

The Zero Carbon Futures expert symposium

Some implications for the Local Plan



- 57 expert participants
- 51% Council Officers and Councillors

Questions?

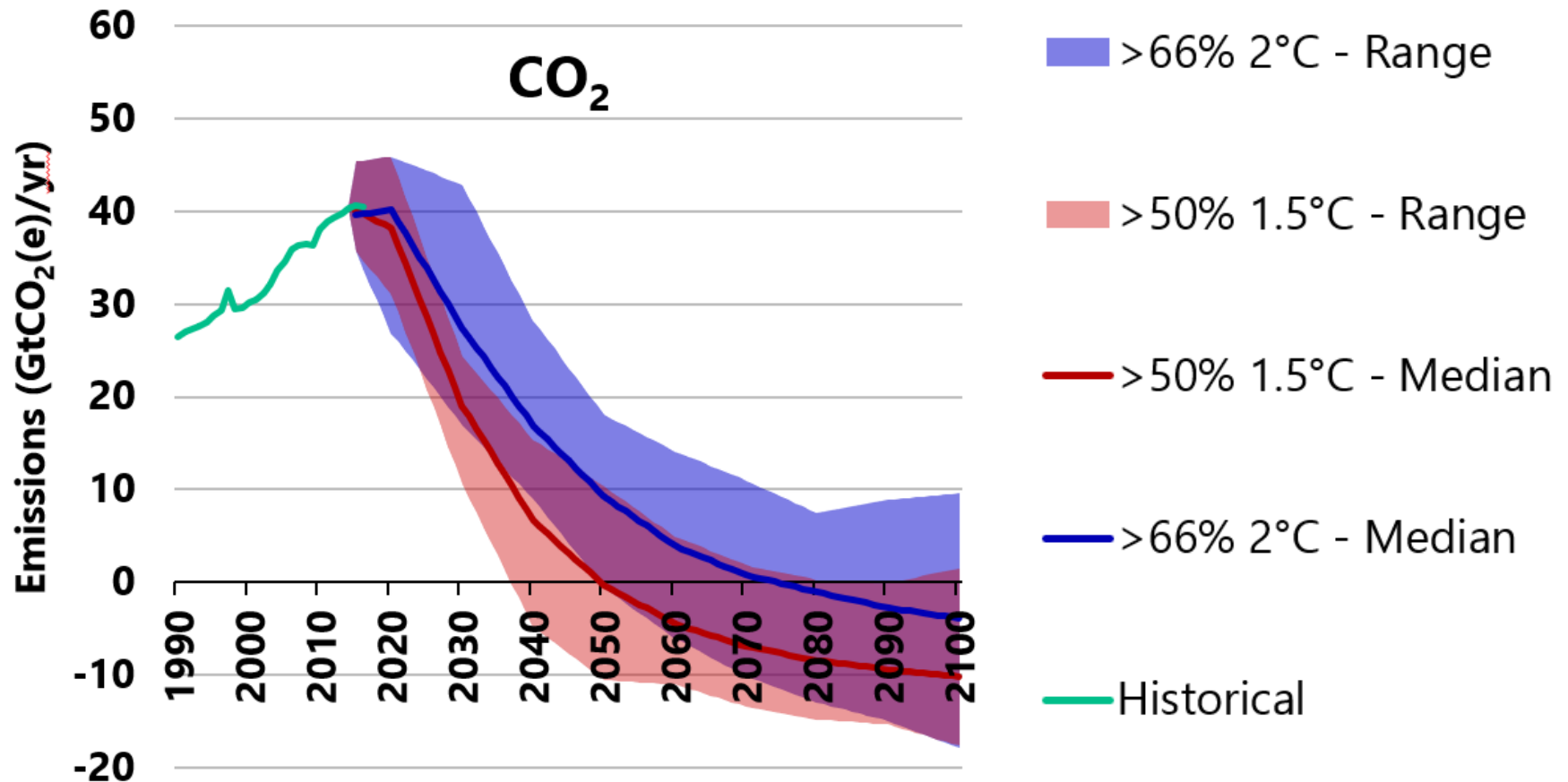


See our website

<https://carbonneutralcambridge.org/events/zero-carbon-futures/>

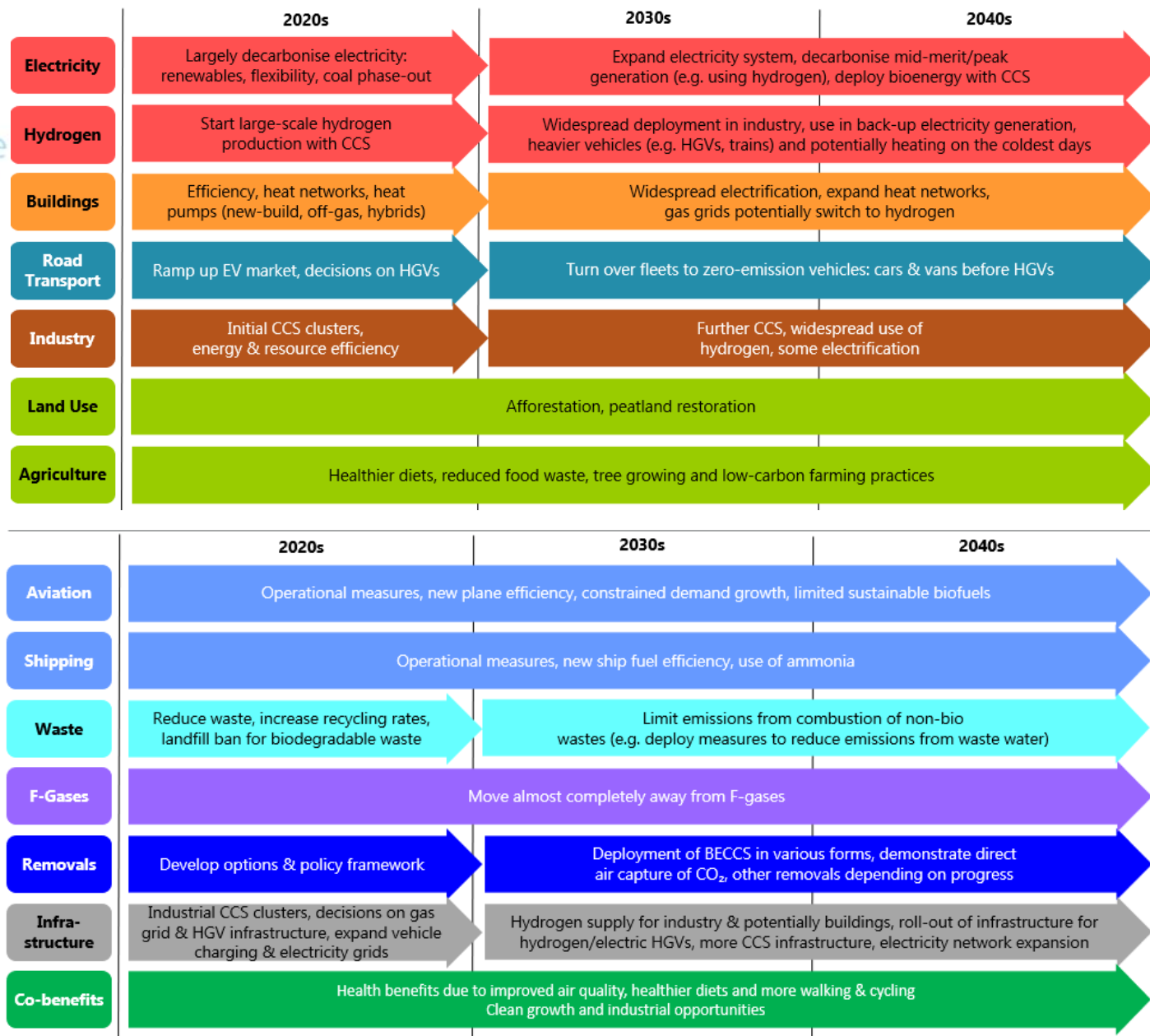
for all ZCF presentations, and our report (due for publication Aug '19)

“Start now and tackle everything”



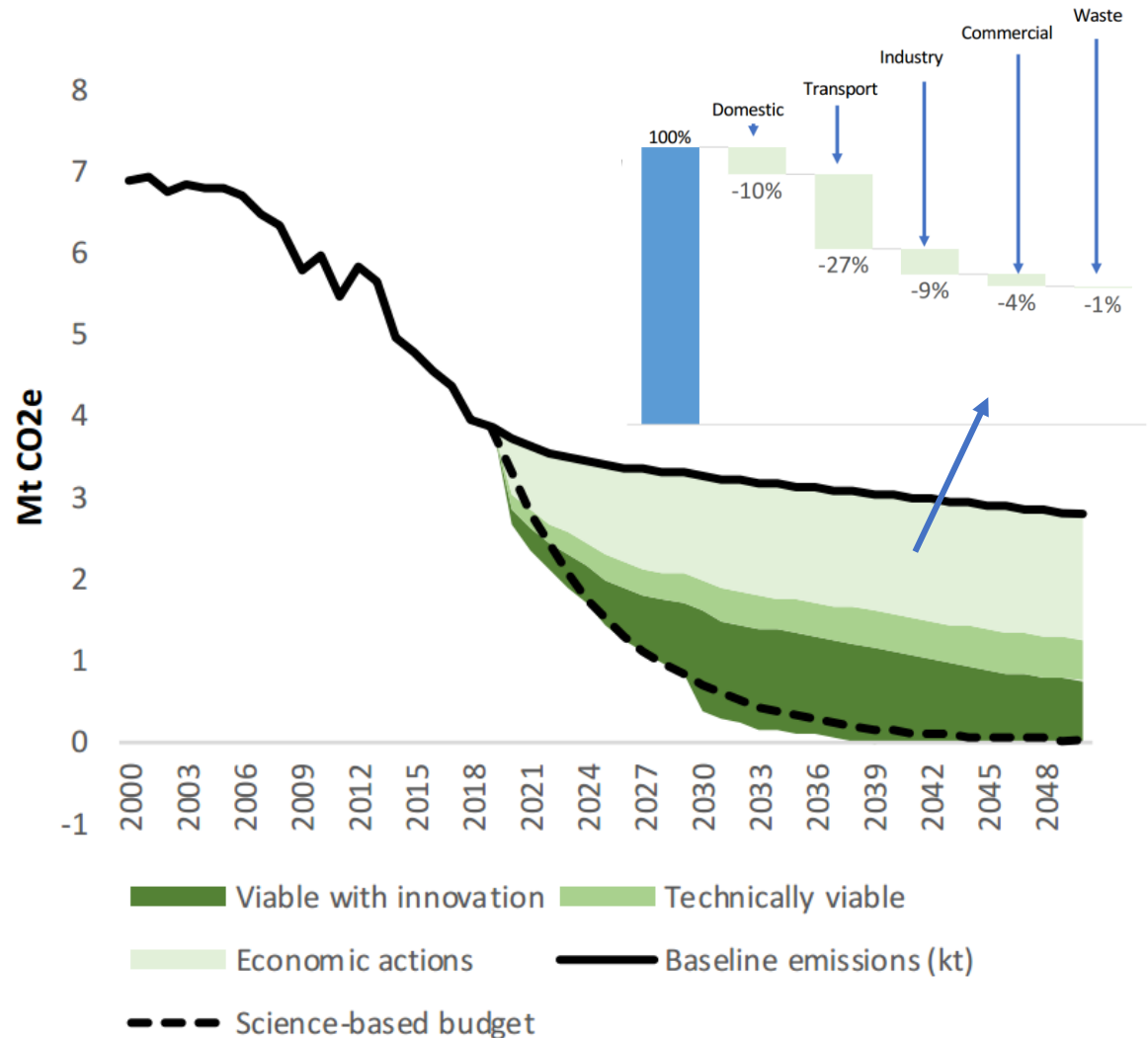
And global equity demands that we do more than this...

*“Start now
and tackle
everything”*



Establish a Climate Commission to help you

Create a well resourced climate commission to develop a local “roadmap”, advise on priorities, track progress & involve everyone.



Leeds climate commission's road map to net zero

We can transform our energy systems for free



Renewable Heat to Rural Communities

- Targeting areas on stored fuel
- Sustainable alternative to natural gas
- Centralised Ground Source Heat Pump
- No extra cost to end-customers
- Long-term revenue stream to Council

Swaffham Prior selected for demonstrator project



“Modern Methods of Construction” allow virtually zero carbon homes at low or no extra cost.

Construction of each home:

- Timber : - 20 T Co₂
- Concrete & steel : + 20T Co₂



Local leadership: Energy and carbon

i.e. "current
building
regs"



Brighton and Hove	19% reduction on Part L 2013
Cambridge	44% reduction on Part L 2006 (19% reduction on 2013)
London (Emerging)	35% reduction on Part L 2013 10% from energy efficiency for <u>resi</u> 15% from energy efficiency for non- <u>resi</u>
Oxford (Emerging)	19% reduction on Part L 2013 (adopted) 40% reduction on Part L 2013 (emerging) 50% reduction from 2026 'Zero Carbon' from 2030
Reading (Emerging)	19% reduction on Part L 2013 Major developments 'zero carbon' including 35% reduction on Part L 2013 <i>pay to offset remainder</i>

Recommended for Greater Cambridge Local Plan

Councils have a legal duty for Local Plans to be “in line” with the requirements of the Climate Act

- If they're not, they can (and soon will) be legally challenged



James Thornton and Alan Andrews of Client Earth

Some key recommendations

Ensure Local Plan “in line” with Climate Act (ie Net Zero by 2050) to avoid risk of legal challenge.

- Establish a local Climate Commission to help you
- Follow London and Reading in setting a “Net Zero Carbon” Standard for all Major Residential Developments: ie 35% better than building regs, plus all remaining emissions offset by paying into a local Carbon Offset Fund.
- Encourage use of timber in buildings, modern methods of construction, and low carbon standards such as PassivHaus and build a network of experienced local suppliers

Stand up to developers on “Financial Viability” and performance

- With care, very low carbon homes can be built for low or no extra cost.
- Set a clear policy direction, and land prices will adjust to compensate
- Get creative: find ways to tackle the average 40% performance gap on new homes

Lobby government for:

- Restoration of planning powers to allow faster local decarbonisation
- Stronger Building Regulations part L (consultation in Autumn 2019)

Full report due August <https://carbonneutralcambridge.org/events/zero-carbon-futures/>