

futureearth

Research. Innovation. Sustainability.

**Advance research in support
of transformations to global
sustainability**



**International
Science Council**

UN 
**environment
programme**


United Nations
Educational, Scientific and
Cultural Organization

BELMONT 
FORUM

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GLOBAL
IGBP International
Geosphere-Biosphere
Programme
CHANGE



International
Science Council

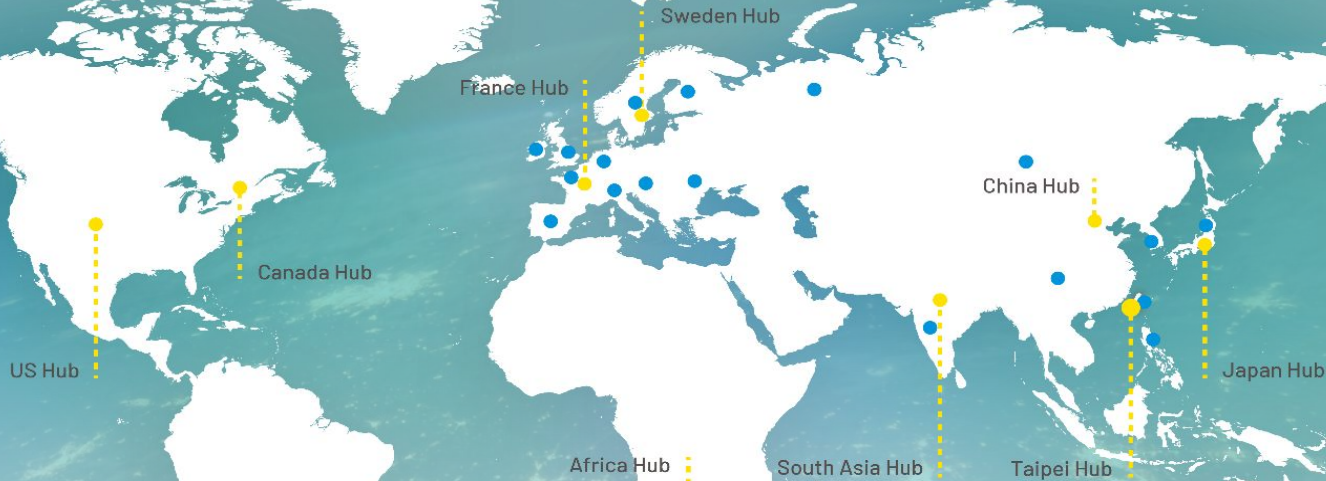
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9 Global Secretariat Hubs

19 National and Local Networks

27 Global Research Networks



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10

NEW INSIGHTS IN CLIMATE SCIENCE

an annual process to prioritise and highlight
key messages from researchers to policymakers

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WCRP 
World Climate Research Programme

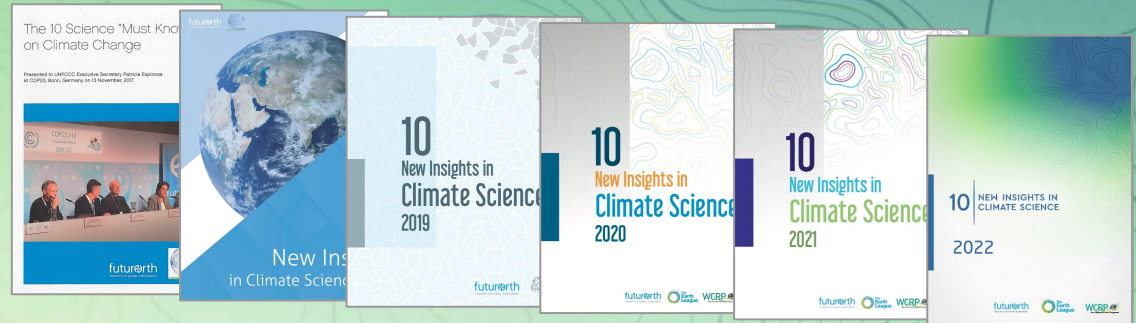
What is this?

An **annual synthesis** that highlights essential recent advances in climate change research, from natural and social sciences, with high policy relevance.

A **collaboration** between:



- **Policy report:** Geared toward negotiators and other involved in the UNFCCC process, policymakers, business leaders, and civil society more broadly.
- **Academic manuscript:** Underpinning the policy report; relevant for researchers who want a better understanding of areas beyond their field of expertise



Why doing this?

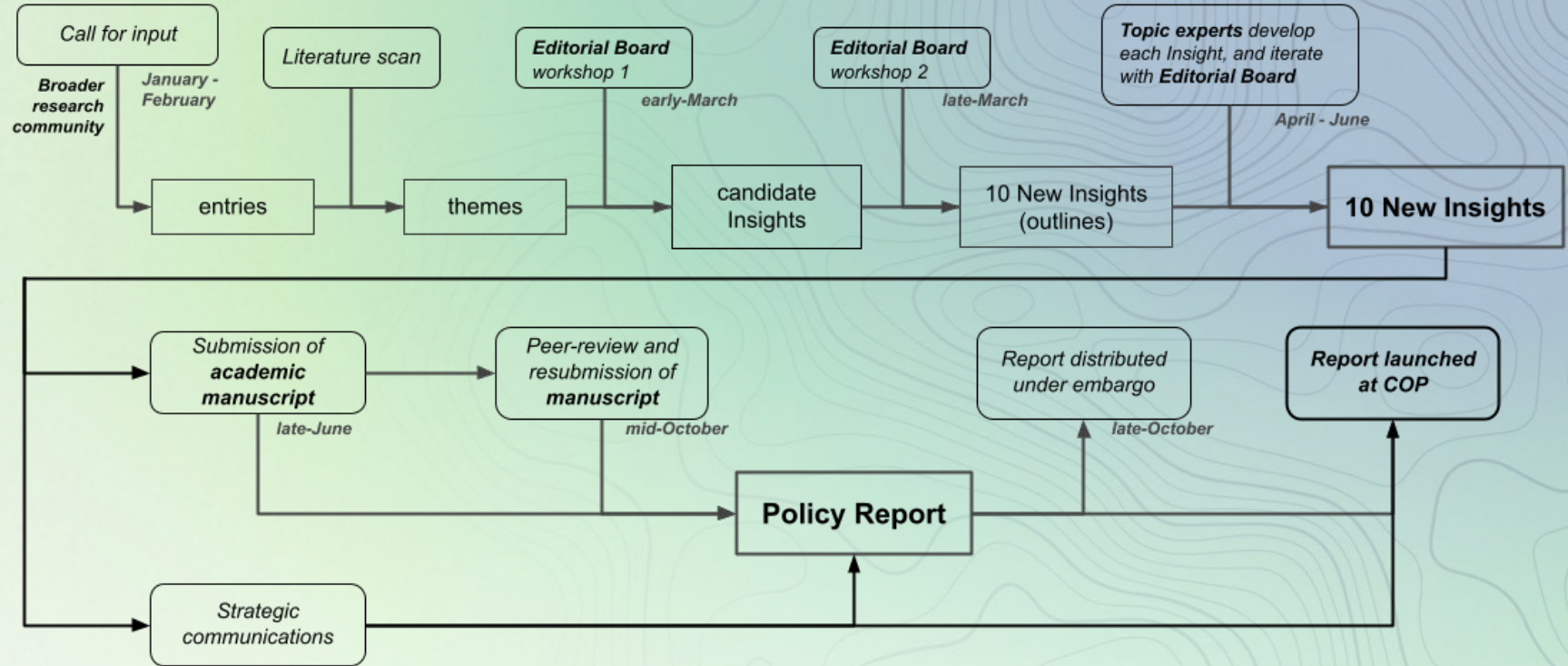
First instalment launched at:



"Let's make this an annual report!"

- IPCC Assessment Reports: THE comprehensive synthesis of the state of climate change science.
- But each cycles take >6 years to be completed, and research moves fast.
- There are essential scientific advances that should be raised to the attention of negotiators.
- Accessible and relevant.
- More direct ("unfiltered") messages

The Annual Cycle



The Annual Cycle



1

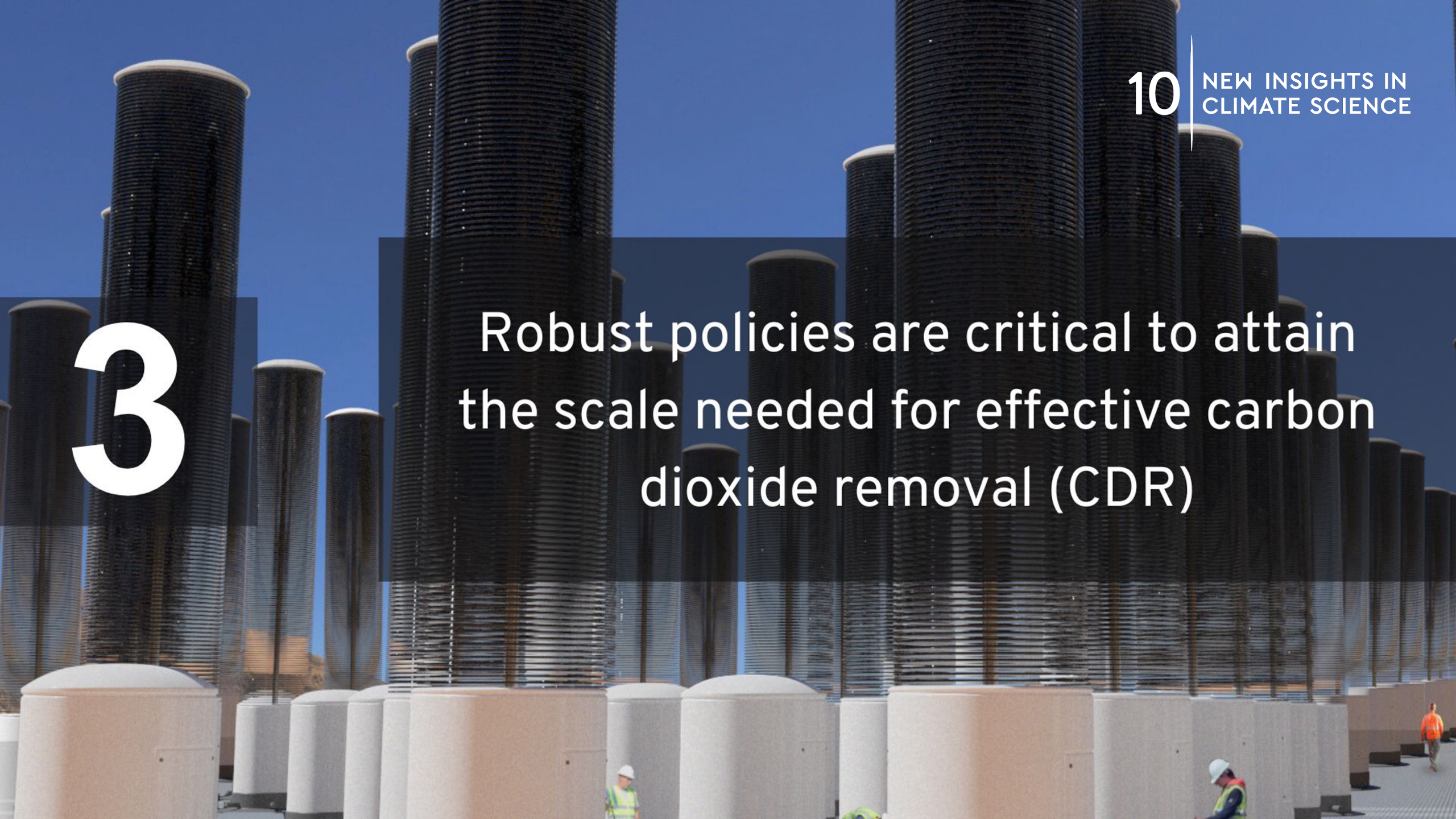
Overshooting 1.5°C is fast becoming inevitable. Minimising the magnitude and duration of overshoot is essential

2

A rapid and managed fossil fuel
phase-out is required to stay within the
Paris Agreement target range

3

Robust policies are critical to attain the scale needed for effective carbon dioxide removal (CDR)



4

Over-reliance on natural carbon sinks is a risky strategy: their future contribution is uncertain



Different ways to contribute

Thank You

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