

Did you know?



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Strategic Environment Cabinet Committee
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Climate change – big picture



- **The world has been getting hotter**
- World Meteorological Organization (WMO) - 20 warmest years on record have been in the past 22 years, with 2015-2018 making up the top four.
- **China and the US emit the most greenhouse gases - 40% of the global total**
- While governments need to make big changes, individuals can play a role too.

Climate Change – individual actions



Intergovernmental Panel on Climate Change (IPCC) says we need to:

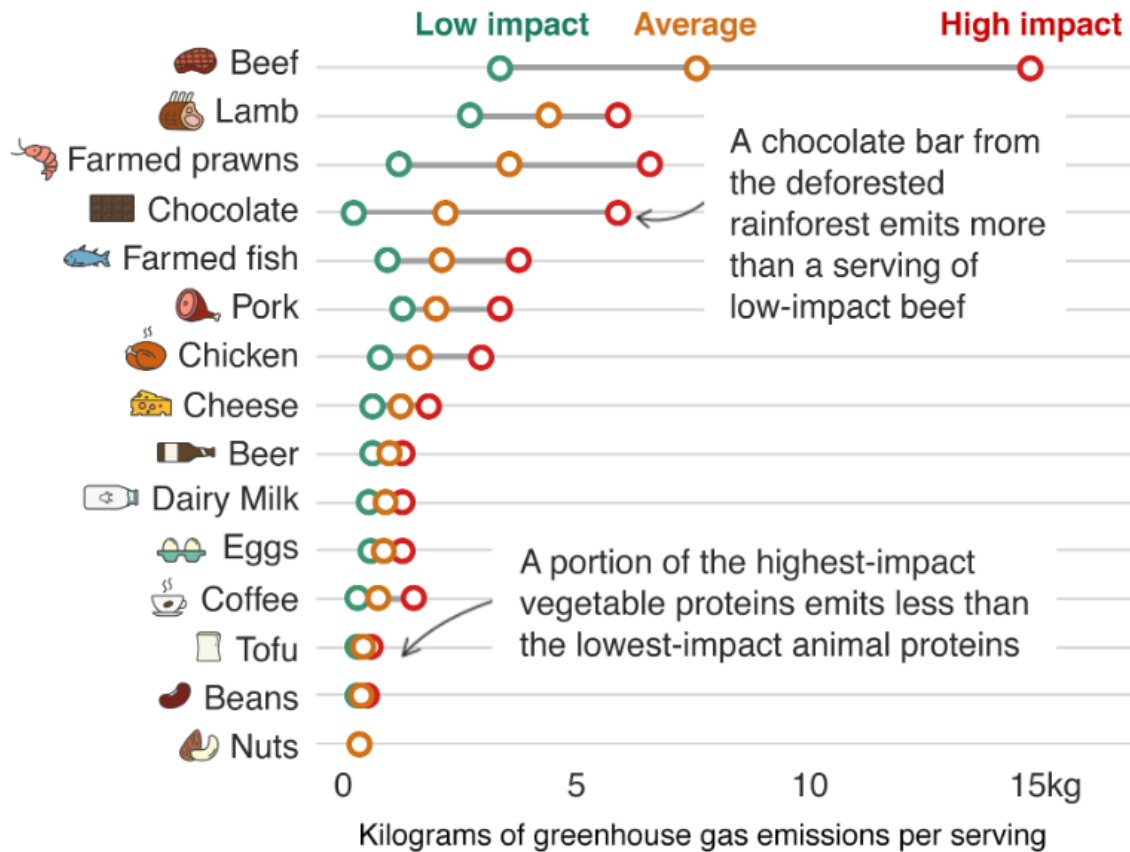
- buy less meat, milk, cheese and butter;
- eat more locally sourced seasonal food - and throw less of it away;
- drive electric cars but walk or cycle short distances;
- take trains and buses instead of planes;
- use videoconferencing instead of business travel;
- use a washing line instead of a tumble dryer;
- insulate homes;
- demand low carbon in every product.

Carbon Footprint



Beef has the biggest carbon footprint - but the same food can have a range of impacts

Kilograms of greenhouse gas emissions per serving



State of the environment (1)



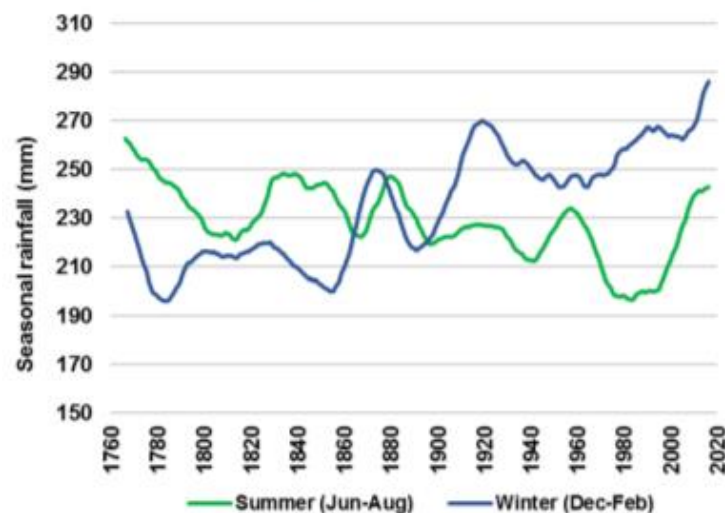
- Environment Agency - state of soil, air quality, water resources and water quality in England.
- England only produces about 55% of the food it consumes
- Soil degradation is an international issue - high levels of food consumption in wealthy countries = major driver of soil degradation overseas
- Debates about air quality rightly focus on public health but not ignore negative impacts on the environment
- Significant reductions in some pollutants in recent decades.
- Need to address roadside pollutant levels from traffic
- Worsening picture for some substances, i.e. ammonia (88% from agriculture).

State of the environment (2)



- Average annual rainfall in England has not changed since records began – seasonality
- Water resources in England - increasingly affected by population growth pressures and climate change including future energy strategies
- Population growth, climate change, emerging chemicals, plastic pollution, nano-particles and fracking all present potential future threats to water quality

Seasonal rainfall in England and Wales, 1766 to 2016



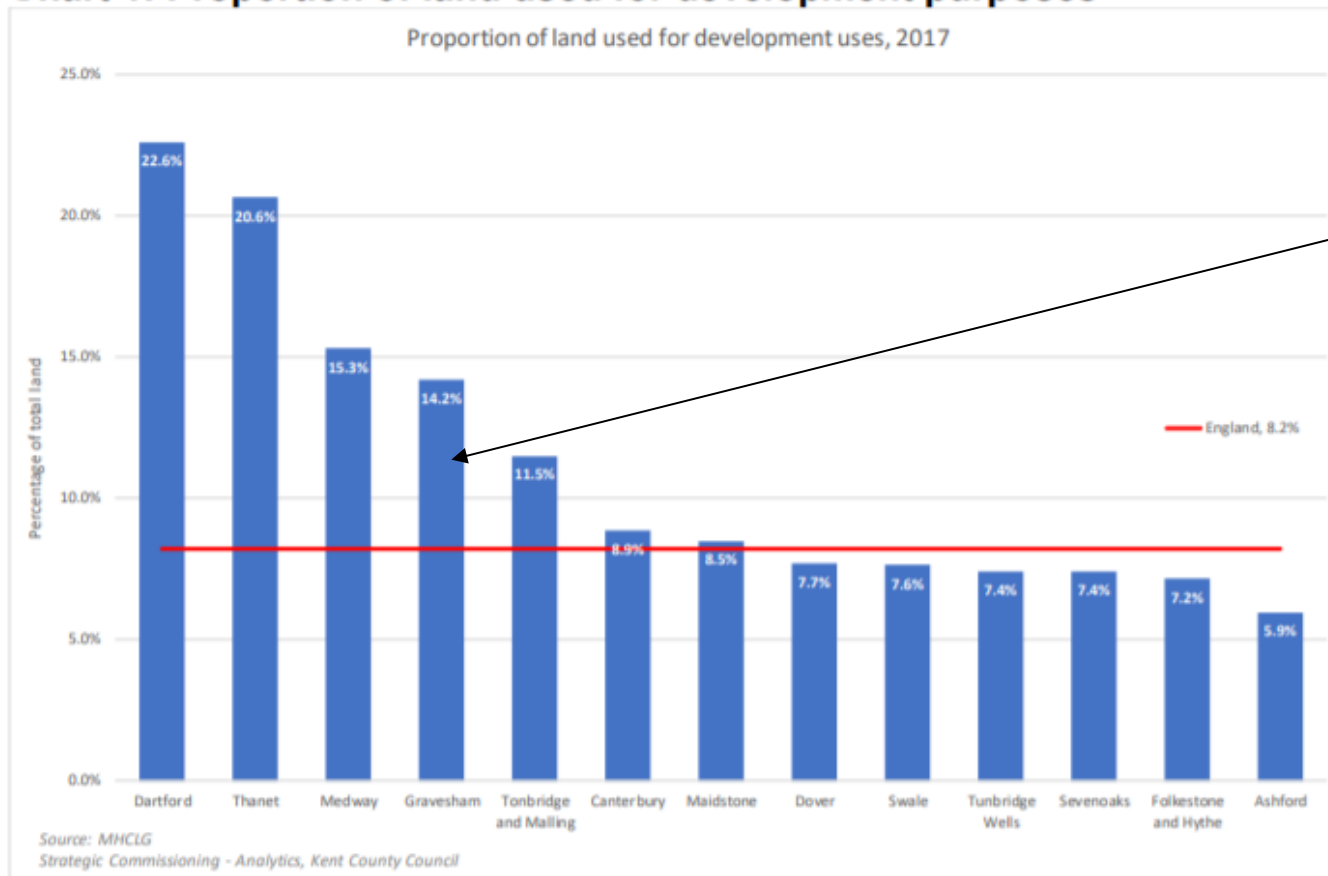
Data source: Kendon, M., McCarthy, M., Sevrejeva, J., and Legg, T. (2016) State of the UK Climate 2016. Met Office, Exeter.

Experimental Land use statistics



- English average is 8.2% with over half of 'developed land' categorised as transport and utilities

Chart 1: Proportion of land used for development purposes



Gravesham

14.2% with:

- 6.6% transport and utilities
- 2.9% unknown
- 2.3% residential
- 1.9% community service

LUS – Green Belt 2017



	England Green Belt Average	Gravesham
	13% of total area	77% of total area
Developed	7%	6%
Includes:		
Transport and utilities	4.00%	4.31%
Unknown	1.48%	0.89%
Residential	0.29%	0.21%
Community service	0.76%	0.87%
Non-developed use	93%	94%
Includes:		
Agriculture	63.66%	62.31%
Forest, open land & water	20.15%	18.70%
Outdoor recreation	5.23%	7.47%

Facts and figures about Kent



Kent County Council



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Information about the diversity of people in Kent.

[Public health](#)

The Kent Public Health Observatory provides public health data about Kent for professionals to use.

[Housing statistics](#)

Information about housing stock within Kent.

[Population and census](#)

Information about population levels.

[Environmental policies](#)

Our environmental strategies, policies, and targets.

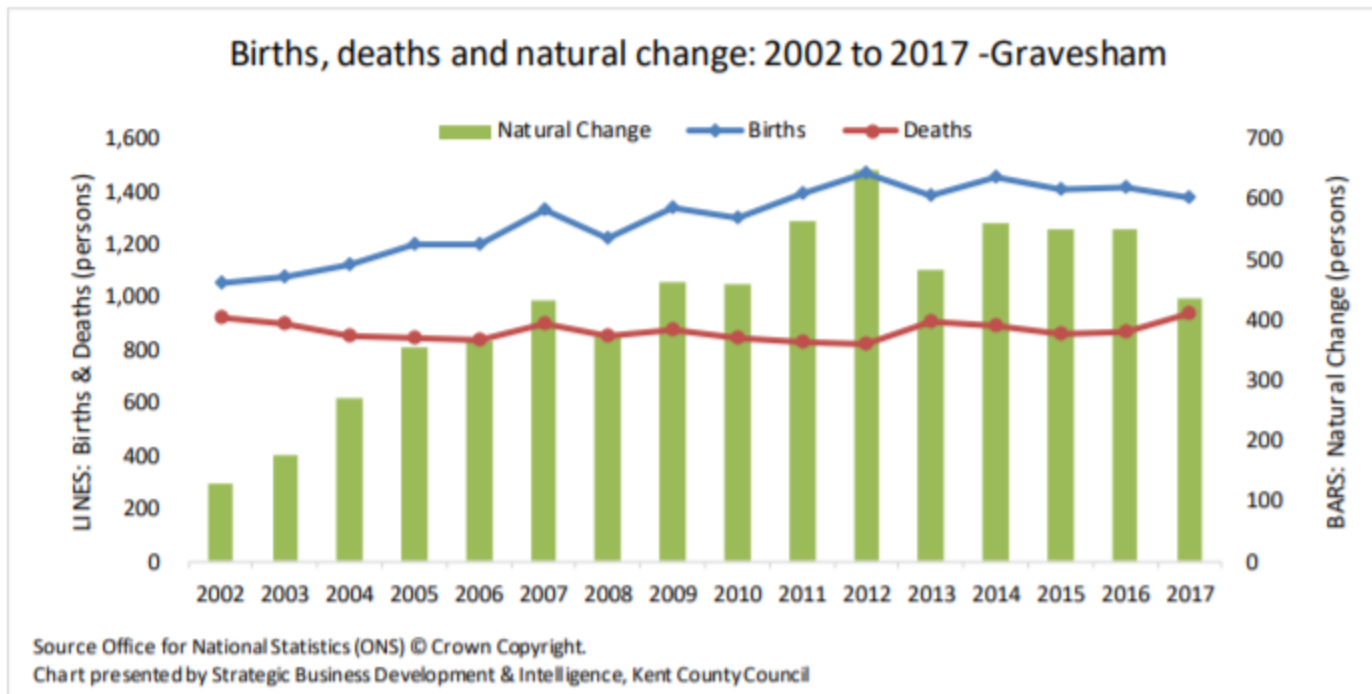
[Crash and casualty data](#)

Find out how many collisions and casualties there have been on Kent roads.

MYE - Population change



- Mid year estimates (MYE) – published annually in June
- Population change is due to two reasons:
 - Natural change - births and deaths (+434 in 2017)
 - Migration



Migration indicators in Kent 2017



- No single data set that provides the complete picture of migrants and migration flows
- 2017 mid-year estimates
 - Gravesham was only local authority within Kent where natural change increase (500) was cancelled out by net negative migration (-600 people)
 - 5,500 people moving in and 6,100 people moving out of the area
 - -900 internal + -300 international = -600
 - Resulted in a decrease -100 people.

Any questions?

