

This is “a **code red** for humanity”

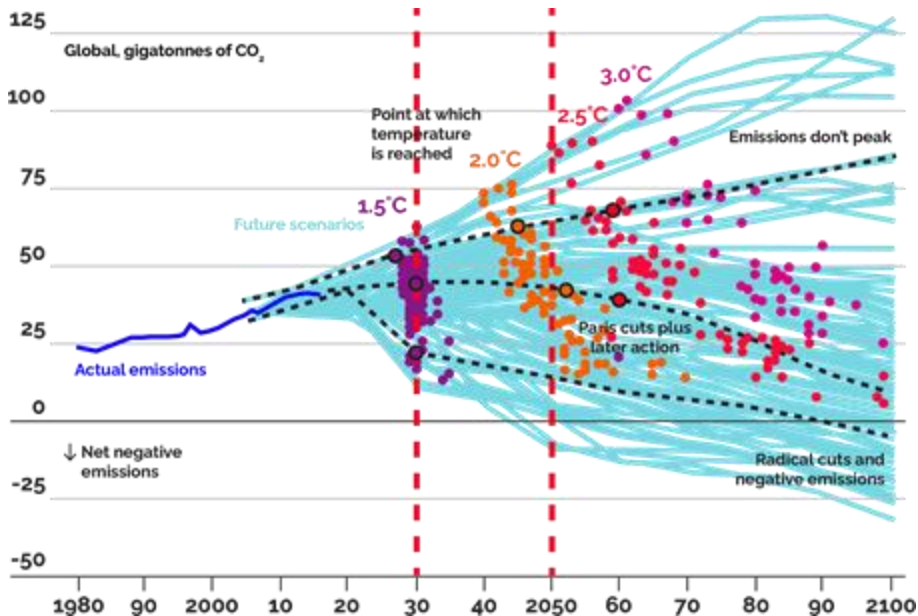
UN secretary general António Guterres

Radical systemic change is the
only pathway to a sustainable
future for humanity

On current path, 2°C well before 2050

- The emissions path has little impact on timing of the 1.5°C threshold ~2030.
- 2°C reached before 2050 for both the high and central emission scenarios.
- With high emissions scenario, 3°C may be reached ~2060 and 5°C before 2100.

Scenarios for future CO₂ emissions with three representative pathways picked out



Source: Glen Peters chart from GCP, CDIAC data

“ Continuing to work through gradual, incremental changes will not be enough. What is needed now is a fundamental transformation of economic, social and financial systems to trigger exponential increases in decarbonisation rates and climate resilience. ”

Source: Climate-KIC's Transformation, in Time strategy document

EIT Climate-KIC is Europe's largest public-private partnership addressing climate change through innovation to build a **net-zero-carbon economy and society**.

We are supported by the **European Institute of Innovation and Technology (EIT)**, a body of the European Union.

Our response to climate emergency has been to focus our efforts on **systems innovation** to generate options and pathways for radical transformation.

Our Vision

A prosperous, inclusive, climate-resilient society with a circular net-zero emissions economy

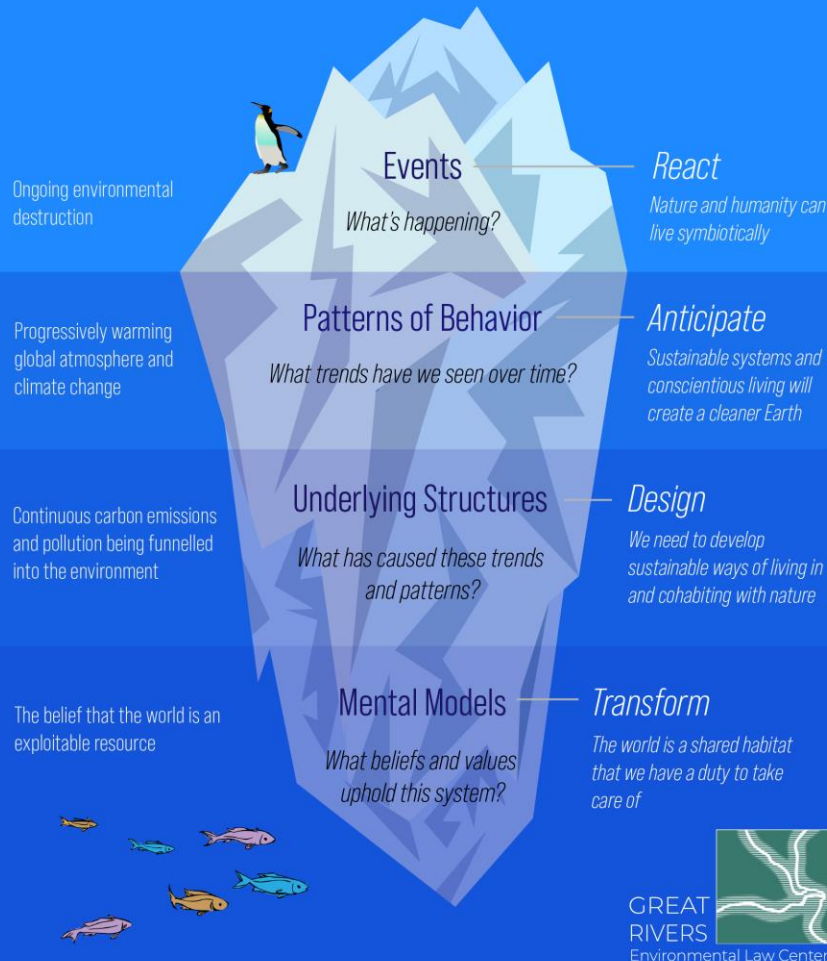
Our Mission

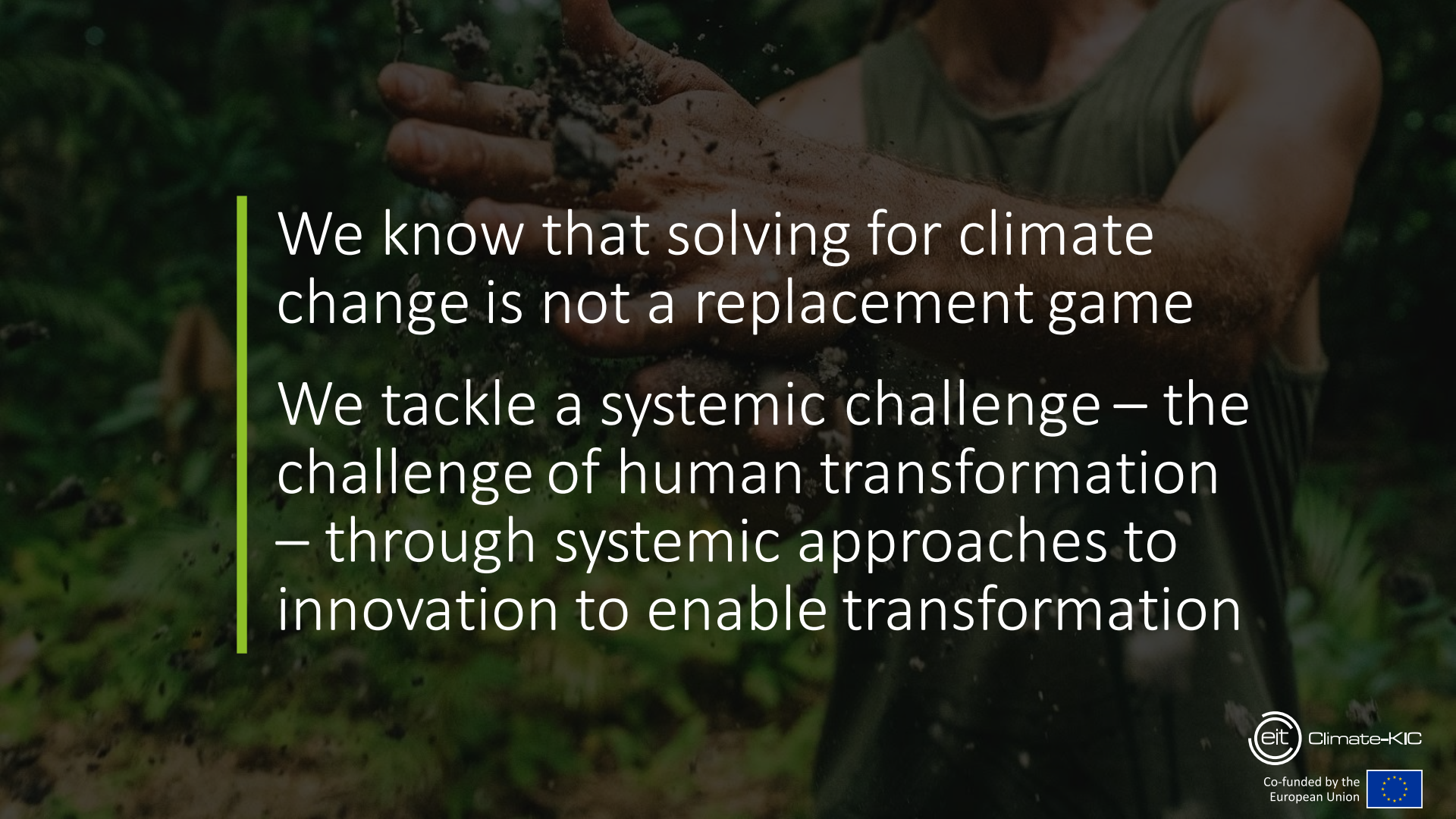
To catalyse systemic change for climate action

Our Promise

Transformation in time, through systems innovation

Systems Thinking Applied to Climate Change

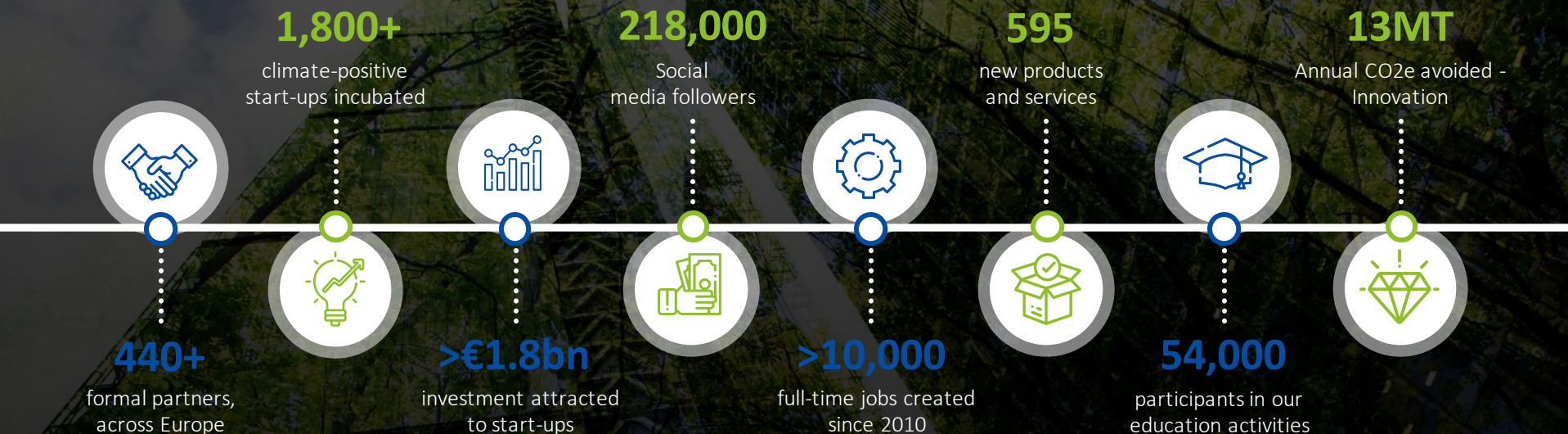


A background image showing a person's hands holding a clump of dark soil, with some soil falling through their fingers. The person is wearing a green tank top. A solid green vertical bar is positioned on the left side of the image, partially behind the text.

We know that solving for climate change is not a replacement game

We tackle a systemic challenge – the challenge of human transformation – through systemic approaches to innovation to enable transformation

We have a decade-long record of impressive results and a major catalogue of innovation on which to draw





You also want to ensure the transition is fair to everyone.

We bring systems innovation to the toughest climate challenges, where emissions are stubborn and climate resilience is weak

Cities



Dirty construction

Built-by-Nature:
Construction is a major source of waste and emissions, both through the materials used and the techniques deployed.



Energy-hungry buildings

Renovation Revolution:
Heating and cooling our homes accounts for high emissions and with limited evidence of improvement.

Land-Use



Rampant Deforestation

Landscapes as Carbon Sinks:
Deforestation rates are increasing as the demand for land and forest products is increasing too.



Damaging Farming

Regenerative Agriculture: Soil carbon is being destroyed by monoculture, and the inputs to the agriculture supply chain (e.g. animal feed and fertilisers) are very damaging to the climate and environment.

Industry



Coal Dependence

Coal and Heavy Industry Region Transformation: Coal production and climate damaging heavy industry has to stop quickly to meet 1.5, but a just transition for those hit hard is tough.



Problem Waste

Circular Economy:
The make-use-dispose linear product cycle still dominates, generating massive waste and considerable emissions.

Tough Climate Action Challenge

An aerial photograph of a city, likely Singapore, showing a central green space with a circular road and surrounding high-rise buildings. The image is used as a background for the text.

Our aim is to transform whole places, industries and value chains by 2030, working with funders and partners to develop and scale ambitious, mission-led programmes.

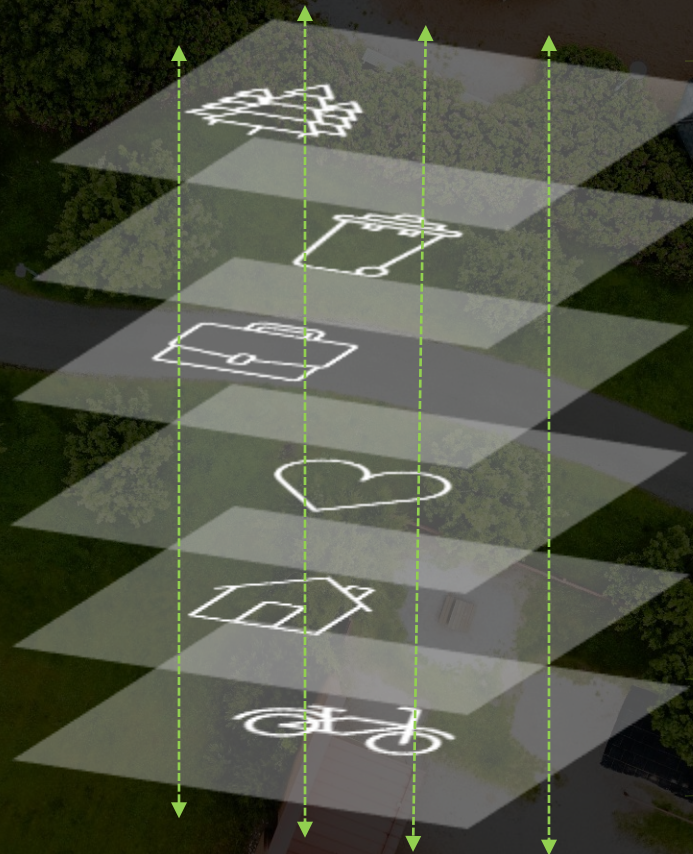
Our Approach

EIT Climate-KIC uses a portfolio approach to the development and deployment of innovation to achieve **systemic change**.

We build portfolios of deliberately chosen innovations that work across technology, policy, finance, citizen engagement and other relevant 'levers of change'.

But for large-scale impact, we need to look for integrations and leverage points.

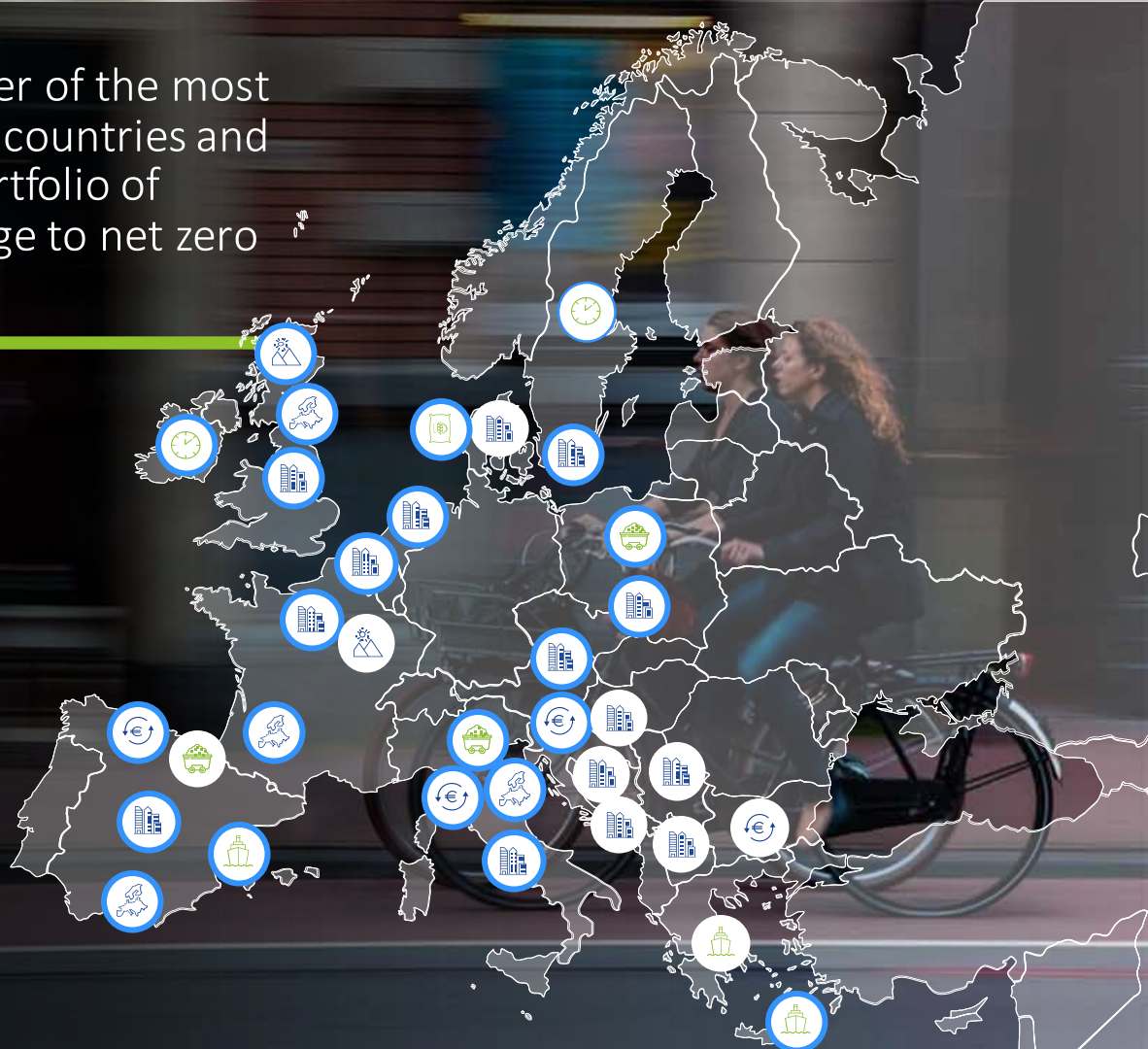
This requires a different approach: **systems thinking**, joint programming, joint funding and blended finance to catalyse **whole systems transitions**.



- Electricity
- Health and wellbeing
- Ground transport
- Green spaces
- Air travel
- Air pollution
- Waste
- Jobs
- Food
- Skills
- Fuel combustion
- Fuel poverty
- Water
- Resilience
- Building materials

We are the transformation partner of the most climate ambitious cities, regions, countries and businesses, helping to bring a portfolio of innovations to unlock rapid change to net zero and climate resilience

-  Healthy, Clean Cities (HCC)
-  Just Transformation (JT)
-  Circular, Regenerative Economies (CE)
-  Maritime Hubs (MH)
-  Forging Resilient Regions (FRR)
-  Long-termism (LT)
-  Landscapes as Carbon Sinks (LCS)
-  Climate-friendly Food Systems & Diets (FS)
-  Collaboration Commitments



We offer a platform and organisation already at the heart of the EU Mission to create 100 climate neutral cities by 2030

Press release | 29 September 2021 | Brussels

Commission launches EU missions to tackle major challenges

1. Adaptation to Climate Change
2. Cancer
3. Restore our Ocean and Waters
4. 100 Climate-Neutral and Smart Cities
5. A Soil Deal for Europe



Cities Mission
Pilot
EIT Climate-KIC
(lead)

- Net Zero Cities is the biggest of all the EU Green Deal pilot projects, commenced Oct 2021
- Designed to kickstart the Mission on Cities in Horizon Europe – with the goal to decarbonise 100 + 100 cities by 2030
- Programme is €53m over 4 years

Contact us

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