# Local Leadership on Climate Action

Climate and Biodiversity Workshop
Wood Quay, 4<sup>th</sup> December 2019
Dr Tara Shine





### Flooding

## Two reported dead as Venice flooded by highest tide in 50 years

High waters peaked at 1.87 metres as the flood alarm sounded across the Italian city of canals

In pictures: flooding in Venice

#### Angela Giuffrida and Jon Henley

Wed 13 Nov 2019 11.55 GMT







14,092

13 November 2019 85% Venice flooded



▲ Venice is flooded by the highest tides since 1960s - video

The mayor of Venice is poised to declare a state of emergency after the city was hit by the highest tide in more than 50 years, with another surge expected to cause further widespread flooding and destruction on Wednesday.

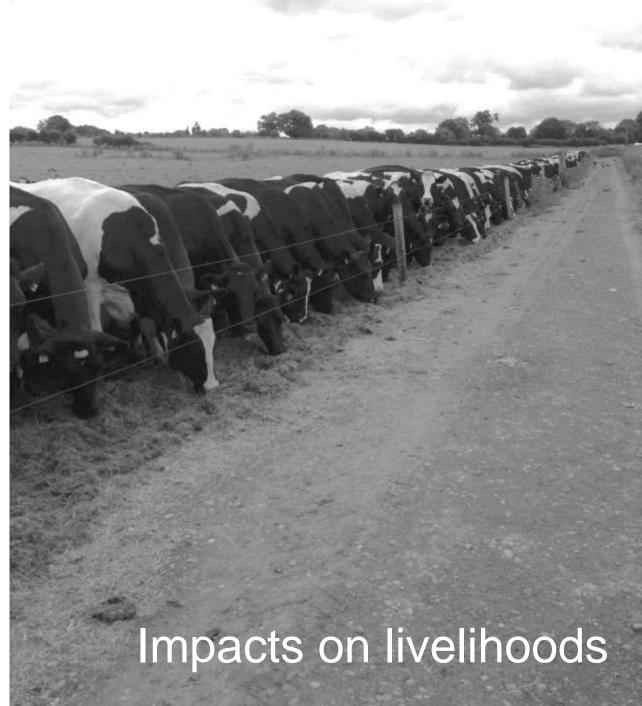


### England flooding: Fishlake residents 'could be homeless for weeks'

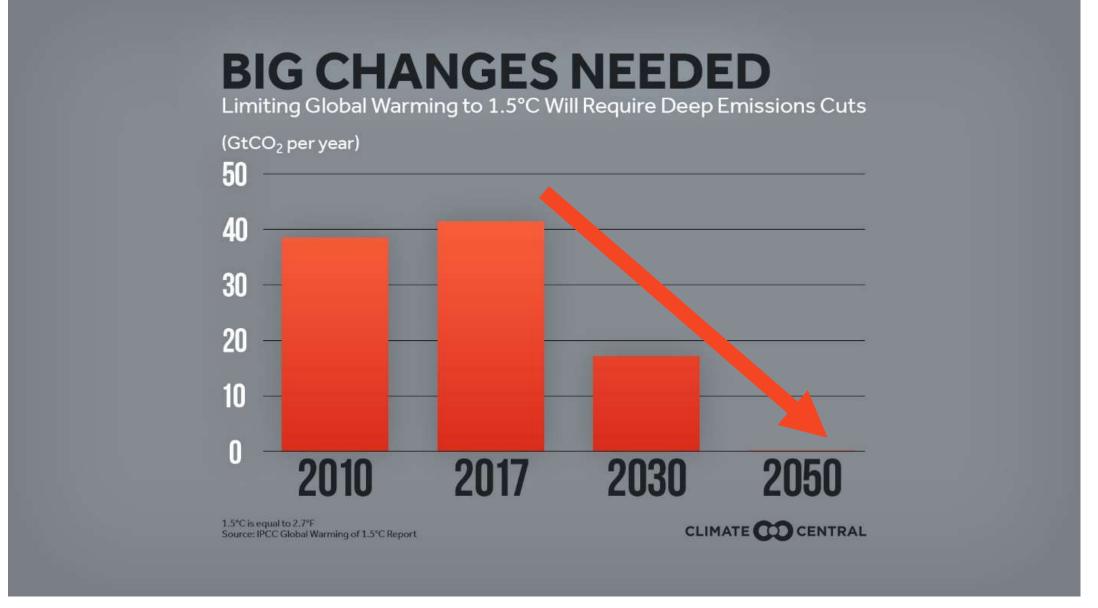


# Trump impeachment: Public hearings begin () 2 hours ago Venice mayor blames record flood on climate change () 2 hours ago Cla 13 November 2019 >1,000 properties evacuated









We are already seeing the consequences of 1°C of global warming – 1.5°C is significantly more safe than 2°C IPCC Special Report on Global Warming of 1.5°C

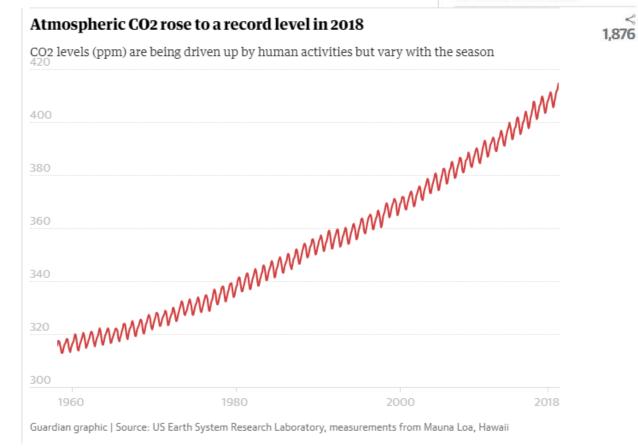
Change by Degree

### Greenhouse gas emissions

The Guardian, 25<sup>th</sup> November 2019

#### **Damian Carrington** Environment editor

Mon 25 Nov 2019 10.00 GMT



## Climate-heating greenhouse gases hit new high, UN reports

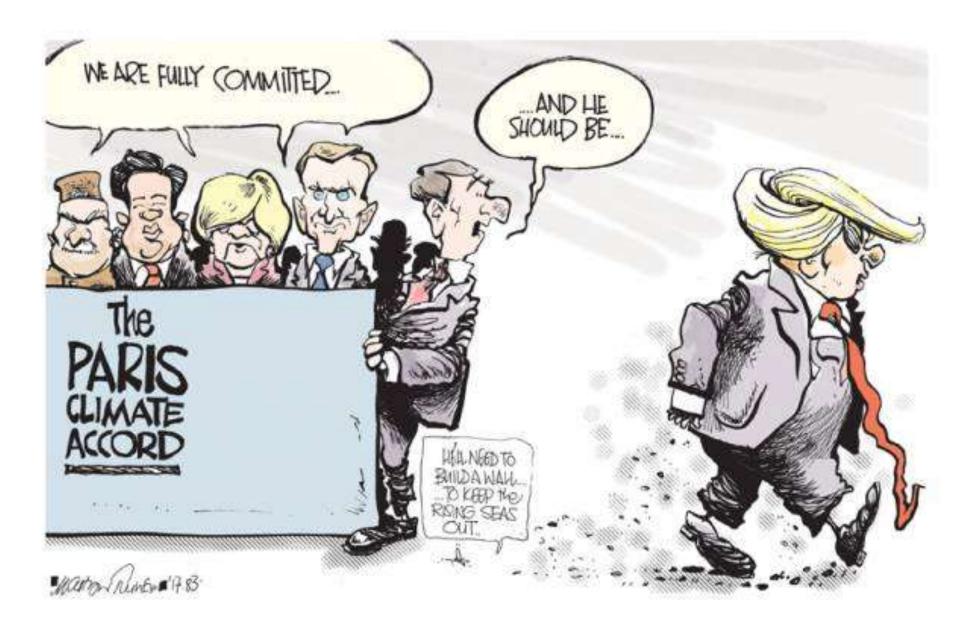
Head of World Meteorological Organization says 'no sign of a slowdown, let alone a decline'



▲ The greenhouse gas nitrous oxide is caused by forest fires and heavy fertiliser use. Photograph: Sam Mooy/Getty

The concentration of climate-heating greenhouse gases has hit a record high, according to a report from the UN's World Meteorological Organization.

The jumps in the key gases measured in 2018 were all above the average for the last decade, showing action on the climate emergency to date is having no effect in the atmosphere. The WMO said the gap between targets and reality were both "glaring and growing".





# Planning and leading local action on climate



### 1. Collaborative leadership

Common purpose

Open communication

Partnership skills

Good is good enough



Ask for help



## 2. Message & messenger

A social sustainability message can cushion an environmental one...











Values & inspiration



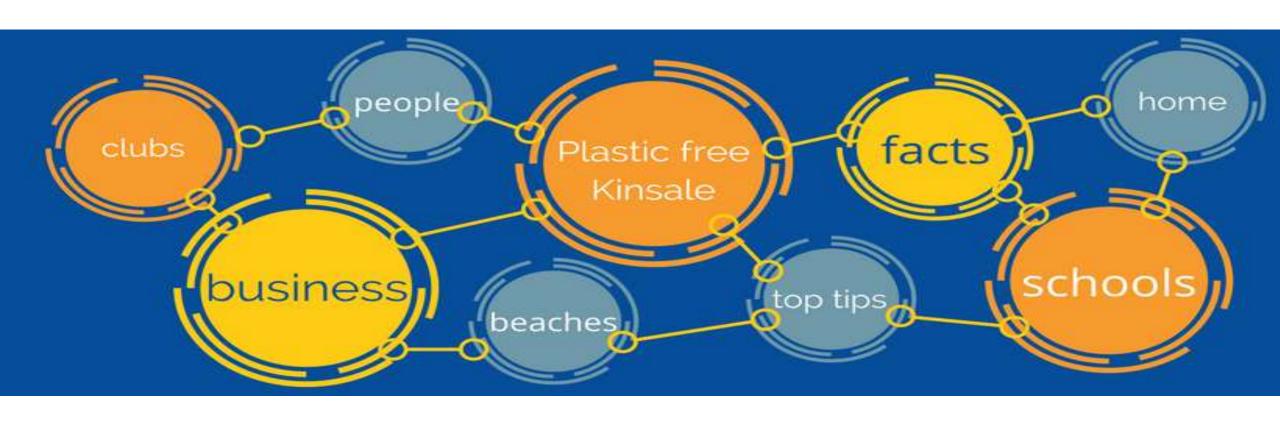




# 3. Behaviour change



### 4. New models of partnership





## What you do matters



















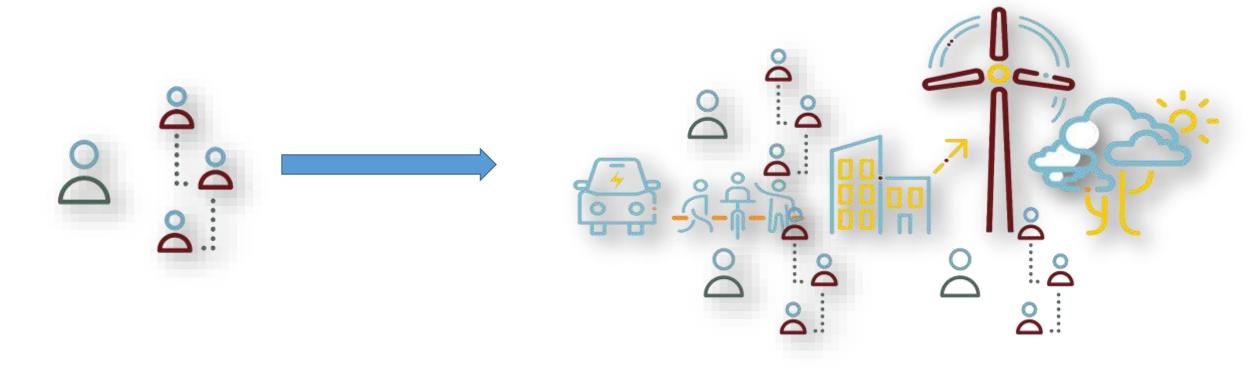








# Individual & community action powers systemic change









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