

Landscape and Ecology in a Changing Climate

**Landscape
Institute**
South East



CIEEM

**Member
Networks**

South East England

Landscape & Ecology in a Changing Climate



South East Branch of
The Landscape Institute (LI)
chartered body for the landscape
profession in the UK



Professional membership body representing and
supporting ecologists and environmental
managers in the UK, Ireland and abroad.

Climate Emergency and Biodiversity Crisis: The Facts and Figures

CIEEM Briefing Paper

September 2019



THE CHARTERED INSTITUTE OF ECOLOGY AND ENVIRONMENTAL MANAGEMENT (CIEEM) IS THE PROFESSIONAL BODY FOR ECOLOGISTS AND ENVIRONMENTAL MANAGERS WORKING TO MANAGE AND ENHANCE THE NATURAL ENVIRONMENT IN THE UK AND IRELAND.



Human activities which result in the release of greenhouse gases are estimated to have caused 1°C of global heating above pre-industrial levels¹. As a result, there have already been sea level rises, increased likelihoods of extreme weather events and melting of sea ice and permafrost². This has direct and devastating impacts on society, including land loss³; increased severity and occurrence of wildfires⁴; drought; and difficulties producing food⁵.

Alongside this, there have been unprecedented declines in global biodiversity, with the average abundance of native species in most major land-based habitats falling by at least 20%, mostly since 1900⁶. The quality of habitats which support this biodiversity has also declined, with a 30% reduction in global terrestrial habitat integrity caused by habitat loss, fragmentation and deterioration.

Biodiversity is essential both to humans, through the provision of ecosystem services such as food, fuel, flood prevention and enjoyment; and in its own right as part of the natural world.

The recent *Global Assessment Report on Biodiversity and Ecosystem Services* by the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)⁷ states that the key drivers of biodiversity decline are:

- Changes in land and sea use
- Direct exploitation of organisms
- Climate change
- Pollution
- Invasive alien species

The combined effects of these human activities have put an estimated one million species at risk of extinction⁸, threatening the stability of ecosystems and the services we receive from them. For example, more than 75% of global food crop types



LI Policy Paper | Autumn 2020

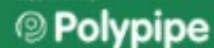
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How investing in better places can support the UK's recovery from Coronavirus while tackling climate change



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Introductions

Debbie Bartlett CMLI FCIEEM will:

- introduce the COOL TOWNS project
- raise some issues for both Landscape Architects/Urban Designers and Ecologists/Environmental Managers



Peter Massini CIEEM will:

- set the policy framework in London
- give some examples of future policy and practice
- describe some tools to inform decision-making

MAYOR OF LONDON



The Climate and Ecological Emergency Bill



The screenshot shows the UK Parliament website interface. At the top, the UK Parliament logo is visible. Below it, the 'Early Day Motions' section is highlighted. A breadcrumb trail reads: 'UK Parliament > Early Day Motions > Climate and Ecological Emergency Bill'. The main heading is 'Climate and Ecological Emergency Bill' in large white text on a green background. Below this, it states 'EDM 832: tabled on 02 September 2020'. Further down, smaller text indicates 'Tabled in the 2019-21 session.' and 'This motion has been signed by 64 Members. It has not yet had any amendments submitted.'

Does your MP
support this Bill?

Calls for:

- the UK to make and enact a serious plan.
- our entire carbon footprint be taken into account
- Consider nature conservation in supply chains, acknowledging damage caused by consumption
- stop using technology as an excuse to carry on polluting as usual
- a citizens' assembly

<https://www.cebill.uk/>



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Committee 2020 - 21

Dr Debbie Bartlett	Member
Laura Cox	Member
Tim Dyer	Branch Treasurer
Alice Harwood	Member
Helen Palmer	Member
Ruth Shelton	Branch Representative
Claire Uden	Branch Secretary
Akash Wadhawan	Branch Chair

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