

# ABOUT

The Lincoln Climate Commission is an independent organisation that brings together from across the public, private and voluntary sectors to help drive, guide and support climate action.

What we do:

- 1) Communicate and promote a clear manifesto for tackling climate change:
  - Rapid transition to clean energy
  - Restoration of nature to increase soak up of carbon emissions
  - Improve energy efficiency and reduce overall demand
  - Transition to regenerative economy to reduce resource consumption, waste and pollution
  - Adaptation to an already changed climate
- 2) Encourage and facilitate community engagement in climate action
- 3) Lobby local and regional government for climate-positive policies and decision making
- 4) Provide a reliable source of information on climate change and climate action in Lincoln and Greater Lincolnshire

## Climate change in Lincoln and Lincolnshire

- Coastal geography, rurality, high poverty and deprivation, poor health makes Lincolnshire one of the most regions most vulnerable in the UK
- Flooding and coastal change risks to communities, businesses and infrastructure
- Risks to health, well-being and productivity from high temperatures
- Risks of shortages in the public water supply, and for agriculture, energy generation and industry, with impacts on freshwater ecology
- Risks to natural capital, including terrestrial, coastal, marine and freshwater ecosystems, soils and biodiversity

## The climate change crisis

- Climate change is accelerating and the actions taken so far have been insufficient and ineffective.
- The 1.5-degree rise in global temperatures has already inflicted massive harm to human health and natural systems from heatwaves, tropical cyclones, floods, droughts, forest fires etc.
- The primary cause of global heating is the continuing use of fossil fuels and dirty energy. Global CO<sub>2</sub> emissions are rising annually, 38 billion tonnes in 2025. CO<sub>2</sub> gas concentration in atmosphere is now 425ppm and is increasing at 2ppm per year ('safe' limit is 350 ppm)
- On the current course we will reach 2 degrees global warming before 2050 and 4 degrees before 2100 – within the lifetime of today's children.
- For the UK 2 degrees warming would mean twice as many people at risk of flooding in some areas, and in southern England, 10 times as many days with a very high risk of wildfires.