



Il futuro è dipinto da noi:
leadership collettiva in tempi di
trasformazione

Bologna Missione Clima | 28 Nov 2024

Dr. Kirsten Dunlop



EIT Climate-KIC is supported by the
EIT, a body of the European Union

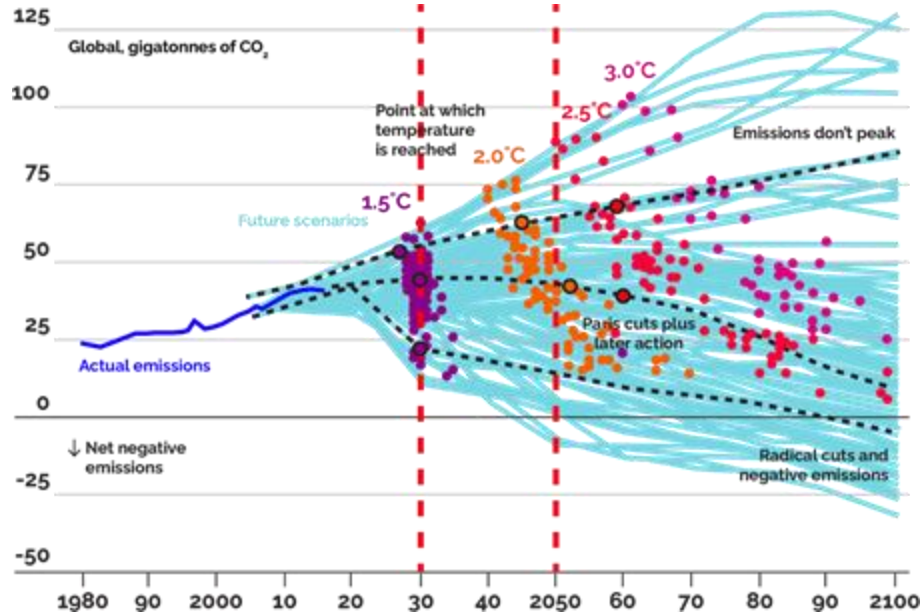
A wide-angle photograph of a modern building with a glass facade. The building is surrounded by a walkway with people walking. The walkway is lined with concrete planters containing green plants. The sky is clear and blue.

Europe's largest climate innovation agency and community

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.

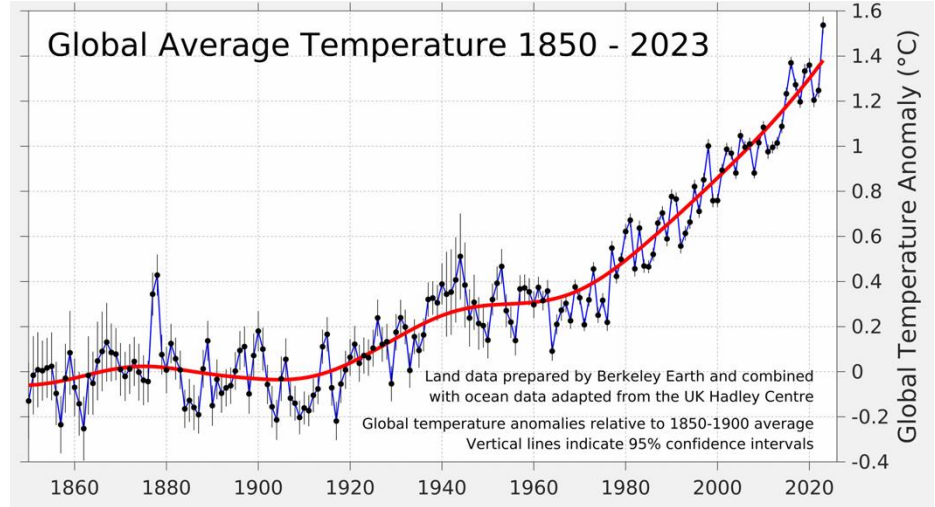
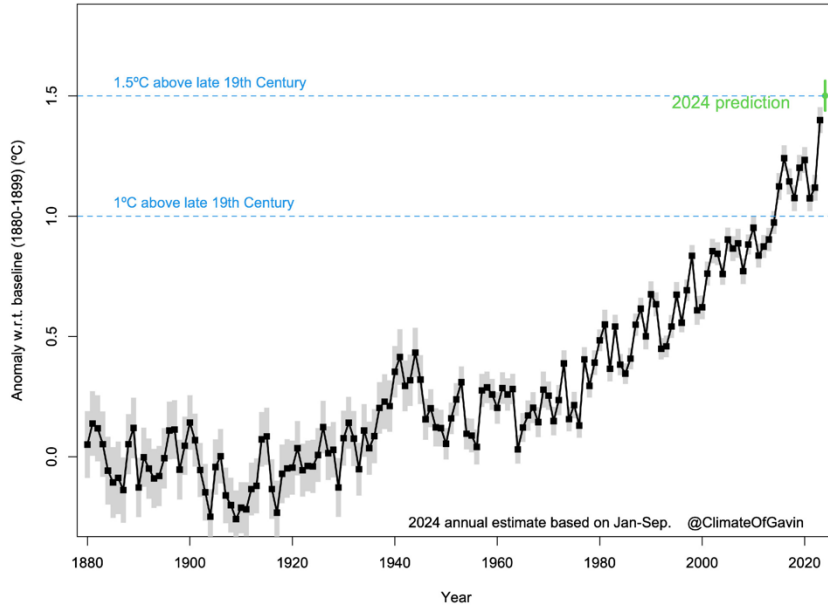
Scenarios for future CO₂ emissions with three representative pathways picked out



Source: Glen Peters chart from GCP, CDIAC data

Where are we right now?

GISTEMP v4 LOTI (incl. 2024 prediction)



Europe is the fastest warming continent, with temperatures rising at around twice the global average rate, as underlined by the [European Climate Risk Assessment](#).



X close

EUROPEAN STATE OF THE CLIMATE

REPORT 2023

↓ Scroll down for more

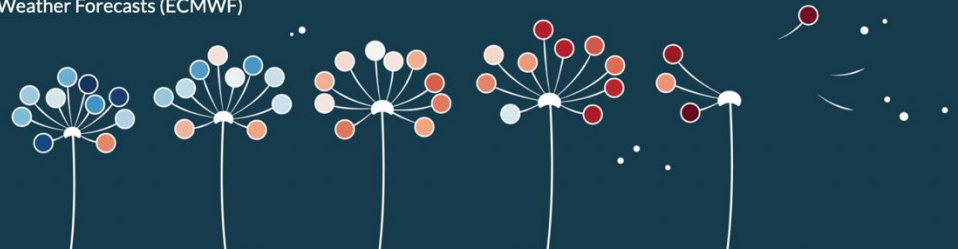
Welcome to the European State of the Climate 2023, compiled by the Copernicus Climate Change Service (C3S) and the World Meteorological Organization (WMO). C3S is implemented by the European Centre for Medium-Range Weather Forecasts (ECMWF) on behalf of the European Commission.

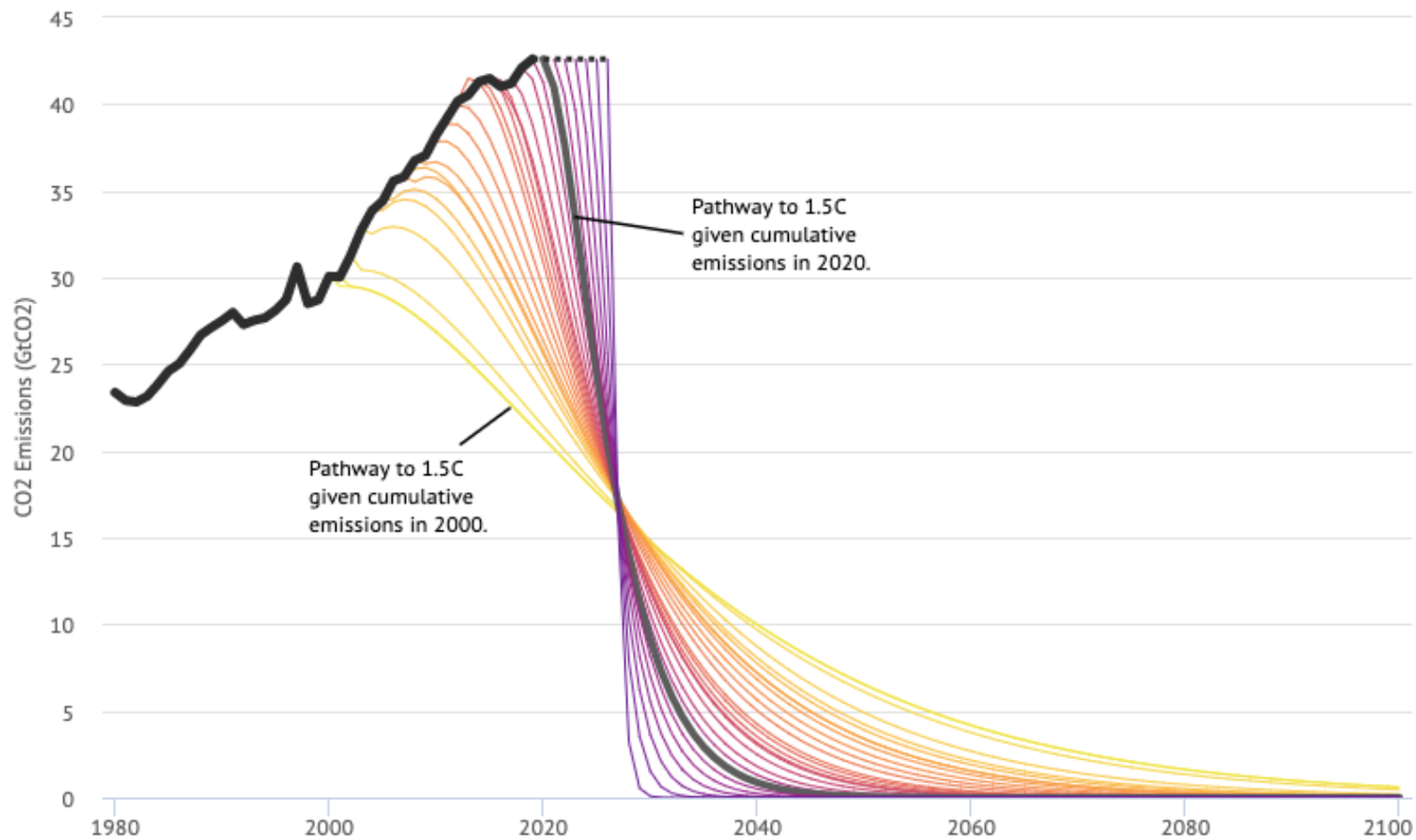
Summary >

Key events map >

Summary video >

About >



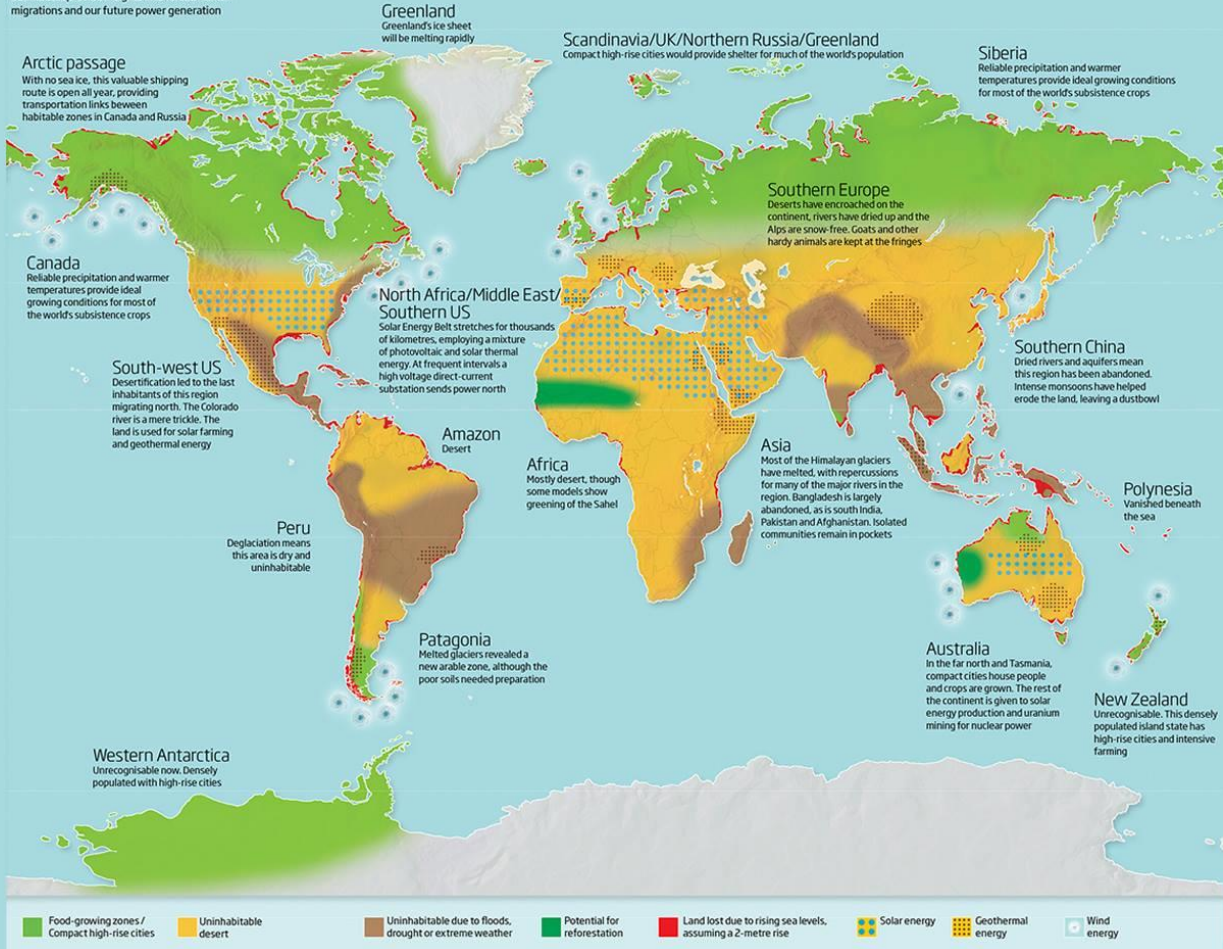


Pathway to 1.5C given cumulative emissions in 2020.

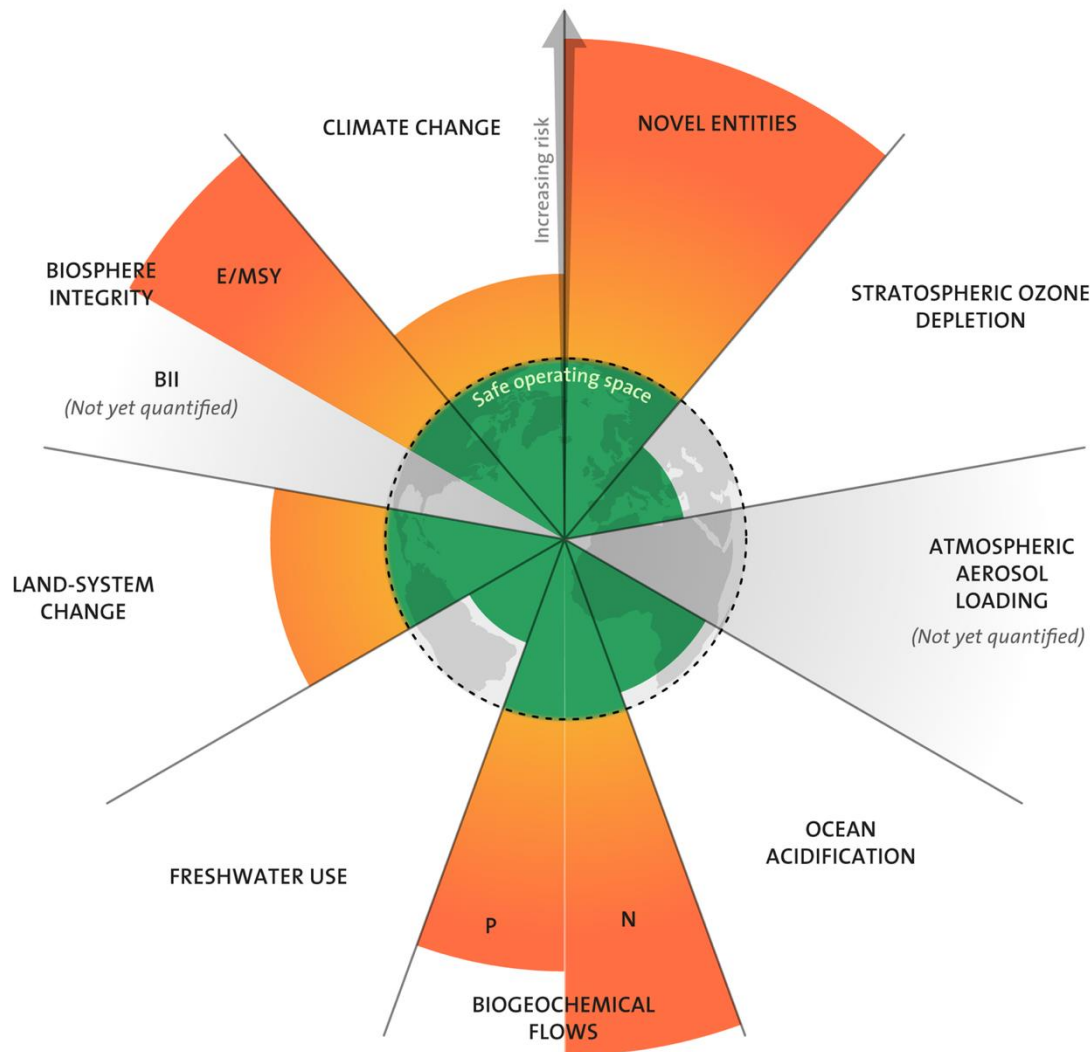
Pathway to 1.5C given cumulative emissions in 2000.

The world: 4°C warmer

No one knows exactly what this world will look like, but models provide insights into forced human migrations and our future power generation



<https://bigthink.com/strange-maps/what-the-world-will-look-like-4deg-warmer/>



The Nine Planetary Boundaries – a safe operating space for humanity

Designed by Azote for Stockholm Resilience Centre, based on analysis in Persson et al 2022 and Steffen et al 2015.



The age of extinction Oceans

Trees and land absorbed almost no CO2 last year. Is nature's carbon sink failing?

The sudden collapse of carbon sinks was not factored into climate models - and could rapidly accelerate global heating

Read more: [What happens to the world if forests stop absorbing carbon? Ask Finland](#)

The age of extinction is supported by



About this content



Patrick Greenfield

Mon 14 Oct 2024 08.00 BST

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Phytoplankton in the Baltic Sea. Melting sea ice exposes algae-eating zooplankton to more sunlight, which could cut the amount of carbon stored on the seabed. Photograph: Nasa/Alamy



GLOBAL WARMING THRESHOLDS

● $< 2^{\circ}\text{C}$
 ◆ $2-4^{\circ}\text{C}$
 ▲ $\geq 4^{\circ}\text{C}$

How will the worsening *consequences* of climate change affect action to tackle its *causes*?

Global surveys show people's growing concern about climate change



International | It's not easy being green

The global backlash against climate policies has begun

Cost, convenience and conspiracy-mongering undercut support for greenery

Winning the race against time in a context of disruptions

Global emission peak for
1.5 degree target (IPCC)

-43% to global emissions
(IPCC)

17 years left for climate
neutrality

2025

2027

2030

2031

2033

Start of next EU MFF

Continuum of wicked, interwoven crises





Climate Change, the Great Displacer

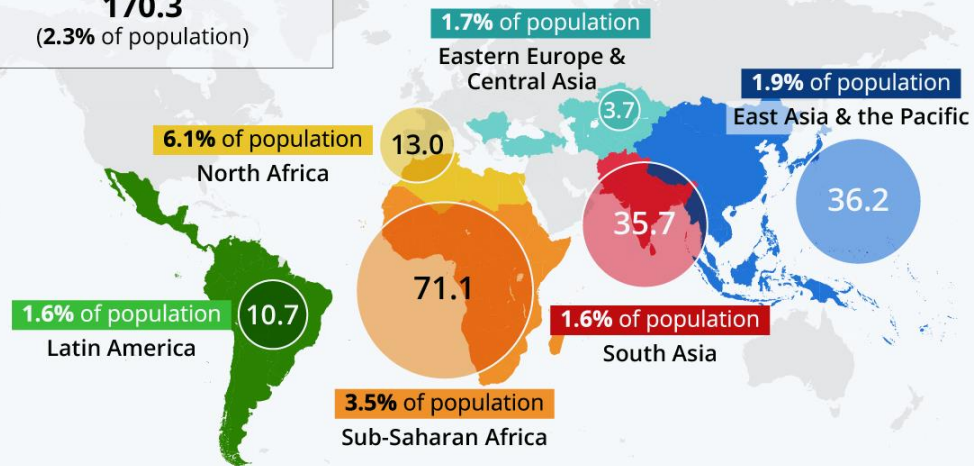
Average number of internal climate migrants
by 2050 per region (in millions)*



Total in surveyed regions

170.3

(2.3% of population)



* Modeled on pessimistic reference = High emission & unequal development scenarios concerning water availability, crop productivity and sea-level rise

Source: World Bank



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"This New Finance Goal is an Insurance Policy for Humanity": Simon Stiell at Close of COP29

24 November 2024

UN Climate Speech

Share the article



Umberto Eco's List of the 14 Common Features of Fascism

in [History](#), [Literature](#), [Politics](#) | November 1st, 2024



1. The cult of tradition. "One has only to look at the syllabus of every fascist movement to find the major traditionalist thinkers. The Nazi gnosis was nourished by traditionalist, syncretistic, occult elements."
2. The rejection of modernism. "The Enlightenment, the Age of Reason, is seen as the beginning of modern depravity. In this sense Ur-Fascism can be defined as irrationalism."
3. The cult of action for action's sake. "Action being beautiful in itself, it must be taken before, or without, any previous reflection. Thinking is a form of emasculation."
4. Disagreement is treason. "The critical spirit makes distinctions, and to distinguish is a sign of modernism. In modern culture the scientific community praises disagreement as a way to improve knowledge."
5. Fear of difference. "The first appeal of a fascist or prematurely fascist movement is an appeal against the intruders. Thus Ur-Fascism is racist by definition."
6. Appeal to social frustration. "One of the most typical features of the historical fascism was the appeal to a frustrated middle class, a class suffering from an economic crisis or feelings of political humiliation, and frightened by the pressure of lower social groups."
7. The obsession with a plot. "Thus at the root of the Ur-Fascist psychology there is the obsession with a plot, possibly an international one. The followers must feel besieged."
8. The enemy is both strong and weak. "By a continuous shifting of rhetorical focus, the enemies are at the same time too strong and too weak."
9. Pacifism is trafficking with the enemy. "For Ur-Fascism there is no struggle for life but, rather, life is lived for struggle."
10. Contempt for the weak. "Elitism is a typical aspect of any reactionary ideology."
11. Everybody is educated to become a hero. "In Ur-Fascist ideology, heroism is the norm. This cult of heroism is strictly linked with the cult of death."
12. Machismo and weaponry. "Machismo implies both disdain for women and intolerance and condemnation of nonstandard sexual habits, from chastity to homosexuality."
13. Selective populism. "There is in our future a TV or Internet populism, in which the emotional response of a selected group of citizens can be presented and accepted as the Voice of the People."
14. Ur-Fascism speaks Newspeak. "All the Nazi or Fascist schoolbooks made use of an impoverished vocabulary, and an elementary syntax, in order to limit the instruments for complex and critical reasoning."



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MARK GATISS

WE SURE TO WASH YOUR HANDS AND ALL WILL BE WELL.

RECESSION

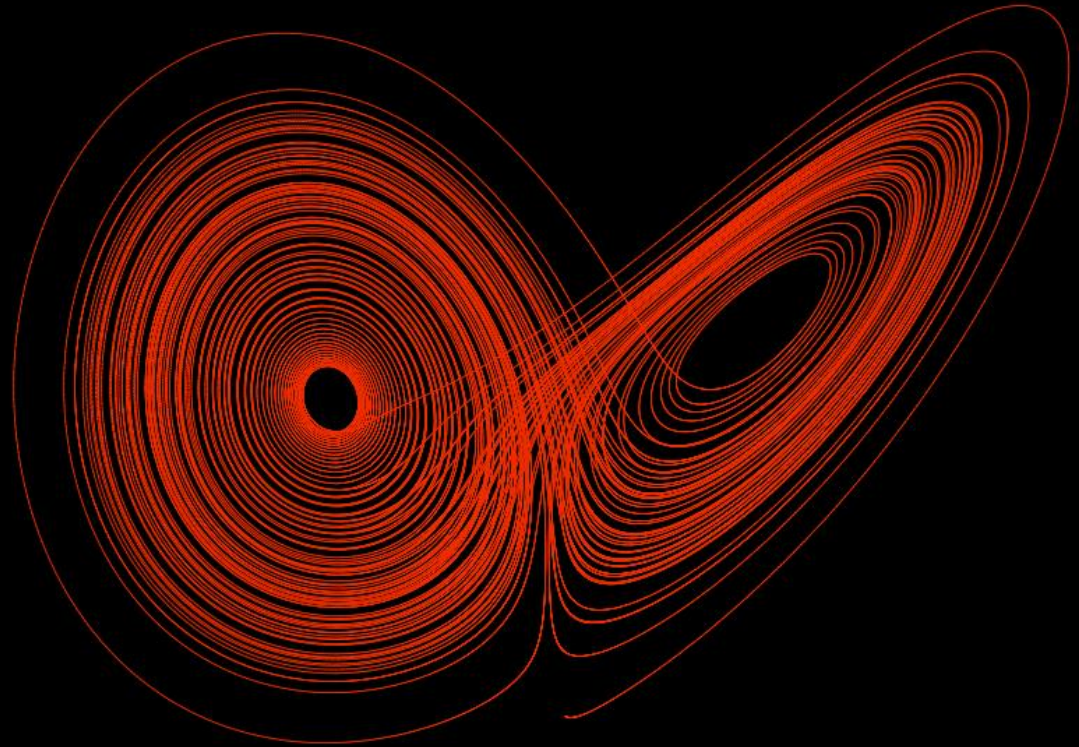
CLIMATE CHANGE

BIODIVERSITY COLLAPSE

WAR

Come possiamo uscire da questo incubo?

Qual'è il
ruolo delle
città e delle
regioni nel
trasformare
il rischio in
opportunità



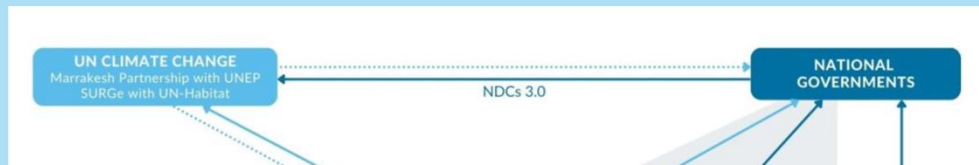


The Voice of Cities and Regions in the UNFCCC Climate Process

Welcome to the home of the Local Governments and Municipal Authorities Constituency (LGMA)

About the LGMA Constituency

The LGMA has served as the voice of cities and regions in global processes since were designated



COALITION FOR HIGH AMBITION MULTILEVEL PARTNERSHIPS (CHAMP) FOR CLIMATE ACTION



Recalling the Paris Agreement’s recognition of the importance of engagement of all levels of government, and subsequent decisions by the Conference of Parties (COP) to the United Nations Framework Convention on Climate Change (UNFCCC) on multilevel engagement, including the establishment of the High Level Champions at COP21 and their establishment of the Marrakech Partnership for Global Climate Action at COP22, the introduction of the Talanoa Dialogue process at COP23, and the COP26 Glasgow Climate Pact,



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Special Report on Climate Change and Cities

REPORT



Make the voice of humanity heard

We're supporting the establishment of a permanent Global Citizens Assembly to help address the biggest challenges facing humanity and our home. And we need something powerful on our side – your voice.

[JOIN THE COALITION](#)

The power of ordinary people to shape a better world

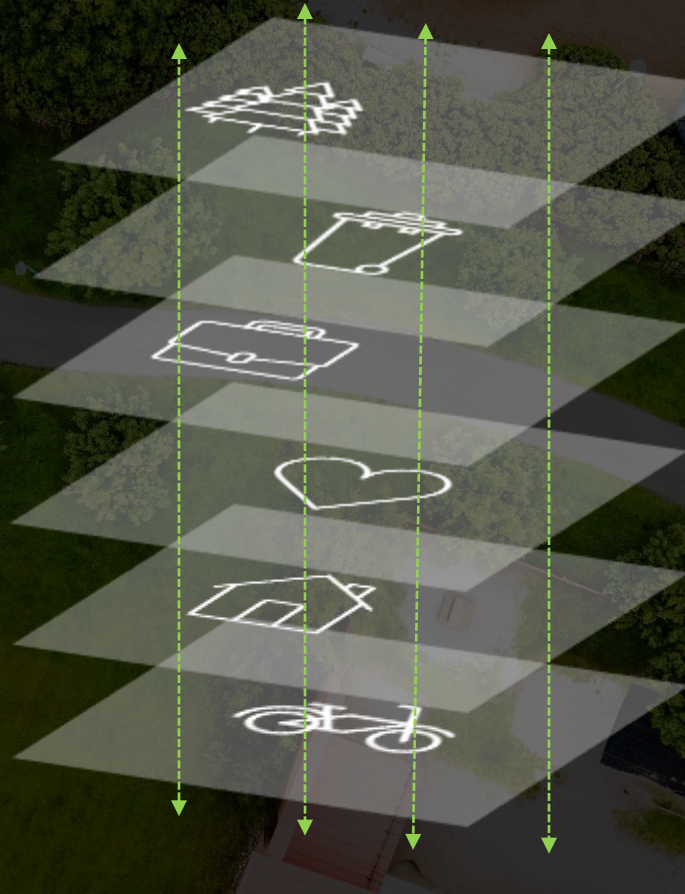
The Coalition for a Global Citizens' Assembly brings together diverse organisations who believe that a permanent global citizens' assembly would radically strengthen global governance. By making sure we reflect the voice of the people, we can accelerate action on the biggest challenges of our age, and generate solidarity.

Trasformazione per un futuro migliore

1. Ridurre le emissioni il più rapidamente possibile
2. Attivare un rapporto di partnership insieme alla natura
3. Invocare delle misure di emergenza
4. Investire in 'tipping points' positivi
5. Progettare per operare nell'incertezza costante
6. Sviluppare le capacità umane: chimica, mentalità, competenze e resilienza
7. Tutto su multiuso e multi-risoluzioni: l'era del pensiero sistemico
8. Giustizia, povertà, equità al centro: siamo in una corsa contro la disperazione
9. È l'ora per i cambiamenti di paradigma: economia, proprietà, governance
10. Narrazioni e visioni: prepararsi alle, alle transizioni

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
- Digital infrastructure

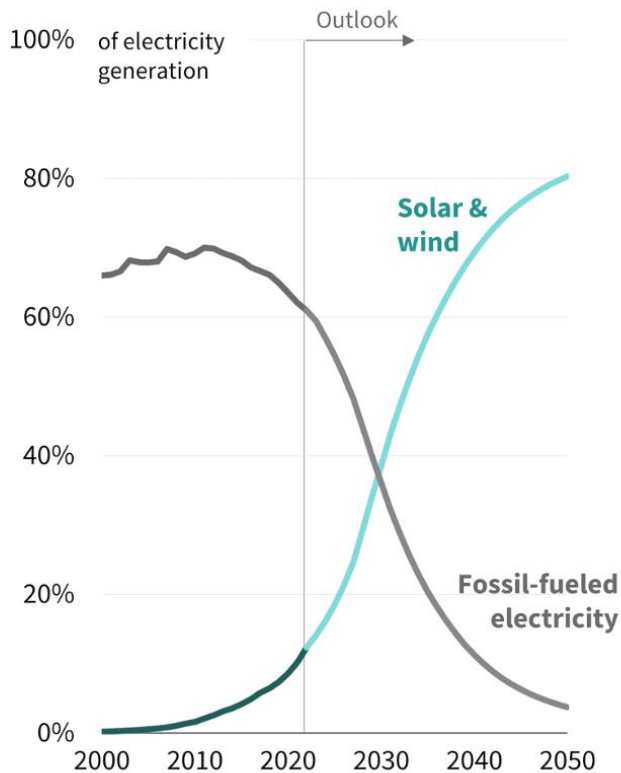
NEW STUDY IDENTIFIES ‘POSITIVE TIPPING POINTS’ THAT CAN BE LEVERAGED TO PREVENT THE COLLAPSE OF THE EARTH SYSTEM

Type |

[PUBLICATIONS](#)

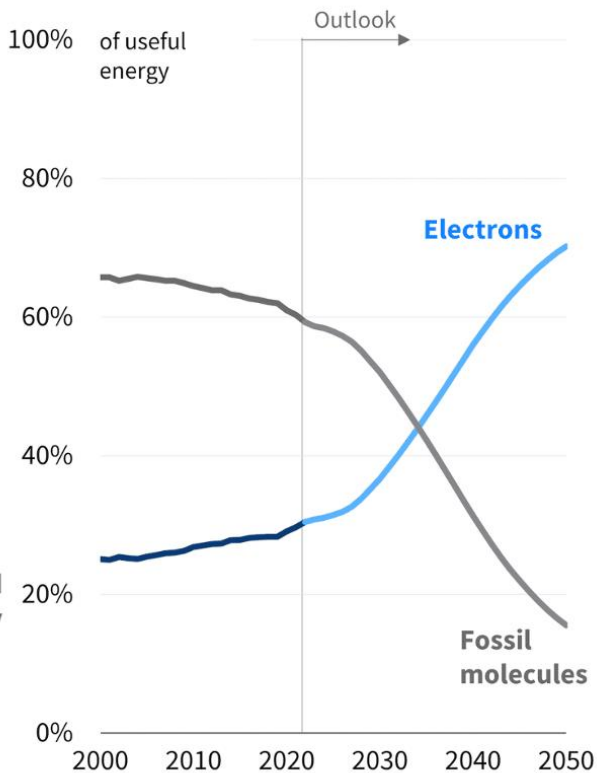
Renewables

Renewables beat fossil-fueled electricity



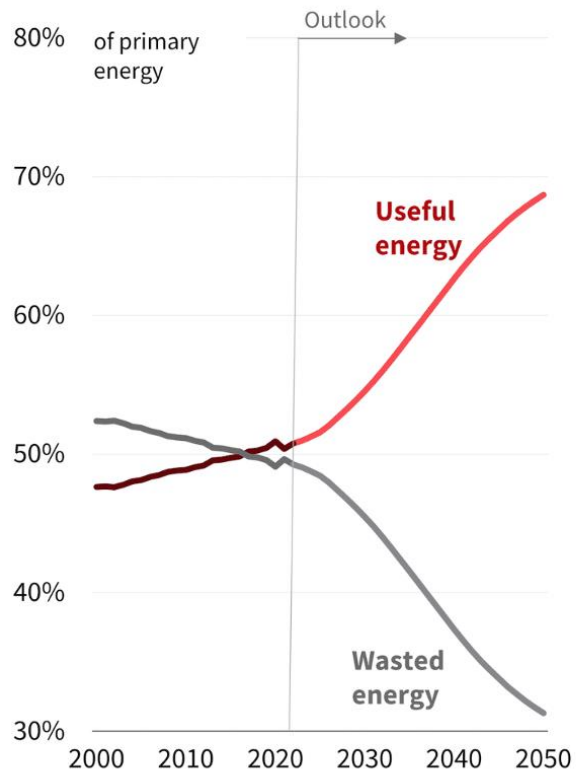
Electrification

Obedient electrons beat fiery molecules



Efficiency

Efficiency beats waste

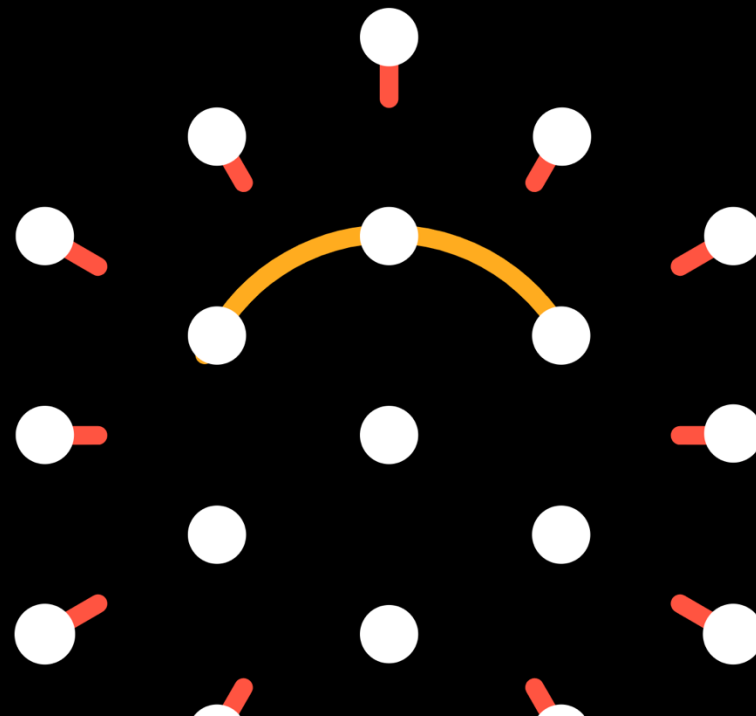


Click to go forward, hold to see history

A platform for funding strategic, multi-asset-class investment portfolios

We are working with the world's most committed investors, including governments, institutions, asset managers, pension funds, family offices, individuals, and foundations.

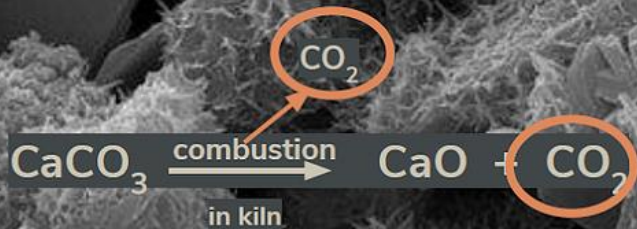
Explore



A 3D topographical map of the world, where the terrain is represented by the height of vertical bars. The map is color-coded by elevation, with higher elevations in shades of blue and purple, and lower elevations in shades of green and yellow. The text 'THINK BIOLOGICALLY' is rendered in large, 3D, light blue block letters, positioned across the central part of the map. Below it, the text 'MESSY MANAGEMENT NEW WORLD' is also rendered in 3D, light blue block letters, following the contours of the terrain. The overall scene is illuminated from the top, creating strong shadows and highlights that emphasize the three-dimensional nature of the map and the text.

THINK BIOLOGICALLY
MESSY MANAGEMENT
NEW WORLD

Portland cement calcination



Biomason Biocement[®] process





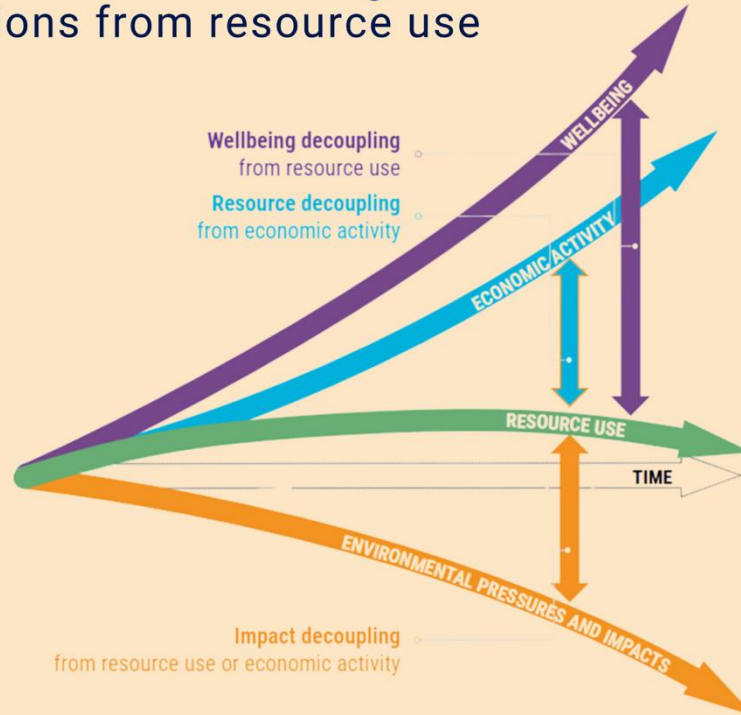
BIO-BASED AND CIRCULAR BUILDINGS FOR HEALTHY, CLEAN CITIES

A Handbook to help cities
reduce embodied carbon
in construction





Healthy, Clean Cities
EU CINCO - EUropean Cities for
climate-Neutral COstruction

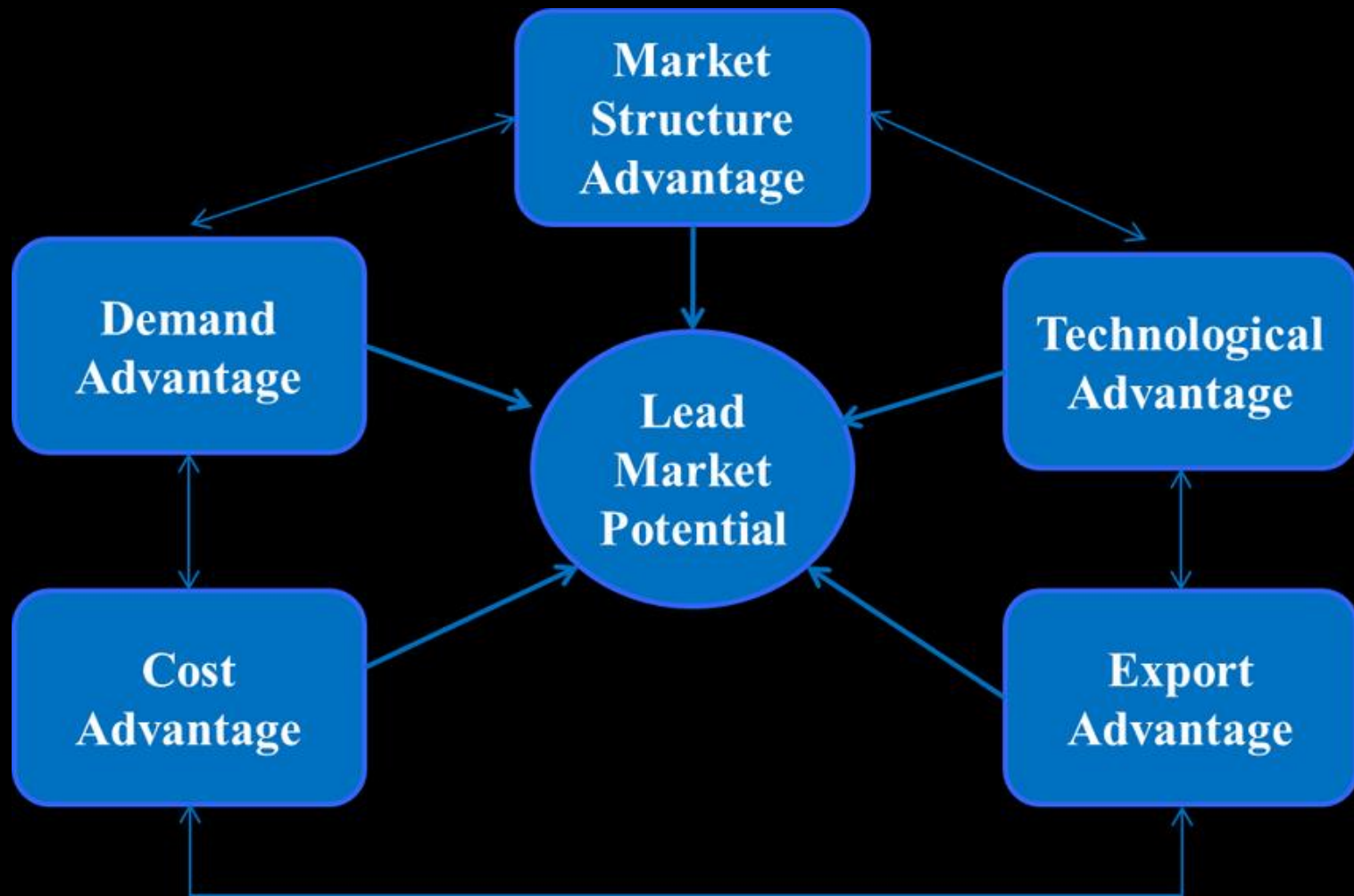
July 2022

Delivering on the SDGs for all requires decoupling, so that the environmental impacts of resource use fall while the well-being contributions from resource use increase



Strategies for reducing resource use across the provisioning systems

Provisioning system	 Food	 Built environment	 Mobility	 Energy
Recommendations	<ul style="list-style-type: none"> • Reducing the demand of the most impactful food commodities • Reducing food loss and food waste • Protecting and restoring productive land while meeting demand for nutrition 	<ul style="list-style-type: none"> • Assuring sustainability of the new building stock • Retrofitting the existing building stock • More intensive use of buildings 	<ul style="list-style-type: none"> • Cities moving towards active mobility and public transportation • Reducing carbon-intensive frequent traveling modalities • Decreasing emissions intensity of transport modalities 	<ul style="list-style-type: none"> • Decarbonizing electricity supply through the scaling up of low-resource renewable energies and increased energy efficiency
Outcomes from policies modelled in Scenarios	<p>Can decrease the land needed for food by 5% compared to 2020 levels while more equitably ensuring adequate nutrition for all</p>	<p>Can decrease building material stocks by 25% by 2060, leading to a 30% decrease in energy demand, and 30% decrease in GHG emissions compared to current trends.</p>	<p>Can reduce related material stock requirements (-50%), energy demands (-50%) and GHG emissions (-60%) by 2060 compared to current trends.</p>	<p>Can drive a sharp decrease in energy demand, with reductions of climate impacts by more than 80 per cent.</p>



BECAUSE FORWARD THINKING BUSINESSES LEAN INTO
EMPLOYEE CONCERNS...

BECAUSE EMPLOYEES HOLD TREMENDOUS POWER...

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The dominant economic model is destabilising societies and the planet.

It is time for change.

[Get involved](#)

[Accueil](#) > [Sufficiency Summit](#)



The **Sufficiency Summit** is an initiative launched in response to the IPCC call for immediate climate action to keep the 1.5°C target alive. The Summit gathers scientists, policymakers, practitioners, industry, and civil society to work together on mainstreaming the concept of "sufficiency".

The 2022 IPCC report on climate mitigation defines sufficiency as "**a set of policy measures and daily practices that avoid the demand for energy, materials, land, water, and other natural resources while providing wellbeing for all within the planetary boundaries**". By 2050, sufficiency has the potential to reduce emissions, compared to current policy scenarios, by more than 50% in almost all sectors. Yet, sufficiency is overlooked in climate policies and scenarios aiming at a 1.5°C temperature target by the end of the century.

**INSCRIPTION
(interne)**

**INSCRIPTION
(externe)**

**À PROPOS DE CET
ÉVÉNEMENT**



Le 04 mai 2023 de
09:00 à 12:00



Amphithéâtre
Simone Veil
28 rue des Saints-
Pères, 75007, Paris



Organisé par
Sciences Po and
University of South
Australia

New European Bauhaus

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beautiful | sustainable | together

The New European Bauhaus is a creative and interdisciplinary initiative that connects the [European Green Deal](#) to our living spaces and experiences.

The New European Bauhaus initiative calls on all of us to imagine and build together a sustainable and inclusive future that is beautiful for our eyes, minds, and souls.

Beautiful are the places, practices, and experiences that are:

- **Enriching**, inspired by art and culture, responding to needs beyond functionality.
- **Sustainable**, in harmony with nature, the environment, and our planet.
- **Inclusive**, encouraging a dialogue across cultures, disciplines, genders and ages.

“If the European Green Deal has a soul, then it is the New European Bauhaus which has led to an explosion of creativity across our Union.”

Ursula Von der Leyen, President of the European Commission

SUCCESS



**WHAT PEOPLE THINK
IT LOOKS LIKE**

SUCCESS



**WHAT IT REALLY
LOOKS LIKE**

SIX MEMOS
FOR THE NEXT MILLENNIUM

- 1 - Lightness
- 2 - Quickness
- 3 - Exactitude
- 4 - Visibility
- 5 - Multiplicity
- 6 - Consistency

Stories to Save the World

Did you know that humans are 22 times more likely to remember a story than any other communication? They weave through our neurology – we are hard-wired to enjoy telling and hearing them. Explore this latest toolkit by Futerra, showing you how to create climate stories that break the mould and define the paths for a new reality.







AMBROSIVS · LAURENTII · DESEMS · HIC PINXIT · VTRINOVE

FLESTI SETHA DITTA LARORE DEBAGORONN HABITAI LIBRO
 ERITTI CLAVITI ABBO PARCITI DE BIA CONDA PUGAS CERO SPER
 LUGALE E CONOPRE ANO COTO BACOROPINA HENRI CLAVI HENRI
 HENRI SPERINE DUBITITALE LICHI CAEROPRIALIS SINTRO
 E QUANTO ANTONIO HENRI PNOHABIT TIBITUSORIE
 INTERALCI QUANTO SIBO E CAGUS HABITA PA OCE CILLA
 HENRI-UTLE HENRISSIMO COTITTO...

LIBERCA

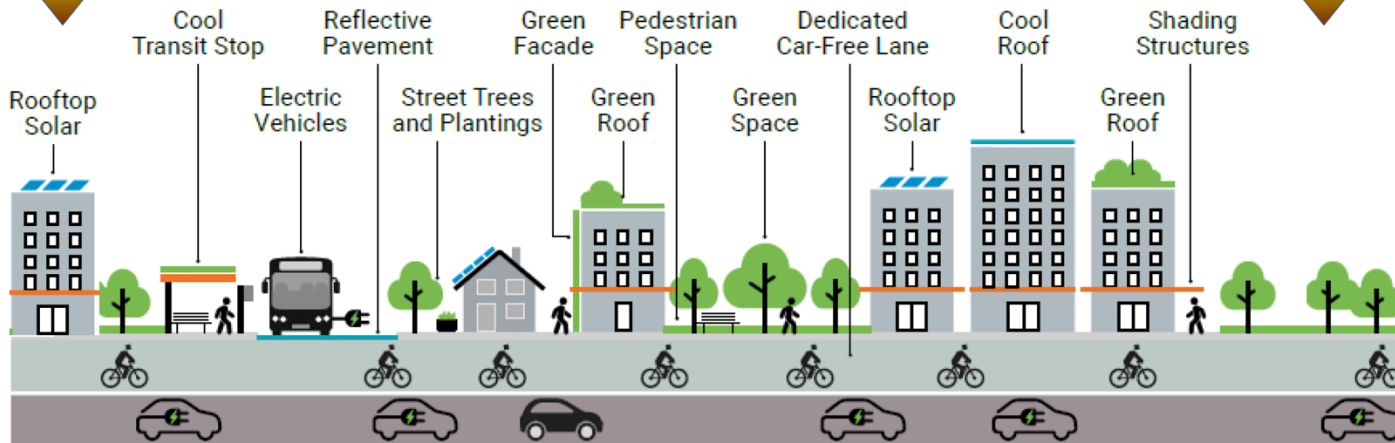


INTRA CIVITATEM SUAVITATEM QVAESTIA NITITUR REPTI. TOLTRA BISTORICIS - ELLA GVBRITV OIPEOE. COLLE OIORH 7 LOR INTRIA 7 INSCOE. ON LA SVO DVOR INSCOE. EL QVIBITV COLOR COPEBAT DEDE. 7 HOLIOMAT TOR OGBITE DEDE.



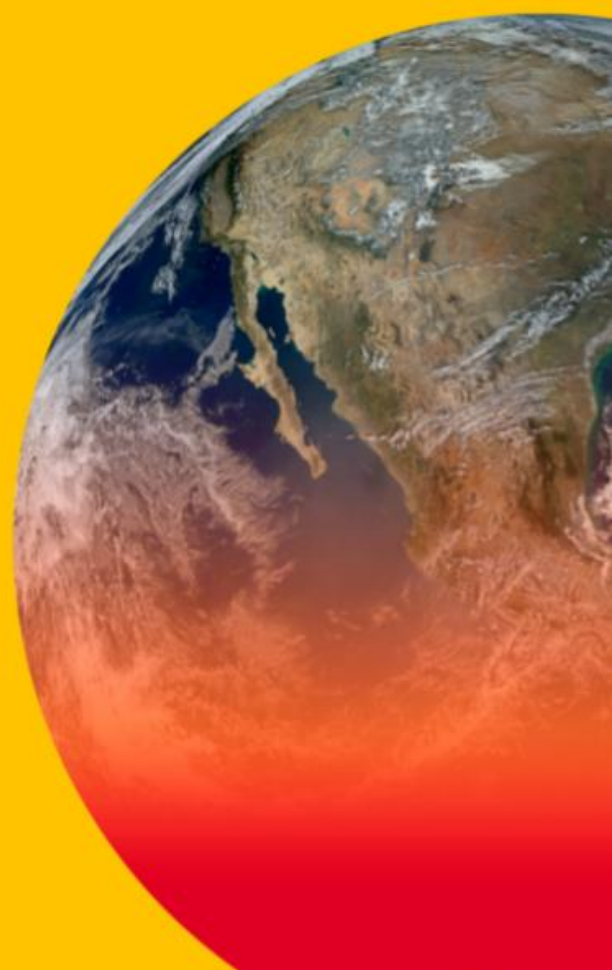


NON ESISTE UNA SOLUZIONE UNICA
serve un approccio trasformativo, integrato e sistemico



RADICAL COLLABORATION TO ACCELERATE CLIMATE ACTION

Working Together with
Speed, Scale, and Justice



RADICAL CLIMATE
COLLABORATION



ReosPartners



RACE TO
RESILIENCE



RACE TO ZERO



COUNTDOWN



LEADER4
QUEST



“ La pace mondiale non può essere salvaguardata senza compiere sforzi creativi, proporzionati ai pericoli che la minacciano. ”

Robert Schuman – The Schuman Declaration – 9 May 1950



climate-kic.org

 [@ClimateKIC](https://twitter.com/ClimateKIC)



EIT Climate-KIC is supported by the
EIT, a body of the European Union