	France
438.	Virtech Ltd	Bulgaria
439.	Vlaamse Instelling voor Technologisch Onderzoek N.V.	Belgium
440.	Volans Ventures Ltd	United Kingdom
441.	Wageningen University	Netherlands
442.	WISE Europa - Fundacja Warszawski Instytut Studiow Ekonomicznych I Europejskich	Poland
443.	World Business Council for Sustainable Development	Switzerland
444.	Wuppertal Institut fuer Klima, Umwelt, Energie GmbH	Germany
445.	WWF European Policy Programme AISBL	Belgium
446.	YES!Delft B.V.	Netherlands
447.	Zaļo un Viedo Tehnoloģiju Klasteris	Latvia
448.	Združenje na građani SMART AP – Laboratorija za socijalni inovacii Skopje	Macedonia
449.	Zelena energetska zadruha za usluge	Croatia
450.	Zuercher Hochschule für Angewandte Wissenschaften	Switzerland
451.	ZUM urbanizem, planiranje, projektiranje d.o.o.	Slovenia



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About EIT Climate-KIC

EIT Climate-KIC is the EU's climate innovation initiative, working to accelerate the transition to a zero-carbon and resilient world by enabling systems transformation. Headquartered in Amsterdam, it operates from 13 hubs across Europe and is active in 39 countries. EIT Climate-KIC was established in 2010 and is predominantly funded by the European Institute of Innovation and Technology (EIT), a body of the European Union. As a Knowledge and Innovation Community (KIC), it brings together more than 400 partners from business, academia, the public and non-profit sectors to create networks of expertise, through which innovative products, services and systems are developed, brought to market and scaled-up for impact.

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