

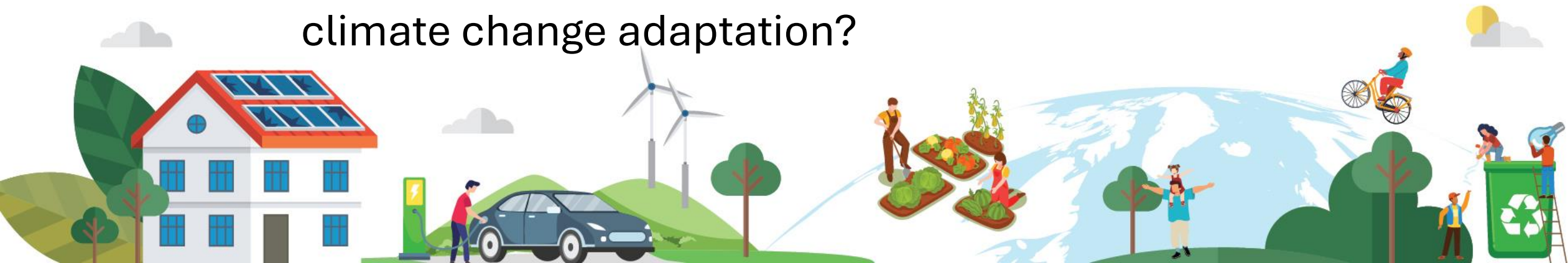
Climate Change Adaptation

How Can Climate Change Adaptation be Delivered at a Local Level?



Structure

- 1) Why do we need to adapt to climate change?
- 2) What will the impacts of climate change be in South Warwickshire?
- 3) How can we deliver climate adaptation at a local level?
- 4) How can the LCE programme help the delivery of climate change adaptation?



Adaptation in Warwickshire

Matt Whitehead, Climate Change and Sustainability Lead,
Warwickshire County Council

Becky Davies, Climate Change Adaptation Officer,
Warwick District Council

Preparing for climate change: data on global average surface temperatures and precipitation - what we can expect in Warwickshire as a result.

- summer and winter scenarios
- implications for extreme weather events
- potential impacts on residents, businesses, infrastructure, emergency services and the environment.



1) Why do we Need to Adapt to Climate Change?

- Greenhouse gas emissions at highest levels since industrial revolution
- Met Office data shows a global temperature increase of 1.2°C since the 1850s.
- The Intergovernmental Panel on Climate Change predicts that overall temperature increase is likely to lie in the range of 2°C and 4.5°C .



1) Why do we Need to Adapt to Climate Change?

Even if all greenhouse gas emissions stopped tomorrow, the amount that is already in the atmosphere would continue to drive climate change for the next 30 years.

The impacts of climate change will continue to worsen.



1) Why do we Need to Adapt to Climate Change?

Reducing the impacts
of climate change
is known as climate
change adaptation.



Sustainable planting at entrance to Jephson Gardens in Leamington Spa, including 'tree pole' for solitary insect species.



2) What Will the Impacts of Climate Change be in South Warwickshire?

Warmer, wetter winters.

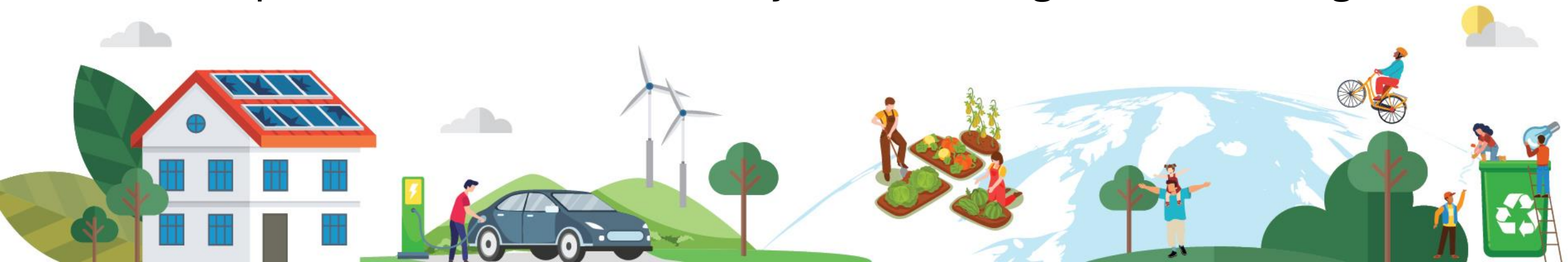
Hotter, drier summers.

Increasing frequency and intensity of extreme weather events.



2) What Will the Impacts of Climate Change be in South Warwickshire?

- Damage to infrastructure through flooding.
- Health and wellbeing impacts of excess heat.
- Disruption to habitats and ecosystems through storm damage.



2) What Will the Impacts of Climate Change be in South Warwickshire?

Our most vulnerable residents will be impacted most severely.



3) How Can we Respond at a Local Level?

- Planting trees on green spaces to reduce floodwater run off.
- Providing shade canopies in the public realm.
- Providing community cool spaces.



3) How Can we Respond at a Local Level?



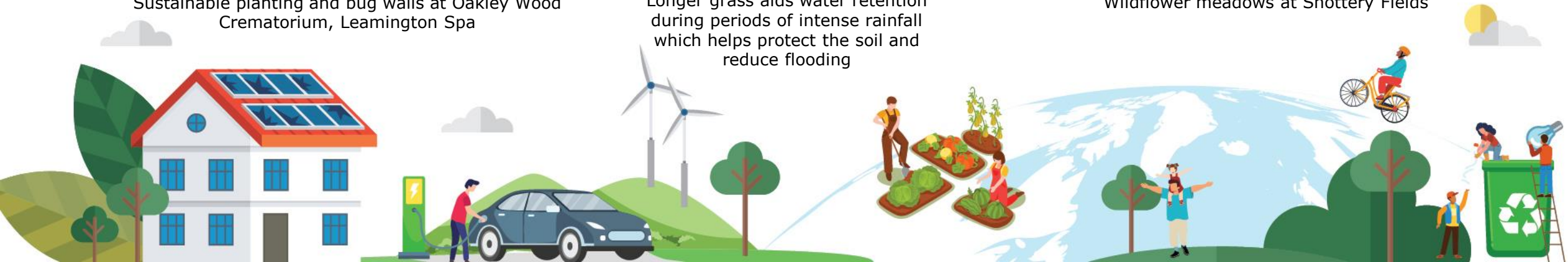
Sustainable planting and bug walls at Oakley Wood Crematorium, Leamington Spa



Longer grass aids water retention during periods of intense rainfall which helps protect the soil and reduce flooding



Wildflower meadows at Shottery Fields



4) How Can the LCE Programme Help the Delivery of Climate Change Adaptation?

Stratford-on-Avon District Council:

- Wilder Communities
- Community Climate and Nature Fund
- Free Trees for T/P Cs
- Free Trees for Farmers

Warwick District Council:

- Wilder Communities
- Free Trees for Farmers



Great Alne Parish Council Case Study



Great Alne Parish Council Q & A



Expert Panel

Rianveer Mahal - Warwickshire County Council Flood Risk Management

Gina Rowe - Warwickshire Wildlife Trust

Great Alne Parish Council

- Kyla Brown, Executive Officer
- Councillor Ian Taylor
- Roger Bennett



Expert Panel

How to deliver projects in the community
and with the community



LCEP Conservations

Help shape the future of the Programme
1.00 – 3.00 pm
Main Council Chamber

