

Impact

NERC science supports policy delivery and action that improves the quality of the environment we live in, benefitting human health, the UK economy and our net zero journey

#### **NERC** investment delivers:



**Skilled people** 



Climate and atmosphere models



**Long-term data on pollutants** 



**Environmental monitoring technologies** 



**Knowledge exchange** and collaboration



Infrastructure

Used by: national and local government, businesses, industries, communities, civil society

## Healthy environment, healthy people

# Healthier people due to less exposure to:

- Pollutants: cutting exposure to air pollutants, thereby reducing respiratory and cardiovascular disease
- **Diseases:** combatting environmental drivers of wildlife born-diseases, antibiotic resistant infections and food pathogens
- Climate extremes: mitigating and adapting to extreme weather reduces climate change-induced nutrition, heat and disease stressors

### Healthier economy due to:

- **Cost savings** e.g. £billions by avoided air pollution health impacts
- **Business growth** e.g. £53.2 million in revenue for UK air quality sensor firm
- Increased productivity e.g. improved pollen forecasting tackles the 29 million working days lost annually to hay fever
- Protected industries & jobs e.g. £20m-a-year UK shellfish industry

#### Healthy numbers

#### 4 million

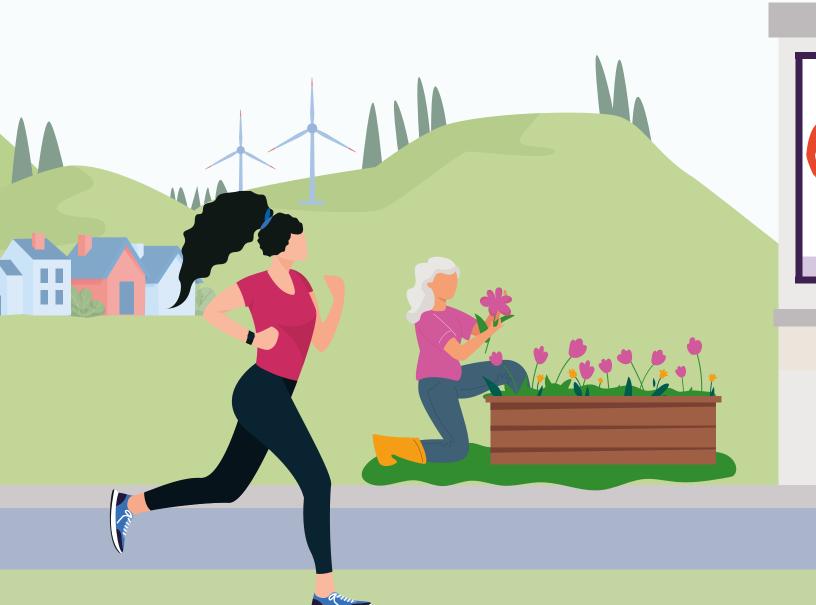
people are breathing cleaner air in London

#### 96% decrease

in antimicrobial use in beef cattle, to combat AMR

#### 2 million

cases of skin cancer prevented by 2030 thanks to ozone recovery







Learn more