

Statement from the CEO

December 2017

The **Resilience Brokers Programme** will see the implementation of resilient development paths across **200 city regions globally by 2022**.

Powered by the innovative **data-driven technology** of resilience.io –based on **collaborative and systems thinking approaches**– the Programme supports real local solutions to global challenges whilst **reducing overall city region investment needs by up to 40%**. Using **insurance grade risk data** and **scientific evidence**, resilience.io supports **investment portfolio diversification** and the articulation of **positive ecological, social and economic impacts and returns**.

Our innovative approach will help communities to **identify co-benefits and capture resilience dividends and efficiencies** from a **holistic understanding of infrastructure, technology and process interdependencies**. All of which will support our transformative change goals.

Introduction

The Ecological Sequestration Trust (the Trust) is a registered Charity and a Company Limited by Guarantee, established in 2011. The Trust was set up to speed up and scale up transformative city region development towards Disaster Risk Reduction targets and the Global Goals. Since joining the Social Stock Exchange, the Trust has established a new wholly owned subsidiary – Resilience Brokers Capital Limited – to deliver the objectives of the global Resilience Brokers Programme.

Resilience Brokers Capital Limited will issue shares and be responsible to investors and will maintain an ongoing focus on financing opportunities. It will provide funds to its wholly owned subsidiary, Resilience Brokers Limited, to complete the resilience.io development work and roll out the five year Resilience Brokers Programme. Resilience Brokers Limited will licence all related IP from the Trust to facilitate this. To align with the transfer of the Programme we are also seeking to transfer membership of the Social Stock Exchange from the Trust to Resilience Brokers Capital.

The following summarises the work of Resilience Brokers Capital Limited.

Group structure chart



Resilience Brokers Mission

"To support a rapid transition to resilient development paths in all economies and regions to build a better future for people everywhere, leaving no one behind."

The Agreed Business of the Group is:

- The delivery of the United Nations Sustainable Development Goals (Global Goals): through the development and introduction of open source Geographic Information System (GIS) modelling tools that support a collaborative, human, ecological, economic and resource approach. These tools can be used anywhere in the world at national, regional and city scales;
- To create reports and roadmaps aimed to promote awareness and understanding of how to mobilise investment to meet Global Goals; and
- To promote and carry out research –for the public benefit– into climate change and methods to mitigate its effect, and to publish and widely disseminate the results of such research.



The Agreed Business of the Group is such that the Group intends to conduct its business in a responsible manner with consideration given to its impact on all stakeholders.

The Company will only consider accepting investment from investors who share the Resilience Brokers Mission. The Company will make the tools it develops open source after a reasonable period of time with the intention of widening the use beyond the initial cohort of the 200 demonstration city regions. The Company intends to pay dividends, provided this does not materially compromise the financial sustainability of the Company or the Resilience Brokers Mission.

Resilience Brokers Programme

Resilience Brokers Limited, will be responsible for the delivery of the Resilience Brokers Programme.

In our “Resilience Broker” capacity, together with extensive consultation of a network of global experts representing countries in all regions, we have developed [Roadmap 2030](#). A sophisticated step-by-step action plan that shows how municipal and city governments, citizens, civil society, the private sector and faith communities can work in partnership to unlock and redirect the transformative power of trillions of dollars of private funding into sustainable development projects in city regions. The introduction of sustainable development path at the proposed scale will support the achievement of the Global Goals, the New Urban Agenda, the Sendai Framework and the Paris Agreement targets.

Roadmap 2030 is an independent, evidence based publication that addresses 16 cross-cutting themes. It was created in 2016 by world leading experts based in entities including the European Investment Bank (EIB), the United Nations Development Programme (UNDP), African Development Bank (AfDB) and the International Finance Corporation (IFC) as well as the Organisation for Economic Co-operation and Development (OECD), the Group on Earth Observations (GEO) and the Columbia University Earth Institute.

The **Resilience Brokers Programme** is the practical enabling mechanism for these innovative cross-sector partnerships and to crowd-in the private sector and investment. The overall objectives of the global Resilience Brokers Programme are to:

1. Significantly reduce systems risk at city-regional and global scale
2. Accelerate scaling of innovative technologies
3. Mobilise private sector investment
4. Engage and empower communities

Intellectual Property

At the heart of this Programme is [resilience.io](#), described by leading experts as the most sophisticated city region modelling platform being developed in the world. A software solution that connects developers, innovators and technology providers, with city stakeholder demand for collaborative risk-informed investment and policy decision making. And it also supports infrastructure and technology design and procurement.

Key innovative elements of this technology enable users to overcome the limitations of existing data mapping, risk-modelling city visualisation and even big data tools connected to smart city sensors, by helping them to understand the interlinkages between systems and to evaluate and quantify social, environmental and economic impacts.

The resilience.io prototype has been successfully [piloted in Ghana](#) by local users, to create a lower cost investment plan for water supply and sanitation for four million people. We are currently formulating plans for city region demonstrators in Europe, China, India, South America and SE Asia.

The next step is to complete the development of the resilience.io platform and to take it to 200 city regions across the world over the next five years. All projects delivered across the 200 target regions will aim to accelerate the implementation of sustainable development goals through risk-assessed investment in the community and their infrastructure.

The Programme's extraordinary potential for global impact at such scale, underpinned by the unrivalled technology of [resilience.io](#), continues to engage [world-leading organisations](#) from all sectors of society including: Group on Earth Observations (GEO), International Centre for Earth Simulation (ICES), International Council for Local Environment Initiatives (ICLEI), United Nations Sustainable Development Solutions Network (UNSDSN), the Alliance of Religions and Conservation (ARC) and the International Cooperative and Mutual Insurance Federation (ICMIF) among others.

The combined knowledge, far-reaching networks, influencing power and established operational excellence of our partners, allows for a rapid mobilisation and seamless deployment of the Programme to any region in the world –making the vision of our ambitious scale-up schedule a practical and achievable goal.

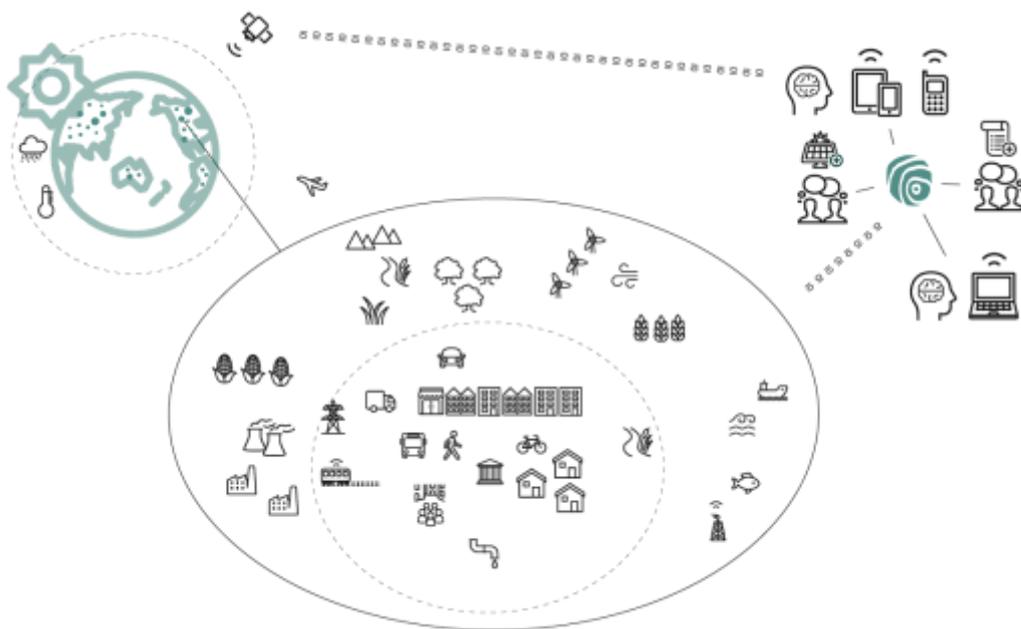
Ownership of resilience.io

To enable the Company to raise equity capital, the Trust will licence intellectual property developed over the last six years, including the resilience.io platform, to the Subsidiary to support further development of resilience.io and integration into the Programme. This licence agreement is currently being finalised and will be in place prior to the finalisation of any Subscription Agreements.

Use of resilience.io

The Resilience Brokers Programme intends to aid the acceleration of the selection and financing by the private and public sector of the best available technologies and solutions. It supports risk-informed investment and planning decisions, providing evidence to attract new investment into healthy and resilient development in city regions. And it also enables users to assess, evaluate and scale technologies in a consistent and comparable, science-informed way anywhere in the world.

By using the resilience.io platform, the mitigation or adaptation impact of new technologies across a region can be scenario tested as part of risk-assessed decision making. Investment in the right technologies can be exponentially scaled at the pace and quality required but not yet achieved by historical linear programmes. Similar to the build and implementation of Google Earth, the resilience.io platform will be able to capture the value associated with the rapid, science-based assessment, evaluation and scaling of innovative technologies through inclusion in the process block library which will be available in App form.



Get involved! [Get in touch!](#)

Resilience Brokers have assembled! We are starting the journey to help the world and are inviting more experts and networks to join us. Over the next five years we aim to support at least one demonstration region in each country that signed up to the Global Goals. We are actively looking for city regions with big resilience challenges to become demonstrators for our Programme and we are looking for investors to finance the transformation of city regions into thriving communities.